Discussion Paper No. 12-066

Employment Effects of Regional Climate Policy: The Case of Renewable Energy Promotion by Feed-In Tariffs

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ZEW

Zentrum für Europäische Wirtschaftsforschung GmbH

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This paper examines the local impacts of renewable energy carrier promotion by the German feed-in tariffs scheme "Erneuerbare-Energien-Gesetz" for the German State of Baden-Wuerttemberg by using an input-output approach. The local impacts are of particular interest as in Baden-Wuerttemberg the manufacturing industries are highly important compared to the rest of Germany. We analyze the effects of the policy actions on the production as well as the employment of several sectors. We construct a regional input-output table of Baden-Wuerttemberg and introduce the construction and the operation of installations for seven renewable energy types in order to examine different paths to achieve the state government's targets.

We consider two scenarios with different sources funding the investments in the construction and operation of renewable energy installations. In the first scenario, all the necessary investments are funded completely by internal sources. Hence, the scenario is driven by the assumption that these investments either crowd out investments in other industries of the regional economy or the investments are paid by the government, i.e. by taxes which are borne by all other industries and by the households. Therefore, the final demand of all other sectors decreases. In this scenario, we have a slightly positive total turnover effect, although in many sectors the turnover effect is negative. In addition, the total employment effect is negative since the more labour-intensive industries are affected more heavily from the policy than the less labour-intensive industries. The second scenario considers the case of a partly external funding by taking into account that the installations may be demanded from "abroad", i.e. the rest of Germany and the rest of the world. Therefore, investments in other industries are not completely crowded out in this scenario. We find positive production and employment effects also for most industries besides the energy sector.

Our findings suggest that policy actions promoting renewable energy types do not necessarily create new jobs and additional turnover for the whole economy. They rather induce a structural change of the economy since other investments might be crowded out by investments in installations of renewable energy and the demand in other sectors might decrease. However, if the producers of the installations are able to export parts of their products to the rest of Germany and the rest of the world, these crowding out effects can be attenuated and turnover and employment effects might be positive in total. In diesem Arbeitspapier werden die Auswirkungen der Förderung erneuerbarer Energien unter dem Erneuerbare-Energien-Gesetz (EEG) auf lokaler Ebene für Baden-Württemberg untersucht. Da Baden-Württemberg zu den deutschen Bundesländern mit der höchsten wirtschaftlichen Leistung zählt, sind die Auswirkungen der Förderung erneuerbarer Energien von besonderem Interesse. Dieses Arbeitspapier untersucht anhand einer Input-Output-Analyse die Auswirkungen dieses Ziels auf regionaler Ebene. Zu diesem Zweck wird eine regionalisierte Input-Output-Tabelle des Landes erstellt, in die zusätzlich die Erstellung und der Betrieb von Anlagen für sieben Arten erneuerbarer Energien eingeführt werden.

Bei der Analyse liegt das Augenmerk insbesondere auf der Abschätzung der Entwicklung von Produktion und Beschäftigung. Dabei wurden im Wesentlichen zwei Szenarien unterstellt. In einem ersten Szenario müssen die Investitionen in Erneuerbare vollständig heimisch erbracht werden (insb. kein Export). Dies führt dazu, dass die Ausgaben und Investitionen von anderen Wirtschaftsbereichen in den Bereich der Erneuerbaren umgelenkt werden. In Folge dessen kommt es in zahlreichen Bereichen zu einer Verminderung der Produktion und insgesamt zum Verlust von Arbeitsplätzen. In einem zweiten Szenario wird angenommen, dass die Nachfrage nach erneuerbaren Energien von außen kommt, z.B. durch Export von Anlagen aus Baden-Württemberg in andere Länder oder Bundesländer. Dadurch müssen die lokalen Investitionen in anderen Wirtschaftsbereichen weniger stark vermindert werden, und es kommt zu positiven Effekten bei der Produktion und der Beschäftigung in Baden-Württemberg für fast alle Wirtschaftsbereiche.

Die Ergebnisse deuten darauf hin, dass die Förderung erneuerbarer Energien nicht automatisch zu zusätzlicher Produktion und neuen Arbeitsplätzen führt. Vielmehr wird ein struktureller Wandel herbeigeführt, der zu einem Rückgang der Nachfrage nach Gütern in vielen Wirtschaftsbereichen führen kann und dort folglich negativ auf Produktion und Beschäftigung wirkt. Positive Effekte für Produktion und Beschäftigung ergeben sich insbesondere dann, wenn es zu einem Export von Anlagen kommt, wodurch dem Land zusätzliche Mittel zufließen und ein Rückgang der Nachfrage in anderen Wirtschaftssektoren gemildert wird.

Employment Effects of Regional Climate Policy: The Case of Renewable Energy Promotion by Feed-In Tariffs

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Version of September 2012

Abstract: For the case of the German state of Baden-Wuerttemberg, production and employment effects of the promotion of renewable energy sources are examined based on a regionalized input-output table. Our findings suggest that policy actions promoting renewable energy types do not necessarily create new jobs and additional turnover for the whole economy. They rather induce a structural change of the economy since other investments might be crowded out by investments in installations of renewable energy and the demand in other sectors might decrease. However, if the producers of the installations are able to export parts of their products to the rest of Germany and/or the rest of the world, these crowding out effects can be attenuated and turnover and employment effects might be positive for the state in total.

Keywords: Renewable energy; Employment effects; Input output **JEL-Classification:** C67; Q42; R11

1. Introduction

Many climate policies in Europe and elsewhere aim at supporting renewable energy sources, for instance by subsidizing these energy carriers through feed-in tariffs. Besides the potential to reduce greenhouse gases (GHG), some argue that such subsidies create new jobs and stimulate economic growth by generating a long-run advantage in technology. However, depending on the source of funding these investments, it is also possible that they crowd out investments or decrease demand in other sectors. Thus, the question arises which of these effects dominate. Under German law ("Erneuerbare-Energien-Gesetz"), renewable energy sources are subsidized by guaranteed feed-in tariffs for renewable energy sources, such as photovoltaic and wind power.

The paper envisages a regionally disaggregated coverage at the level of the German state of Baden-Wuerttemberg to evaluate the impact of renewable energy promotion on the state-level by examining the consequences of renewable energy promotion on regional production and employment. We chose an input-output (IO) approach to assess these impacts. Presently there is no updated regional table for the state and the latest version was created in 1990. Therefore, we create a regional input-output table for the

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state of Baden-Wuerttemberg by regionalizing the German I-O table from 2006 in combination with various other sources. The creation of the new regional table and the respective data are described in detail below. In the regionalized table, seven renewable energy sources are considered: wind, solar PV, solar thermal, hydropower, biomass, biogas, and geothermal power. For each of the seven sources, the construction and the operation of the installations are considered separately.

We study two scenarios with different sources funding the investments in the construction and operation of renewable energy installations. In the first scenario, all the necessary investments are funded completely by internal sources. Hence, the scenario is driven by the assumption that these investments either crowd out investments in other industries of the regional economy or the investments are paid by the government, i.e. by taxes which are borne by all other industries and by the households. The second scenario considers the case of a partly external funding by taking into account that the installations may be demanded from "abroad", i.e. the rest of Germany and the rest of the world. Therefore, investments in other industries are not completely crowded out.

Some recent studies examine the latter scenario for Germany, assuming that expenditures for renewable energy are "exogenous" (see: O'Sullivan et al., 2012), and generally finding positive employment effects on renewable promotion (often labeled as "gross employment effects"). As this paper shows, the assumption of exogenous expenditures is not an innocent one. Assuming that expenditures for renewables are purely or mainly domestic, production and employment effects become negative. This highlights the importance of assumptions when evaluating renewable policies in general and, in particular, for regional applications, where the regional trade structures (i.e. imports and export to other regions) can strongly influence local competitiveness.

The remainder of the paper is organized as follows. Section 2 briefly describes the concept of inputoutput tables and then elaborates on the construction of the regional table. Section 3 explains the extension of the regional I-O table by renewable energy sectors and, building on this, evaluates the scenarios described above. Section 4 concludes.

2. Construction of an Input-Output Table for Baden-Wuerttemberg

Input-output tables depict in detail the quantitative relationships between the various industrial sectors within an economy and the international dimension by means of export and import flows. A simplified scheme of a typical input-output matrix can be found in Table 1.

| | | Sectoral | inputs | Fin | nal use of goods | | Total use |
|--------------|-----------------|-----------------------|----------|-------------|------------------|-------------------|-----------------|
| | | Sector <i>i</i> | Sector j | Consumption | Investments | Exports | of goods |
| Inter- | Sector <i>i</i> | $\widetilde{z}_{j,i}$ | ₹i,j | d_i | $\dot{i_i}$ | X_i | \mathcal{U}_i |
| mediate | Sector j | $z_{j,i}$ | Zj.j | d_j | i_j | \mathcal{X}_{j} | u_j |
| inputs | | | | | | | |
| Primary inpu | its | w_i | w_{j} | | | | |
| Imports | | m_i | m_j | | | | |
| Total supply | of goods | \$ _i | S_j | | | | |

Table 1: Simplified representation of a typical input-output table in ESA-95 format

Source: Kronenberg (2009), Miller & Blair (1985) and own representation

The most extensive part of the table is taken by the intermediate interrelations represented by coefficient z_i . For example, z_{ij} shows which value of the quantity produced by sector *i* is used for the intermediate supply for the production of sector *j*. The coefficients in the columns "Final Demand", *d*, *i* and *x*, show which output quantity of each sector is used for consumption expenditure (private, government etc.), investment and exports, respectively. The primary inputs *w* are the total of the capital and labour inputs

into each sector. The coefficient *m* shows which quantity of input of the respective sector is imported. According to economic theory, the supply of goods equals the demand of goods, i.e. for every sector, s = n. The columns of the input-output table can be interpreted as a Leontief production function, i.e. a production function with fixed ratios between the production factors. The key production factors (labour, capital, materials in terms of intermediate inputs) are listed and their share in the production of one unit of output can be easily calculated. For that we have to assume that every group of goods is homogeneous. This is plausible if the sectoral classification is detailed enough. Ideally, every product should have its own sector which, of course, is not justifiable due to the massive data collection effort that would be needed. Currently, the input-output calculations in Germany contain 71 groups of goods and are published each year by the German Federal Statistical Office (*Statistisches Bundesamt*) with a delay of three to four years.

A survey-based method for the construction of a regional input-output table based on a detailed inquiry of households and companies is very extensive and time-consuming. We suggest an alternative method to derive a regionalized input-output table to examine the impact of renewable energy generation, following Kronenberg (2008, 2009). The major sources are the input-output table of the Federal Republic of Germany from 2006 (Statistisches Bundesamt, 2009a), the data of the *Laufende Wirtschaftsrechnungen* (LWR - Household Budget Surveys) of the Baden-Wuerttemberg Statistical Office (Statistisches Landesamt Baden-Württemberg, 2009) and data provided by the German Federal Agency for Labour (BA, 2006). The method for the construction of the regional table mostly follows Kronenberg (2008, 2009), adjusted to the available data. In the literature on input-output analysis this method is referred to as Supply Demand Pool method or Commodity Balance method, respectively. The applied steps of constructing the regional input-output table for Baden-Wuerttemberg are described below.

2.1. Final Demand

The final demand consists of the consumption expenditures of private households, of non-profit private organisations and of the state, as well as of investments, changes in stock, and net acquisitions of values and exports. The private consumption expenditures form the largest share of final demand, except for exports, and therefore, the maximum accuracy in their estimation is of utmost importance. The estimation of the flow of goods is explained in detail below.

The basis of the estimation of private consumption is data from the LWR (Statistisches Landesamt Baden-Württemberg, 2009). The monthly private expenditures for various consumption purposes are displayed in lists of employed and unemployed individuals. The various consumption purposes are displayed in Table 2. By calculating a weighted average of the consumption expenditures of both groups, the shares of consumption per purpose could be determined. A first state-wide extrapolation of the private consumption structured by purpose, could be made through the total consumption expenditures of an average household and the total amount of households. This is displayed together with the extrapolation of the Federal Republic's data (based on the LWR for Germany) in Table 3.

Both Kronenberg (2008) and Lehman (2004) point out that extrapolations based on *Einkommens- und Verbrauchsstichprobe* (EVS – Household Income and Consumption Sample) are mostly below the extrapolations based on the National Accounts. This is due to the conceptually different sampling methods and the various error sources in the surveys. The samples of the LWR are primarily based on the previous EVS and therefore the divergence cannot be eliminated in these estimations.

| T 11 0 D | C | . • | 1. |
|---------------------|-----|-------------|--------------|
| Table 2: Purposes | tor | consumption | expenditures |
| I dore at I diposed | TOT | company | enpendicates |

| 1 1 1 |
|---------------------------|
| Food, beverages, tobacco |
| Textiles |
| Rent |
| Energy |
| Maintenance |
| Domestic appliances |
| Health care |
| Transport |
| Telecommunication |
| Entertainment and culture |
| Education |
| Gastronomic services |
| Other goods and services |

To minimize this deviation, the first extrapolation has to be adjusted accordingly. To do so, we compare the private consumption expenditures based on the LWR of the Federal Republic of Germany (Statistisches Bundesamt, 2009b) with the expenditures based on the National Accounts of Germany (Statistisches Bundesamt, 2009c). According to this, we can determine the adjustment factors for the Federal level and they are assumed to also apply to Baden-Wuerttemberg. This results in a second extrapolation which considers the described facts, structured by purposes of private consumption expenditures in Baden-Wuerttemberg.

| | mn EUR | % of total ex- | mn EUR Ger- | % of total ex- |
|----------------------------|---------------|----------------|-------------|----------------|
| | Baden-Wuertt, | penditures | many | penditures |
| Food, beverages, tobacco | 14,144 | 13.3 | 123,595 | 13.7 |
| Textiles | 5,513 | 5.2 | 40,050 | 4.4 |
| Living (rent, energy etc.) | 34,803 | 32.7 | 294,560 | 32.7 |
| Domestic appliances | 7,738 | 7.3 | 55,553 | 6.2 |
| Health care | 4,219 | 4.0 | 35,743 | 4.0 |
| Transport | 12,936 | 12.2 | 138,237 | 15.4 |
| Telecommunication | 3,007 | 2.8 | 26,700 | 3.0 |
| Entertainment and culture | 12,747 | 12.0 | 100,340 | 11.1 |
| Education | 659 | 0.6 | 6,029 | 0.7 |
| Gastronomic services | 6,074 | 5.7 | 45,648 | 5.1 |
| Other goods and services | 4,509 | 4.2 | 33,590 | 3.7 |

Table 3: Extrapolation of the annual private consumption expenditures structured by consumption purposes for Baden-Wuerttemberg and Germany in 2006

Source: LWR and own calculations

The estimated private consumption expenditures, structured by purpose, differ from typical input-output analyses because they are structured by industrial sectors. Therefore, the next step needs to be an estimation of consumption expenditures based on sectors. To do so, a table describing the interrelations of consumption with sectors is used, which is part of the input-output analysis (Statistisches Bundesamt, 2009a). This table assigns the consumption expenditures for the purposes to the various sectors. As this table with 41 purposes is more detailed than the LWR, we have to aggregate the table according to the classification of the LWR. Using this aggregated table, the consumption assignment coefficients can be calculated assuming that the same coefficients apply to Baden-Wuerttemberg as to the Federal Republic of Germany. Kronenberg (2008) describes this method in detail; therefore we waive a detailed exposition here.

Before the estimated private consumption expenditures can be transferred to the input-output table, we have to consider that for the LWR survey the households rate the acquired goods on a purchase price level, i.e. including taxes (minus subsidies), trade and transport costs. The input-output table takes the production costs as a basis. Therefore, we convert the purchase price to the production costs based on a table of production costs with transition to the purchase price, which is also a part of the national input-output table. These steps result in an extrapolation of private consumption expenditures in Baden-Wuerttemberg structured by industrial sectors which can be used for the input-output table for the state. The aggregated form based on the WZ2003 classification can be obtained from Table 4.

| | mn EUR Baden- | % of total ex- | mn EUR Ger- | % of total ex- |
|------------------------------------|---------------|----------------|-------------|----------------|
| | Wuerttemberg | penditures | many | penditures |
| Agriculture and forestry | 2,478 | 1.8 | 15,742 | 1.4 |
| Fishery | 40 | 0.03 | 316 | 0.03 |
| Mining | 927 | 0.7 | 5,584 | 0.5 |
| Manufacturing | 44,579 | 31.6 | 291,401 | 25.8 |
| Energy and water supply | 2,269 | 1.6 | 31,636 | 2.8 |
| Construction | 388 | 0.3 | 3,377 | 0.3 |
| Trade and maintenance of vehicles | 21,349 | 15.1 | 198,264 | 17.6 |
| and durable goods | | | | |
| Gastronomic services | 7,989 | 5.7 | 57,996 | 5.1 |
| Transport and telecommunication | 6,495 | 4.6 | 69,360 | 6.1 |
| Financial services and insurance | 6,948 | 4.9 | 79,561 | 7.0 |
| Dwellings, rental services etc. | 31,337 | 22.2 | 235,199 | 20.8 |
| Public services | 391 | 0.3 | 4,315 | 0.4 |
| Education | 1,235 | 0.9 | 11,703 | 1.0 |
| Health care, social insurance etc. | 5,338 | 3.8 | 53,721 | 4.8 |
| Other services | 8,278 | 5.9 | 65,054 | 5.8 |
| Services of private households | 961 | 0.7 | 6,760 | 0.6 |

 Table 4: Extrapolation of annual private consumption expenditures structured by industrial sectors for Baden-Wuerttemberg and Germany in 2006

Source: own calculations based on Statistisches Bundesamt (2009a, 2009b, 2009c) and Statistisches Landesamt (2009)

The remaining parts of final demand, i.e. consumption expenditures of private non-profit organisations and the state, as well as investments, changes in stock and net acquisition of values will be estimated to regional data by scaling down the national values. To do so, the National Accounts of the German states (Statistische Ämter, 2009) are used to measure the shares of Baden-Wuerttemberg to the national state consumption, the national investments and the national GDP. To assess the consumption expenditures of private organisations and the state, we take the share of the state consumption. For the investments we take the investment share and for the changes in stock the share in GDP. Thus, we have an estimation to be used for the regional table for all components except for exports.

2.2. Production and Intermediate Products

The next step involves the estimation of the intermediate production. As there were no detailed figures about the various productivities of the individual sectors, we refer to data of the Federal Employment Agency (BA, 2006). The data contain the numbers of employees who are subject to compulsory social insurance in Baden-Wuerttemberg structured by the sixteen economic sectors (according to WZ2003 classification). With these numbers we were able to determine the share of employees who are subject to compulsory social insurance of the total of employees in the respective sector on the national level. By using a concordance table, these shares were transferred from the WZ2003 classification to the 71 groups of goods of the input-output analysis (structured by CPA-codes). The computed shares are displayed in

Table 5 for an aggregate sectoral classification. With those shares we estimate the intermediate production of the individual sectors by scaling the according data of the national input-output analysis to the regional data. A more accurate estimation would be possible if the compensations of employees were available on a sectoral basis. Kronenberg (2008) also points out that, according to economic theory, the differences in compensation partly come from differences in productivity. So, the varying productivity between state and national level would be included in the input-output table. As such data were not available for this survey, we referred to the number of employees. Despite the mentioned problems they form a consistent measure for the inclusion of differences in the production structures. This consistency is strengthened by Baden-Wuerttemberg being a state in which almost all groups of goods of the national input-output analysis are produced; also Baden-Wuerttemberg's GDP share of the national GDP is relatively high (about 15%), i.e. German averages of certain indicators are influenced relatively strongly by those of Baden-Wuerttemberg.

| | Baden-Wuerttemberg | Germany | |
|---|--------------------|--------------------|---------|
| Sector | (no. of employees) | (no. of employees) | Share % |
| Agriculture, forestry and fishery | 22,456 | 267,867 | 8.4 |
| Mining | 4,993 | 104,291 | 4.8 |
| Manufacturing | 1,322,471 | 6,642,561 | 19.9 |
| Energy and water supply | 29,434 | 249,793 | 11.8 |
| Construction | 192,791 | 1,466,083 | 13.2 |
| Trade and maintenance of vehicles and durable goods | 519,742 | 3,957,492 | 13.1 |
| Gastronomic services | 87,734 | 719,100 | 12.2 |
| Transport and telecommunication | 157,575 | 1,479,991 | 10.6 |
| Financial services, insurance | 142,587 | 1,018,472 | 14.0 |
| Dwellings, rental services etc. | 409,019 | 3,247,022 | 12.6 |
| Public services | 201,577 | 1,696,183 | 11.9 |
| Education | 107,220 | 998,029 | 10.7 |
| Health care, social insurance etc. | 401,599 | 3,139,804 | 12.8 |
| Other services | 131,076 | 1,215,462 | 10.8 |
| Total | 3,730,607 | 26,205,969 | 14.2 |

Table 5: Shares of employees subject to compulsory social insurance (Baden-Wuerttemberg as a share of Germany)

Source: own calculations based on BA (2006)

After estimating the intermediate production, the rest of the data concerning the production are estimated. This applies for the sum of intermediate production, employee compensation (i.e. wages), depreciation, the net surplus, the gross value added, and the production value of the individual sectors. We use the share of employees who are subject to compulsory social insurance in Baden-Wuerttemberg to estimate the taxes on goods (minus the subsidies), the depreciation and the net surplus for each sector. The remaining components of the bottom rows in a typical input-output table are the totals of all other values so we estimate them by summing up the individual parts. Therefore, only the estimation of the flows of goods is needed for the completion of the regional input-output table.

2.3. Imports and Exports

In the traditional methods of creating regional input-output tables it is assumed that within each group of goods there is either export only or import only. This is measured by examining if the difference of goods supplied and demanded abroad is positive or negative. In reality, it can be observed that in every sector there are exports and imports. This phenomenon is referred to as cross hauling (i.e. intrasectoral trade) in the literature and, according to Kronenberg (2009), this is due to the heterogeneity inside the sector. Though this violates the basic assumption that all goods are homogeneous in input-output analyses, this cannot be ruled out because of the existing sectoral disaggregation. Even when the sectors are classified more detailed, cross hauling can appear, as for example private households have a brand awareness which

always leads to imports and exports. This means that the households in Baden-Wuerttemberg do not only consume goods produced in Baden-Wuerttemberg, but also those produced in other regions and nations. By increasing the number of groups of goods in the classification, the extent of intrasectoral trade might decrease, but it can only be extinguished if every product forms its own sector. This effort, however, cannot be justified.

Kronenberg (2009) introduces the Cross Hauling Adjusted Regionalization Method (CHARM) to remedy this problem. The method estimates heterogeneity within a group of goods and therefore can approximate the extent of cross hauling. Therefore, cross hauling is a function of product heterogeneity and the demand (intermediate and final demand) of the respective sectors. The functional relationship proposed by Kronenberg (2009) is linear, i.e. the sum of production and total demand is proportional to cross hauling and the degree of heterogeneity represents the proportionality factor. The degree of heterogeneity is the ratio of the difference of the trade volume and the absolute value of the trade balance and the sum of the production and total demand. The detailed derivation is documented in Kronenberg (2009). The degree of heterogeneity is estimated through the data of the national input-output table and we assume that the degree of heterogeneity within each sector of Baden-Wuerttemberg is the same as that of Germany. Based on this, we are able to estimate the extent of cross hauling for each sector. We estimate the regional trade volumes of each sector, knowing the trade volume to be the sum of the absolute value of the trade balance and cross hauling. The regional trade balances are the difference of production values and the total demand. Using the definition of the trade volume (equals the sum of imports and exports) and the trade balance (equals the difference of exports and imports), we are able to estimate the regional imports and exports of every sector by using the data calculated previously.

All components of the regional input-output table were estimated and therefore only the total sums of the rows and columns have to be computed, i.e. for the final demand of the goods including exports, the total consumption of goods as well as the total supply of goods. The result is a regional input-output table (in mn euros) for the state of Baden-Wuerttemberg as displayed in the Appendix.[‡]

3. A Regional Climate Policy and Its Effect on Production and Employment

In this section, we look at the effects of regional climate policy actions on various economic indicators. As an example, we will consider an increase of the share of renewable energy carriers in electricity generation to 20 % until 2020 and an increase of the heat supply share of renewables to 16 % by 2020. These figures were envisaged in a program of the state government of Baden-Wuerttemberg from 2009 (*Energiekonzept 2020*). We will analyze in particular the production and employment effects in an input-output framework. Therefore, we have to include different renewable energy types into the input-output table. The first step for doing that is the extension of the regionalized input-output table by various types of renewable energy.

After creating a regionalized input-output table for the German state of Baden-Wuerttemberg, we introduce renewable energy sources as sectors of the input-output system. This means, in particular, that we do not include completely new sectors in the state's economy, but split the existing energy sector into several different energy subsectors, namely wind, solar PV, solar thermal, hydropower, biomass, biogas and geothermal power. To represent investment and employment incentives in the field of renewable energies in Baden-Wuerttemberg in detail, it is necessary to distinguish between the production of the equipment and its operation.

[‡] The input-output table is in German since the underlying database (i.e. the German input-output table) was published by the German Federal Statistical Office. Therefore, a translation including the involved sectors and other terms appearing in the table are translated subsequently.

For the disaggregation of the energy sector we need detailed information on the produced amount of energy of each single energy sector to depict the supply side of the I-O table. In this way, we can determine the value of energy that is provided by the various energy types to the economy as a whole. In the analysis of investment and employment effects of renewable energies, especially the use side of the I-O table is important. Information on goods and services which are necessary for the construction and operation of a specific installation has to be provided. With this information we can draw conclusions on how single energy sectors influence macroeconomic indicators.

We will thus initially include 14 new columns and rows, two for each energy type (construction and operation). For the construction of installations solely intermediate goods from other sectors are used. However, an installation does not produce any output, i.e. energy, at this stage. For the operation of the plants inputs for both their maintenance and the replacement of single components are consumed. At this stage, energy which can be supplied to the economy is produced.

Now the question arises in what way installations for energy generation have to be separated from installations for energy distribution. According to the *German Law for Electricity and Gas Supply* (EnWG), energy generation and energy distribution have to be strictly separated. Also from a theoretical viewpoint there are good reasons to do such a separation since a single power plant does not provide energy for a specific consumer. Therefore, we introduce an additional sector "energy distribution" in the input-output system. The energy sectors supply the complete amount of produced energy to that sector and this sector provides the energy to the market.

This approach is also used in the theoretical literature. Gay and Proops (1993), Proops et al. (1993) and Cruz (2002) use the disaggregation scheme described above. However, in the previous studies energy sectors were often disaggregated only qualitatively. It was assumed that the inputs required for energy generation were the same for all types of energy. Yet it is clear that, for instance, the operation of a biomass power plant uses different intermediate inputs than a coal power plant. In this study, however, we use technology-specific inputs. Hence, we can reduce the number of assumptions and obtain more detailed results regarding macroeconomic effects.

The following steps are necessary to include new sectors into the regionalized input-output framework:

- Coverage of inputs and outputs of the new sectors on a value basis.
- Implementation of an energy distribution sector into the input-output table.
- Modeling of the supply side: Subtraction of the value of energy produced from renewable energy from the value of conventional energy.
- Modeling of the demand side: Balancing of the goods and services required for the construction of installations for renewable energy and its generation.

3.1. Situation in 2008

In a first step, we will examine the significance of renewable energy regarding the effects on employment and investment. An important point to consider is the turnover of the different energy types which is summarized in Table 6. The numbers are taken from the regionalized and extended input-output table. Since the I-O table describes the situation in 2006, we used the inflation rate to obtain 2008 values.[§] The GDP of Baden-Wuerttemberg has a value of approximately 780 billion euros, according to the regionalized input-output table. The data on the turnover of the renewable energy types as shown below stem from Bickel et al. (2009).

[§] The German I-O table of 2008 is not present yet.

| | Turnover (mn €) |
|----------------------------|-----------------|
| Construction wind | 352 |
| Construction solar PV | 708 |
| Construction solar thermal | 158 |
| Construction hydropower | 139 |
| Construction biomass | 153 |
| Construction biogas | 42 |
| Construction geothermal | 60 |
| Operation wind | 21 |
| Operation solar PV | 82 |
| Operation solar thermal | 26 |
| Operation hydropower | 62 |
| Operation biomass | 97 |
| Operation biogas | 71 |
| Operation geothermal | 28 |

Table 6: Turnover of different renewable energy types in Baden-Wuerttemberg (construction and operation)

Furthermore, data on regional employment in the different sectors are depicted in Table 5. With these numbers we can construct sectoral "employment coefficients" indicating the number of employees required for a turnover of 1 million euros. They are shown in Table 7. With these coefficients we can compute sector-specific employment effects.

Table 7: Employment coefficients in Baden-Wuerttemberg, Employees per mn euros of turnover

| Sector | Employees per mn euros of turnover |
|---|------------------------------------|
| Agriculture, forestry and fishery | 3.50 |
| Mining | 1.00 |
| Manufacturing | 3.47 |
| Energy and water supply | 2.31 |
| Construction | 6.94 |
| Trade and maintenance of vehicles and durable goods | 9.82 |
| Gastronomic services | 8.93 |
| Transport and telecommunication | 4.58 |
| Financial services, insurance | 4.31 |
| Dwellings, rental services etc. | 4.14 |
| Public services | 8.92 |
| Education | 7.41 |
| Health care, social insurance etc. | 14.44 |
| Other services | 6.22 |

In the following, we will compare the actual situation with a hypothetical scenario in which no renewable energy types exist in order to have a reference for the current state of the art regarding the effects of investments in renewable energy sources. Therefore, the demand for products from the renewable energy sectors is assumed to equal zero. In this way, no feedback effects from the renewable sectors to other sectors are possible. Following that we can compute the total use of the different sectors under the hypothetical scenario. We then calculate the difference between the actual situation (including renewable energy) and the hypothetical situation (without renewable energy) and obtain gross turnover effects caused by the construction and operation of renewable energy installations. The results are shown in Table 8.

| | | Employment effects |
|---|----------------------------|--------------------|
| Sector | Additional turnover (mn €) | (no. of jobs) |
| Agriculture, forestry and fishery | 11.1 | 39 |
| Mining | 17.2 | 17 |
| Manufacturing | 1,207.6 | 4,193 |
| Energy and water supply | 2,107.1 | 6,743 |
| Construction | 26.5 | 184 |
| Trade and maintenance of vehicles and durable goods | 97.5 | 957 |
| Gastronomic services | 9.2 | 82 |
| Transport and telecommunication | 84.5 | 387 |
| Financial services, insurance | 118.2 | 510 |
| Dwellings, rental services etc. | 357.4 | 1,481 |
| Public services | 20.8 | 186 |
| Education | 10.9 | 81 |
| Health care, social insurance etc. | 8.6 | 125 |
| Other services | 31.7 | 197 |
| Total | 4,108.5 | 15,182 |

Table 8: Turnover and employment effects induced by renewable energy in Baden-Wuerttemberg in the reference year 2008

Table 9: Partial employment effects induced by renewable energy sectors in Baden-Wuerttemberg (Reference year: 2008)

| Energy type (construction and operation) | Employment effect (no. of jobs) |
|--|---------------------------------|
| Construction wind | 2,377 |
| Construction solar PV | 4,724 |
| Construction solar thermal | 1,089 |
| Construction hydropower | 943 |
| Construction biomass | 1,052 |
| Construction biogas | 298 |
| Construction geothermal | 421 |
| Operation wind | 230 |
| Operation solar PV | 910 |
| Operation solar thermal 290 | |
| Operation hydropower | 695 |
| Operation biomass | 1,078 |
| Operation biogas | 787 |
| Operation geothermal | 312 |
| Total | 15,206 |

The comparison between both situations shows a gross effect for total turnover of 4.1 billion euros. The direct effects can be computed through the turnover values in the extended input-output table and amount to approximately 2 billion euros. The value of indirect effects – via the increased demand for intermediate products – is approximately 2.1 billion euros. The gross employment effects amount to ca. 15,000 jobs of which the energy supply sector accounts for 6,700 jobs. Also in the manufacturing industries, we see that more than 4,000 jobs can be induced by renewable energies (in a consideration of gross effects). Table 9 displays partial employment effects induced by each of the considered sectors for renewable energies.

3.2. Scenarios: Effects of a Regional Climate Policy

In this section we analyze future effects of a regional climate policy. The state of Baden-Wuerttemberg plans to achieve a 20% share of renewables in energy production by 2020. The turnover values are based on the assumption that the construction and operation of renewable energy installations happens to the full extent, i.e. the goal of 20% can be accomplished. Before presenting the results of our calculations, we have to point out their basis and the limitations of the approach. We assume that the structure of the regional economy remains constant, in principle, until the year 2020. Since this is a relatively short time frame this assumption seems plausible. In particular, this means that the technological conditions do not change substantially. A second issue regarding the input-output framework is that price changes are excluded, i.e. all results are presented in 2008 prices. We can then examine how an exogenous demand shock affects the regional economy.

An important issue is the distinction between gross and net (employment) effects. Gross effects occur if we assume that only the benefits of an increased demand are considered without accounting for their costs, i.e. the investments in renewable energy sources are completely financed by external sources outside the regional economy. If those investments are subsidized by the state government, the construction and operation of installations have to be financed by taxes. Furthermore, if those investments are financed by private institutions, crowding out effects occur, i.e. investments in other sectors will decrease. We will first present the gross effects and subsequently discuss possible net effects. The calculation of gross employment and investment effects is carried out similarly as described in Subsection 2.1 above. We use turnover values for the different energy types to determine the demand in the energy sectors and compute the total use of all sectors in the input-output framework. Following that, we can calculate the differences between the altered and the original use vectors yielding the gross turnover effects. Using the employment coefficients from Table 7, we can then detect gross effects on the labour market. Table 10 summarizes the results of this calculation.

| | Additional turno- | Employment effects |
|---|-------------------|--------------------|
| Sector | ver (mn €) | (no. of jobs) |
| Agriculture, forestry and fishery | 75.4 | 264 |
| Mining | 63.7 | 64 |
| Manufacturing | 8,376.2 | 29,085 |
| Energy and water supply | 16,127.0 | 46,689 |
| Construction | 191.3 | 1,327 |
| Trade and maintenance of vehicles and durable goods | 498.1 | 4,890 |
| Gastronomic services | 30.4 | 272 |
| Transport and telecommunication | 525.9 | 2,409 |
| Financial services, insurance | 1,473.8 | 6,357 |
| Dwellings, rental services etc. | 2,373.3 | 9,831 |
| Public services | 131.6 | 1,173 |
| Education | 35.9 | 266 |
| Health care, social insurance etc. | 2.0 | 29 |
| Other services | 199.6 | 1,242 |
| Total | 30,104.4 | 103,898 |

Table 10: Gross turnover and employment effects induced by the regional climate policy in Baden-Wuerttemberg until 2020

The total gross turnover effect amounts to approximately 31 billion euros until 2020. Compared to the GDP of Baden-Wuerttemberg (ca. 780 billion euros), this implies a weight of almost 4% induced by renewable energies. The gross effect on the labour market amounts to ca. 105,000 jobs. In the energy sector,

we observe direct gross effects of 16 billion euros of turnover and 47,000 jobs, respectively. Indirect effects – induced by an increased demand for intermediate products – amount to 15 billion euros and 58,000 jobs, respectively. Table 11 displays partial employment effects which are induced by each energy type.

| Energy type (construction and operation) | Employment effect (no. of jobs) |
|--|---------------------------------|
| Construction wind | 2,132 |
| Construction solar PV | 16,701 |
| Construction solar thermal | 16,831 |
| Construction hydropower | 3,732 |
| Construction biomass | 6,007 |
| Construction biogas | 4,034 |
| Construction geothermal | 5,846 |
| Operation wind | 2,201 |
| Operation solar PV | 12,391 |
| Operation solar thermal | 4,521 |
| Operation hydropower | 5,481 |
| Operation biomass | 10,437 |
| Operation biogas | 8,958 |
| Operation geothermal | 4,629 |
| Total | 103,901 |

Table 11: Partial gross employment effects induced by the regional climate policy in Baden-Wuerttemberg until 2020

After computing gross effects of the regional renewable goals, we will now shortly discuss how to deal with the fact that investments in renewables may crowd out other investments if they are not funded externally. Hence, we come up with a possible treatment of net employment effects. Therefore, we assume that the costs for future investments in renewable energy types are borne completely by the economy of Baden-Wuerttemberg. That means all other sectors pay for those investments either by taxes or by crowding out effects. We will thus debit all sectors apart from the renewable energy sectors to the amount of the total investments in renewables for the period from 2009 to 2020. Thereby, every sector is debited according to its weight in Baden-Wuerttemberg's economy such that these debits sum up to the total of investments in the renewable energy sources. Table 12 shows the net turnover and employment effects under this assumption. In sum, there is a small positive net turnover effect. However, net employment effects are negative. This is due to a higher labour intensity, e.g. in the service sectors, whereas sectors such as manufacturing and energy have a relatively low labour intensity.

A possible way to obtain positive employment effects is to increase the demand by means of exports – from the rest of Germany and the rest of the world. In this way, the investments in renewable energy types in Baden-Wuerttemberg would be financed by external sources and would thus neither crowd out completely other investments nor entirely have to be financed by taxes in Baden-Wuerttemberg. The results of a scenario assuming funding by external sources, i.e. the renewable energy installations are partly exported to the rest of Germany and the rest of the world and do thus not crowd out completely other investments, are summarized in Table 14. Exports of renewable equipment are assumed to be EUR 3,597 million in 2020, as proposed by Bickel et al. (2009), see Table 13. This would represent a world market share of Baden-Württemberg of roughly 1%, based on Energy Watch Group (2008).

| | Additional turno- | Employment effects |
|---|-------------------|--------------------|
| Sector | ver (mn €) | (no. of jobs) |
| Agriculture, forestry and fishery | -197.7 | -693 |
| Mining | -129.1 | -129 |
| Manufacturing | -5534.2 | -19,217 |
| Energy and water supply | 15,719.9 | 45,748 |
| Construction | -847.1 | -5,878 |
| Trade and maintenance of vehicles and durable | | |
| goods | -1,451.1 | -14,245 |
| Gastronomic services | -348.6 | -3,111 |
| Transport and telecommunication | -758.8 | -3,475 |
| Financial services, insurance | 276.1 | 1,191 |
| Dwellings, rental services etc. | -1,468.3 | -6,082 |
| Public services | -707.2 | -6,306 |
| Education | -498.8 | -3,696 |
| Health care, social insurance etc. | -1,024.1 | -14,788 |
| Other services | -589.2 | -3,666 |
| Total | 2,441.9 | -34,347 |

Table 12: Net turnover and employment effects induced by the regional climate policy in Baden-Wuerttemberg until 2020, internal funding

Table 13: Assumed export turnover for renewable equipment in Baden-Württemberg

| | Export Turnover (mn €) |
|------------------------------|------------------------|
| Construction wind | 1,440 |
| Construction solar PV | 1,520 |
| Construction solar thermal | 12 |
| Construction hydropower | 280 |
| Construction biomass | 300 |
| Construction biogas | 23 |
| Construction geothermal | 22 |
| Source: Bickel et al. (2009) | |

We observe positive turnover and employment effects due to the fact that the required investment is partly funded through exports of renewable equipment. Hence, we see that the program may induce additional turnover and additional jobs in all sectors in the state of Baden-Wuerttemberg. However, to accomplish these goals, the demand from abroad (including the rest of Germany) has to be high enough.

Although numerous studies exists which examine employment and production effects of renewable energy promotion using the same or a similar methodological framework as in this study, it is relatively difficult to compare their results. This is due to two reasons. First, to our knowledge this is the first study to analyze these effects on a regional basis. Secondly, previous studies show different approaches, outcomes and assessments with respect to the direction and the magnitude of the production and employment effects.

A study published by the German Ministry for the Environment (BMU, 2006) finds positive gross and net employment and production effects. It states that the promotion of renewable energies can create up to 56,000 new jobs in Germany in terms of net values and 250,000 new jobs in terms of gross values, i.e. within the renewable energy sector. The latter number is roughly supported by O'Sullivan et al. (2009, 2012).

| | Additional turno- | Employment effects |
|---|-------------------|--------------------|
| Sector | ver (mn €) | (no. of jobs) |
| Agriculture, forestry and fishery | 1.3 | 4 |
| Mining | 13.8 | 12 |
| Manufacturing | 1,816.9 | 6,309 |
| Energy and water supply | 3,633.5 | 12,573 |
| Construction | 37.8 | 262 |
| Trade and maintenance of vehicles and durable goods | 133.9 | 1,314 |
| Gastronomic services | 8.2 | 73 |
| Transport and telecommunication | 102.0 | 467 |
| Financial services, insurance | 91.7 | 395 |
| Dwellings, rental services etc. | 573.6 | 2,376 |
| Public services | 12.8 | 114 |
| Education | 6.9 | 51 |
| Health care, social insurance etc. | 0.4 | 5 |
| Other services | 39.9 | 248 |
| Total | 6,470.5 | 24,205 |

Table 14: Net turnover and employment effects induced by the regional climate policy in Baden-Wuerttemberg until 2020, external funding by exporting

However, this study only concentrates on gross employment effects and thus neglects the fact that investments in renewable energy may crowd out investments in other sectors. Furthermore, as shown in our calculations above, the outcomes for net employment and turnover effects depend crucially on the assumptions how the investments in renewable energy are funded (internally or externally via exports). The assumptions on exports of renewable energy equipment in BMU (2006) are, however, relatively optimistic. The study does not exclude that net employment effects might be negative if the export developments do not turn out to be as optimistic as assumed. More recently, a report published by the German Ministry for the Environment (BMU, 2009) accounts for negative budget and income effects which can arise through the promotion of renewable energy.

On the other hand, a study by RWI (2009) challenges the results of the studies named above. The authors emphasize negative implications for economic welfare induced by the promotion of renewable energy. Namely, they call attention to negative employment effects in the conventional energy sector and to a reduction of economic activity which arises through higher electricity prices induced by subsidies for renewable energy and/or crowding out of other investments. Similar results are found by IWH (2004), Fahl et al. (2005), Pfaffenberger (2006) and Hillebrand et al. (2006). Hillebrand et al. (2006) accentuate that positive net employment effects can be expected initially. Yet these effects decrease and can be negative after investments decline while electricity prices remain high.

The contribution of this study is the consideration of regional aspects of potential climate policies. Furthermore, we report detailed turnover and employment effects on a sectoral basis. The example of Baden-Wuerttemberg was chosen because a high share of production and employment in this state is generated in the manufacturing industries. To our knowledge, this study is the first attempt to analyze this concrete subject for a specific region. With respect to the results, in particular in comparison to the previous studies referred to above, it appears that the direction and size of production and employment effects are influenced to a high degree by the sources that fund investments in renewable energies. In the case of high external funding, our results are in line with outcomes of those studies predicting high positive net employment effects – given the relative size of Baden-Wuerttemberg's economy compared to the German economy and the fact that Baden-Wuerttemberg's manufacturing industries have a large share within Germany. However, it is extremely questionable that all investments can be funded through exports – neither from the rest of Germany nor from the rest of the world. Furthermore, more recent developments show that, in the solar PV industry, intermediate products are even imported, principally from China and Japan (RWI, 2009).

4. Conclusions

The analysis of a regional climate policy in the German state of Baden-Wuerttemberg shows that its impacts are ambiguous. It depends on the sources which fund the investments in the installations and the operation of renewable energy. In the case of a completely internal funding, total employment effects are negative, whereas the production effects are positive but small in size. This is due to crowding out effects of investments in other sectors as the money spent on investments in renewable energies cannot be spent on other investments. Thus, we rather observe a structural change of the economy: jobs are created within the renewable energy sector but are lost in other industries. However, in an export-oriented economy, the funding of the required investments comes from external sources as those installations are demanded from abroad, i.e. from the rest of Germany and the rest of the world. In this case other investments are not crowded out completely and jobs as well as additional turnover may be created within the whole economy of Baden-Wuerttemberg through the demand from the renewable energy sectors for intermediate products from other sectors.

Acknowledgements

The authors are grateful to Peter Bickel for providing useful data for the extension of the input-output table and to Andreas Löschel and Tobias Kronenberg for their valuable scientific advice. Funding by the Ministry of the Environment in Baden-Wuerttemberg as well as the European Commission, Directorate-General for Research and Innovation under the project "The Integration of Mainstream Economic Indicators with Sustainable Development Objectives (IN-STREAM)" is gratefully acknowledged.

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Appendix

The appendix includes the resulting input-output table for the German state of Baden-Wuerttemberg. The complete table is available on request from the authors as a Microsoft Excel file.

| | | Demand Supply | Agricultural products and products of humting | and services of forestry | Fish and other fishing products | Coal and lignite; peat | cnuce on, natural gas, extraction services thepeot |
|----------|--------------------------|---|---|--------------------------------|--|------------------------------|---|
| No. | CPA | N CP | - | 2 02 | 3 05 | 4 10 | 5 11 |
| 1 | 01 | Agricultural products and products of hunting | 578 | 6 | | 1 | |
| 2 | 02 | Products and services of forestry and logging | 6 | 50 | | 0 | 1 |
| 3 4 | 05 10 | Hish and other fishing products | 1 | | 4 | 22 | |
| 4 5 | 10 | Coal and lignite; peat Crude oil, natural gas, extraction services thereof | 2 | | | 22 | 8 |
| 6 | 12 | Uranium and thorium ores | | | | | |
| 7 | 13 | Metal ores | | | | _ | |
| 8 9 | 14 15.1 - 15.8 | Other mining and quanying products | 13 702 | | 0 | 0 | |
| 9 10 | 15.1 - 15.8 | Food products Beverages | 102 | | | | |
| 11 | 16 | Tobacco products | ů | | | | |
| 12 | 17 | Textiles | 5 | | 10 | | |
| 13 | 18 19 | Wearing apparel | 1 | 1 | | 1 | 0 |
| 14 15 | 20 | Leather and leather products Wood and products of wood and cork (excl. furniture) | 4 15 | - | 0 | 5 | |
| 16 | 21.1 | Pulp, paper and paperboard | 3 | | 0 | 1 | 0 |
| 17 | 21.2 | Articles of paper and paperboard | 4 | 0 | | 1 | 1 |
| 18 | 22.1 | Books, newspapers and other printed matter and recorded media | 2 | | | 1 | |
| 19 | 22.2 - 22.3 | Printing services; reproduction services of recorded media | 6 | 1 | 0 | 3 | |
| 20 21 | 23 24.4 | Coke, refined petroleum products Pharmaceuticals | 157 56 | | 1 | 4 | |
| 22 | 24.4 24 (ohne 24.4) | Chemicals (excl. pharmaceuticals) | 540 | | 0 | 16 | 1 |
| 23 | 25.1 | Rubber products | 18 | | | 13 | |
| 24 | 25.2 | Plastic products | 16 | | | 7 | 0 |
| 25 | 26.1 | Glass and glass products | 32 | | | 4 | |
| 26 27 | 26.2 - 26.8 27.1 27.3 | Othernon metallic mineral products (excl. glass and glass products) | 42 5 | | | 6 24 | |
| 27 | 27.1 27.3 | Basic iron, steel, tubes and semifinished products thereof Nonferrous metals and semifinished products thereof | 1 | 1 | | 24 | |
| 29 | 27.5 | Foundry work services | 10 | | | 1 | |
| 30 | 28 | Fabricated metal products | 50 | 7 | 1 | 76 | |
| 31 | 29 | Machinery and equipment | 149 | 14 | 0 | 179 | |
| 32 33 | 30 31 | Office machinery and computers | 1 | 1 | | 0 | |
| 33 34 | 31 | Electrical machinery and apparatus nec Radio, television and communication equipment and apparatus | 10 | 1 | | 1 | 3 |
| 35 | 33 | Medical, precision and optical instruments; watches and clocks | 0 | | | | 0 |
| 36 | 34 | Motorvehicles | 34 | 1 | | 5 | |
| 37 | 35 | Other transport equipment | | | | | |
| 38 39 | 36 37 | Rumiture; other manufactured goods | 0 | | | | |
| 39 40 | 40.1.40.3 | Secondary naw materials Electricity, steam and hot water; production and distr: services thereof | 71 | 1 | 1 | 49 | 5 |
| 41 | 40.2 | Manufactured gas, distr: services of gaseous fuels through mains | 6 | | | 2 | |
| 42 | 41 | Collected and purified water; distribution of water | 36 | | 0 | | |
| 43 | 45.1 - 45.2 | Site preparation work, building construction and civil engineering | 14 | | 0 | | |
| 44 45 | 45.3 - 45.5 50 | Building installation and completion works | 14 51 | 2 | 0 | 9 1 | 0 |
| 46 | 51 | Vehicles: trade, maint. and repairserv.; retail trade of automotive fuels Wholesale trade (excl. vehicles) | 274 | | 3 | | |
| 47 | 52 | Retail trade (excl. vehicles) | 9 | 1 | 1 | 3 | 0 |
| 48 | 55 | Hotel and restamant services | 1 | 0 | 0 | | |
| 49 50 | 60.1 | Railway transportation services | 0 | | | 0 | - |
| 50 51 | 60.2 - 60.3 61 | Other land transportation services and transp. services via pipelines Water transport services | 11 | 2 | 3 | - | 3 0 |
| 52 | 62 | water transport services Air transport services | 3 | | 5 | 1 | |
| 53 | 63 | Supporting and auxiliary transport services | 3 | 0 | 0 | | |
| 54 | 64 | Post and telecommunication services | 7 | | | 3 | |
| 55 56 | 65 66 | Enancial intermediation services | 120 41 | | 0 | | |
| 56 57 | 67 | Insurance services, except compulsory social security services Services auxiliary to financial intermediation | 41 | 1 | 0 | 2 | 2 |
| 58 | 70 | Real estate services | 38 | 2 | 0 | 28 | 5 |
| 59 | 71 | Renting services of machinery and eq. (without personal services) | 265 | | | 7 | |
| 60 | 72 | Computer and related services | 1 | 0 | | 0 | 1 |
| 61 62 | 73 74 | Research and development services Other business services | 336 | 19 | 0 | 30 | 41 |
| 62 63 | 74 75.1 - 75.2 | Other business services Administation services of the state, defence services | 13 | | 0 | | |
| 64 | 75.3 | Compulsory social security services | | - | Ū | 0 | 5 |
| 65 | 80 | Education services | 5 | | 0 | 0 | 1 |
| 66 67 | 85 | Health and social work services | 55 | | - | | |
| 67 68 | 90 91 | Sewage and refuse disposal services, sanitation | 29 7 | | 0 | | |
| 69 | 91 92 | Membership organization services nec Recreational, cultural and sporting services | | 0 | 0 | 4 | 0 |
| 70 | 93 | Otherservices | 7 | 0 | | 2 | 1 |
| 71 | 95 | Services of private households | | | | | |
| 72 | 1 | Intermediate production of sectors (column 1 to 71) or | 1 | | | | |
| 12 | | Final use of goods (column 73 to 81) | 3883 | 179 | 27 | 589 | 165 |

| No. CPA Decay Decay <thdecay< th=""> <thdecay< th=""> Decay</thdecay<></thdecay<> | | | \sim | | | | | |
|---|-----|-------------|--|------|------------|------------|-------|-----------|
| No. CDA No. CDA No. CDA No. CDA No. CDA No. CDA No. No. CDA No. No. <th></th> <th></th> <th></th> <th>and</th> <th>Metal oues</th> <th>nining and</th> <th></th> <th>Beverages</th> | | | | and | Metal oues | nining and | | Beverages |
| No. CPA Lts 18 14 14.1.1.6.8 15.9 38 2 0.0 Points and service of fonsity and leggins 2 2 38 2 0.0 Related of softing points 2 2 38 4 0.0 Related of softing points 2 | | | suppy | ores | | products | | |
| No. CPA Lts 18 14 14.1.1.6.8 15.9 38 2 0.0 Points and service of fonsity and leggins 2 2 38 2 0.0 Related of softing points 2 2 38 4 0.0 Related of softing points 2 | | | No | 6 | 7 | 8 | 9 | 10 |
| 1 0.1 Apkablatic products of landing. 2 233 36 2 0.0 Deck stand products of landing. 2 2 2 2 2 3 0.0 Deck stand products of landing. 2 <th>No.</th> <th>CPA</th> <th></th> <th>-</th> <th></th> <th></th> <th>-</th> <th>-</th> | No. | CPA | | - | | | - | - |
| 2 0.2 Polasts and screeks of family and legging 2 2 1 Call and legging part 2 2 2 2 1 Call and legging part 2 2 2 2 1 Call and legging part 3 4 4 2 2 1 Had and information family products 5 1 3 4 1 Had and moders 5 1 3 4 1 Had and moders 6 1 3 4 1 Had and moders 6 1 3 4 1 Had and moders 6 1 3 | | 01 | Agricultural moducts and moducts of hunting | | 10 | | | |
| 10 Coal and lights product 2 0 11 Curke on structure services flowed 2 2 12 Unders and flowing each services flowed 4 3 15.1 - 15.8 Rear products 4 4 15.1 - 15.8 Rear products 0 3 16 Total and products of services flowed 0 1 17 Total and products of services flowed 1 2 1 18 Total and products of services flowed 1 2 1 18 Total and products of services flowed 1 2 1 19 Understand backgrowthese products and serviced andia 2 3 1 22.2 Addies of services and services flowed 2 3 2 22.4 Addies of services and services flowed and services flowed 2 2 3 22.4 Addies of services and services flowed and serv | | | | | | 2 | | |
| 5 11 Cash a start space face of the second sec | - | | Fish and other fishing products | | | | | _ |
| 12 Lindian and flatform one interval matching of the second s | | - | | | | | | |
| 13 Kata and service matrix 81 13 15.1-16.8 Body products 4888 241 11 Body products 5 1 12 Body products 5 1 13 Body products 5 1 14 Body products 5 1 15 Body products 5 1 14 Body products 1 1 15 Data of products 2 1 16 Construction products 2 1 | | | | | | 2 | 22 | 2 |
| 1 15.1-58 Hold products 38 315 1 15.3 Bereargie 38 315 1 15.3 Bereargie 5 31 1 15.3 Bereargie 5 1 1 16.3 Bereargie 5 1 1 Londer and loading products 1 1 2 10 Londer and loading products 1 1 2 10 Londer and loading products 2 1 3 2 2.1 Make grounder and loading products 2 3 3 2 2.2.1 Make grounder and loading products 2 3 3 2.2.2 Make grounder and loading products 2 3 3 3 2.2.1 Make grounder and loading products 3 4 2 3 3 2.2.2 Bake for and load products 3 3 3 4 2 3 2.1 2.7.7 Make for and loading | | | | | | | | |
| 9 15.1-15.8 Hood produces 241 10 Tabacco products 9 355 11 10 Tabacco products 9 355 11 10 Tabacco products 9 355 11 10 Tabacco products 1 1 11 Ladies rand konfer products 1 1 1 12 Atches of inject and product of vole and cont (cect. firmines) 4 30 355 12 Atches of inject and product of vole and cont (cect. firmines) 4 30 30 30 12 Atches of inject and product of vole and contact and scendel media 21 30 | | - | | | | 81 | 13 | |
| 1 Theory modests 0 2 0 12 14 10 Ladius 0 2 0 13 18 Keening capacit 0 2 0 14 19 Ladius of Accol and Coleck (Laminus) 4 1 1 15 20 Weet percent percentation of the action and the cole action action 4 3 2 393 393 393 393 394 394 394 394 39 393 393 < | 9 | 15.1 - 15.8 | | | | | 4886 | 241 |
| 12 17 Tender and Landre products 0 2 0 14 19 Leadner and Landre products 1 1 15 20 Wood and products of cover and excelled matter and second of madia 23 34 55 16 2.1 Articles of preservand prophesion and the product matter and second madia 23 34 55 17 2.2.2.2.2.3 Backs, secongarges and of prophesion matter and second madia 24 33 13 2.2.2.2.2.3 Code, ordered preductamy models in a second madia 22 28 18 18 2.2.4 Code, ordered preductamy models in a second madia 22 28 18 18 2.2.4 Code, ordered preductamy models in a second madia 22 28 18 14 2.2.4 Code, ordered preductamy models in a second madia 28 18 14 12 2.2.4 Reade products 18 14 12 28 2.7.1 Trans models in a second and second madia 18 14 16 2.7.5 Trans models in a second and second madia 18 14 16 | | | <i>a</i> | | | | 30 | 315 |
| 18 Under grouped 0 2 0 14 18 Under and leading requires of vocad and calc (see, f. and unes) 4 21 18 16 2.11 Mapper and paperhonal 8 34 5 12 Attlets of paper and paperhonal 21 30 22 88 18 12 Cale, refless of palaxium products 22 88 18 22 Cale, refless of palaxium products 21 28 81 24 Chenekcale (est. panetics 21 22 28 18 22 24 Chenekcale (est. panetics 21 22 22 22 21 22 22 22 22 22 22 22 22 23 22 22 24 20 24 20 24 20 26 22 24 20 26 22 28 28 28 28 28 28 28 28 28 28 28 28 28 </td <td></td> <td>-</td> <td>-</td> <td></td> <td></td> <td></td> <td>-</td> <td>4</td> | | - | - | | | | - | 4 |
| 19 Ionder and London's Groups Acts 1 15 20 Wood and code (see Laminamy) 4 21 1 16 21.1 Addee of paper and paperhood 23 32 32 17 21.2 Addee of paper and paperhood 23 32 33 33 34 32 32 32 32 32 32 32 32 32 <t< td=""><td></td><td></td><td></td><td></td><td></td><td>0</td><td></td><td></td></t<> | | | | | | 0 | | |
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| 111 Path, paper and papehond 6 34 55 17 22.1 Bolo, newspaces and other pathed matter and neonical media 1 10 33 18 22.2.2.3 Mathing services: graphonical matches and neonical media 4 32 10 22.2.2.2.3 Mathing services: graphonical matches and neonical media 21 22 20 10 22 22 24 22 20 22 24 20 22 24 22 24 22 24 22 26 27 36 36 14 26 36 36 15 27 37 36 36 31 20 36 36 32 36 36 36 36 36 36 36 36 37 36 36 | | | | | | 4 | 21 | 13 |
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| 19 22.2.22.3 historizes reproduction services of second-of media 4 32 10 20 2.3 (color, prices) periodization modules 3 22 88 18 21 2.4.4 Hamaccentrication 2 18 224 60 23 2.5.1 Babber ponducts 2 12 2 24 2.5.2 Babber ponducts 1 2.52 9 1 2.52 9 1 2.52 9 1 2.52 9 1 2.52 9 1 2.52 9 1 2.52 9 1 2.52 9 1 2.52 9 1 2.52 9 3 1 2.5 1 1 2.5 9 3 1 1 2.5 9 3 3 1< | | | | | | | | |
| 23 124 Characteriz periodic second and a | | | | | | | | |
| 21 24.4 Thermacreticab 3 2 22 24.00me244.0 Chene246.0 21.2 2 2 23 25.1 Rabber punchets 2 12.2 2 24 25.2 Reaker punchets 0 60 65 25.2 Reak punchets 0 7 1 26 26.2.28.0 Obternon neufilia interait punchets (excl. glass and glass punchets) 3 27.4 Naticenson section and semifinished punchets flaceod 8 14 2 37 27.1.27.3 Raticenson section and semifinished punchets flaceod 0 7 1 38 Raticel metal punchets flaceod 0 7 1 39 27.5 Raticel metal semifinished punchets flaceod 0 1 1 30 Mitchinery and capations metal 3 12 3 3 31 Beford metaline semifinished punchets 3 12 3 3 32 Office-intranscaline intranscaline capation 3 12 3 3 33 Beforintranscaline intranation semifinished punch | - | - | | | | | | |
| 22 24 (Unive 24.4) Chemicsh costs plasmacesticals) 18 224 25.1 23 25.1 Miker punches 1 25.2 26.0 25.2 Restic punches 0 6.00 655 26 25.1 Restic punches 0 6.00 655 27 27.1 27.2 27.2 27.2 27.2 27.2 27.2 27.2 27.2 27.2 27.2 27.2 27.2 27.2 27.2 27.2 27.2 27.2 27.2 27.2 27.3 27.2 27.3 27.2 27.3 27.2 27.2 27.3 27.2 27.3 27.3 27.3 27.3 27.3 27.3 27.3 27.3 27.3 27.3 | | | | | | 22 | | |
| 25.1 Nather-products 1 2.2 2.2 2.5 25.2 Riski products 0 0.0 0.6 25.2 Riski products 0 0.0 0.6 26.1 Glass and plays products 0 0.0 0.7 27.1 27.1 Risk two, steek, tables and semifished products fleered 0 7 1 27.2 Risk two, steek, tables and semifished products fleered 0 7 1 1 2 27.3 Roketawa steek, tables and semifished products fleered 0 1 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>18</td> <td></td> <td></td> | | | | | | 18 | | |
| 24 25.2 Pissic products 0 26.0 005.8 <t< td=""><td></td><td>```</td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | ``` | | | | | | |
| 262-26.0 Othermon sectific mineral products (excl. glose and glose products) 3 27 27.1-27.3 Saic ray, secti, tubes and scatification products theorof 0 7 1 28 27.4 Nonferrors unclos and scatification products theorof 0 7 1 29 27.5 Banka work services 0 1 6 13 22 30 28 Bahka edit metal products 18 141 63 139 22 31 28 Bahka edit metal products 2 9 3 31 28 Relike, technican machinery and comparison 2 9 3 32 30 Office machinery and comparison 4 9 1 33 Michical, precision and optical instaments, watches and cicks 3 12 3 34 32 Relike, technican and comparison 4 10 3 35 33 Michical precision and contrast and cocks 3 12 3 36 14 14 10 | 24 | 25.2 | | | | 1 | 252 | 96 |
| 27 27.1.27.3 marke transport secretion bear secretion bear secretion bear of the secret of the | | | Glass and glass products | | | | 60 | 65 |
| 28 27.4 Readiments metch and sensitiatized products theorem 0 7 1 29 27.5 Bundy wate sensitiatized products theorem 18 141 63 31 29 Machinery and explanaest 36 139 22 31 29 Machinery and explanaest 36 139 22 32 31 Becknard computers 2 9 33 34 31 Becknard computers 4 9 1 33 Mackarestand computers 3 12 3 34 32 Readiants and explainments 4 10 3 35 Other transport explanaest 4 10 3 36 Other transport explanaest 4 14 11 37 Sature of the small cost of an and | | | | | | | | |
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| 32 30 Office matchinery and engenesis not 4 9 1 33 31 Electrical matchinery and engenesis not 4 9 1 34 32 Radio, lecvision and optical instancents, watches and clocls 3 12 3 36 34 Mater vehicles 4 10 3 37 35 Other transport equipment 0 0 0 38 36 Mainter, other manufactured goods 0 0 0 39 37 Becicitaly storemand low toke; production and dists services theseof 43 194 29 41 40.1, 40.3 Becicitaly storemand low toke; production and cide explorencing 4 44 11 42 41 Colected and pusitien value; production and cide explorencing 4 15 44 43 45.1-45.2 Site preparation work, building construction and cide explorencing 1 112 12 44 45.1-45.2 Weikelse traids (excl. vehicles) 17 1003 91 47 5.2 Retain gravitation and copticitation and cide explorencing 3 12 | | | | | | | | |
| 34 32 Bellin, federation and optical instances is, watches and clocks 3 12 3 35 33 Medical, precision and optical instances; watches and clocks 4 10 3 36 34 Modrevelakies 4 10 3 37 35 Other transport equipment 0 0 0 38 36 Runkure; offers runnumfectured goods 0 0 0 39 37 Secondary now materials 4 44 11 40 40.1, 40.3 Bechnicky, steam and hot vater, production and offer equipments 4 44 41 40.2 Manufactured gas, dist services of gascous facts fluxogi nums 4 44 11 41 Colected and pusition and confiction and cole equipments 2 24 7 45 50 Vehicks: trade, numt, evice yread trade of antomotive facts 1 112 12 46 51 Wubescle trade (ext, vehicles) 1 112 12 47 52 Retal funct (ext, vehicles) 1 112 12 48 55 Hoid a | 32 | | | | | 2 | 9 | 3 |
| 33 Medical, precision and optical instruments; watches and clocks 3 12 33 36 34 Motor vehicles 4 10 33 36 34 Motor vehicles 0 0 0 37 35 Other transmitter under spont 0 0 0 0 38 60 Rumiture; other manufactured goods 43 194 29 40 40.1, 40.3 Beetricity, steam and hot vate; production and dist: services theorof 43 194 29 41 40.2 Manufactured good, water, distibution of vater 4 44 11 42 41 Collected and partified vater, distibution of vater 4 45 1 112 12 43 451-45.5 Builing: installation and coll engineering 4 15 4 44 45.3 - 45.5 Builing: installation and coll engineering 1 112 12 45 50 Vehicles: training construction and coll engineering 1 112 12 46 51 Wholesale trade (excl. vehicles) 1 112 12 <td></td> <td></td> <td>Electrical machinery and apparatus nec</td> <td></td> <td></td> <td>4</td> <td>9</td> <td>1</td> | | | Electrical machinery and apparatus nec | | | 4 | 9 | 1 |
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| 43 45.1 - 45.2 Site preparation work, building construction and civil engineering 4 15 4 44 45.3 - 45.5 Building installation and completion work 2 24 7 45 50 Vehicles: trade, main: an lepsin serve; setal trade of automotive files 7 29 5 46 51 Wholesade trade (excl. vehicles) 1 112 12 47 52 Retail trade (excl. vehicles) 1 112 12 48 60.1 Railvey transportation services 0 8 2 49 60.1 Railvey transportation services and transp. services via pipelines 30 153 18 51 61 Watertransport services 30 153 18 52 62 Airtransport services 30 153 18 53 63 Supporting and anxiliary transport services 30 161 16 25 54 64 Post and telecommunication services 2 300 19 54 64 Rest and telecommunication services 5 40 66 <tr< td=""><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td></tr<> | | | | | | - | | |
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| 5363Supporting and auxiliary transport services2300195464Post and telecommunication services43975565Hnancial intermediation services11161255666Insurance services, except compulsory social security services54065767Services auxiliary to financial intermediation77230485971Renting services of machinery and eq. (without personal services)29125386072Computer and related services1846173Research and development services104396375.1 - 75.2Administration services of the state, defence services104396475.3Computery social security services2036580Education services2036685Health and social work services2036790Sewage and reline disposal services, sanitation96856891Membership organization services nec21936992Recreational, cultural and spositing services41537093Other services41537195Services of private households7131372The services1713137195Services of priv | | | - | | | | | |
| 5464Pot and telecommunication services43975565Hnancial intermediation services11161255666Insurance services, except computsory social security services54065767Services auxiliary to financial intermediation7230485971Reating services of machinery and eq. (without personal services)29125386072Computer and related services1846173Research and development services8910643996375.1 - 75.2Administration services of the state, defence services104396475.3Computsory social security services206580Eduction services on the state, defence services206685Health and social work services206790Sewage and relise disposal services, sanitation96856891Membership organization services nec21936992Recreational, cultural and sporting services41537093Otherservices41537195Services of private households415372Total and social work (column 1 to 71) or4153 | | | - | | | | | |
| 5565Hnancial intermediation services11161255666Insurance services, except compulsory social security services54065767Services auxiliary to financial intermediation | 54 | 64 | | | | | | 7 |
| 5767Services aniliary to interference both of the true of services aniliary to interference both of the true of services aniliary to interference both of services17230485870Real estate services17230485971Renting services of machinery and eq. (without personal services)29125386072Computer and related services1846173Research and development services8910643996274Other business services of the state, defence services8910643996375.1 - 75.2Administation services of the state, defence services12036475.3Compulsory social security services206580Ethication services206685Health and social work services206790Sewage and refuse disposal services nec21936891Membership organization services nec21936992Recreational, cultural and sporting services41537093Other services41537195Services of private households7171072Intermediate production of sectors (column 1 to 71) orIntermediate production of sectors (column 1 to 71) or | | | | | | | | |
| 5870Real estate services17230485971Renting services of machinery and eq. (without personal services)29125386072Computer and related services1846173Research and development services1846274Other business services8910643996375.1 - 75.2Administation services of the state, defence services12036475.3Computsory social security services12036580Education services12036685Health and social work services206790Servage and refuse disposal services nec21936891Membership organization services nec21936992Recreational, cultural and sporting services41537093Other services41537195Services of private households415372Intermediate production of sectors (column 1 to 71) orIntermediate production of sectors (column 1 to 71) orIntermediate production of sectors (column 1 to 71) or | | | | | | 5 | 40 | 6 |
| 5971Renting services of machinery and eq. (without personal services)29125386072Computer and related services1846173Research and development services1846274Other business services8910643996375.1 - 75.2Administation services of the state, defence services104396475.3Computsory social security services12036580Education services12036685Health and social work services206790Sewage and refuse disposal services nec21206891Membership organization services nec21936992Recreational, cultural and sporting services41537093Other services of private households41537195Services of private households415372Termediate production of sectors (column 1 to 71) orTermediate production of sectors (column 1 to 71) orTermediate production of sectors (column 1 to 71) or | | | 5 | | | 47 | 220 | 40 |
| 6072Computer and related services1846173Research and development services1846274Otherbusiness services8910643996375.1 - 75.2Administation services of the state, defence services104396475.3Compulsory social security services12036580Education services12036685Health and social work services, sanitation96856891Membership organization services nec21936992Recreational, cultural and sporting services41537093Other services41537195Services of private households171) or71 | | | | | | | | |
| 6173Research and development services6274Other business services8910643996375.1 - 75.2Administation services of the state, defence services104396475.3Compulsory social security services12036580Education services206685Health and social work services, sanitation96856891Membership organization services nec2936992Recreational, cultural and sporting services81537093Other services41537195Services of private households7171071 | | | | | | | | |
| 6274Other business services8910643996375.1 - 75.2Administation services of the state, defence services104396475.3Compulsory social security services12036580Education services12036685Health and social work services, sanitation96856790Sewage and refuse disposal services, sanitation96856891Membership organization services nec21936992Recreational, cultural and sporting services41537093Other services41537195Services of private households | | | | | | | 5 | • |
| 6375.1 - 75.2Administation services of the state, defence services104396475.3Compulsory social security services <t< td=""><td>62</td><td>74</td><td></td><td></td><td></td><td></td><td></td><td>399</td></t<> | 62 | 74 | | | | | | 399 |
| 6580Education services12036685Health and social work services206790Sewage and refuse disposal services, sanitation96856891Membership organization services nec21936992Recreational, cultural and sporting services8157093Other services of private households41537195Services of private households415372Intermediate production of sectors (column 1 to 71) or555 | | | | | | 10 | 43 | 9 |
| 6685Health and social work services206790Sewage and refuse disposal services, sanitation96856891Membership organization services nec21936992Recreational, cultural and sporting services8157093Other services41537195Services of private households721172Intermediate production of sectors (column 1 to 71) or111 | | | | | | | 0.5 | ~ |
| 6790Sewage and refuse disposal services, sanitation96856891Membership organization services nec21936992Recreational, cultural and sporting services8157093Other services41537195Services of private households7211 | | | | | | 1 | | |
| 6891Membership organization services nec21936992Recreational, cultural and sporting services8157093Other services41537195Services of private households721172Intermediate production of sectors (column 1 to 71) or111 | | | | | | 0 | | |
| 6992Recreational, cultural and sporting services8157093Other services41537195Services of private households721172Intermediate production of sectors (column 1 to 71) or011 | | | | | | | | |
| 70 93 Otherservices 4 15 3 71 95 Services of private households 1 3 72 Intermediate production of sectors (column 1 to 71) or 0 | | | Recreational, cultural and sporting services | | | - | | |
| 71 95 Services of private households 72 Intermediate production of sectors (column 1 to 71) or | | | | | | 4 | | |
| | | 95 | Services of private households | | | | | |
| Hinal use of goods (column 73 to 81) 566 12570 1804 | 72 | | - | | | 500 | 40570 | 4004 |
| | 1 | I | Amai use of goods (column 73 to 81) | I | | 566 | 12570 | 1804 |

| | | Demand Supply | Tobacco products | Textiles | Wearing apparel | Leather and leather products | Wood and products of wood and cork (excl. furniture) |
|----------|----------------------------|---|---------------------|-----------------|--------------------|------------------------------------|--|
| NI- | 0.04 | No. CPA | 11 | 12 | 13 | 14 | 15 |
| No. 1 | CPA 01 | Agricultural products and products of hunting | 16 34 | 17 16 | 18 | 19 | 20 |
| 2 | 02 | Products and services of forestry and logging | | | | | 137 |
| 3 | 05 | Hish and other fishing products | | | | | |
| 4 | 10 | Coal and lignite; peat | 0 | 1 | | 0 | |
| 5 6 | 11 12 | Crude oil, natural gas, extraction services thereof | 0 | 3 | 0 | 0 | 2 |
| 7 | 12 | Uranium and thorium ores Metal ores | | | | | |
| 8 | 14 | Othermining and quanying products | | | | | |
| 9 | 15.1 - 15.8 | Food products | 0 | 3 | | 4 | |
| 10 | 15.9 | Beverages | | | | | |
| 11 | 16 | Tobacco products | 20 | | | | |
| 12 | 17 | Textiles | 0 | 564 | 458 | 7 | 1 |
| 13 14 | 18 19 | Wearing apparel | | 0 | 347 | 164 | |
| 15 | 20 | Leather and leather products Wood and products of wood and cork (excl. furniture) | 5 | 2 | 1 | 2 | |
| 16 | 21.1 | Pulp, paper and paperboard | 5 | 7 | 4 | | |
| 17 | 21.2 | Articles of paper and paperboard | 46 | 27 | 14 | 20 | 8 |
| 18 | 22.1 | Books, newspapers and other printed matter and recorded media | 3 | 2 | 3 | | |
| 19 | 22.2 - 22.3 | Printing services; reproduction services of recorded media | 2 | 14 | 17 | | |
| 20 | 23 | Coke, refined petroleum products | 2 | 7 | 4 | 2 | 24 |
| 21 22 | 24.4 24 (ohne 24.4) | Phannaceuticals Chamicala (and mhannaceuticala) | 6 | 477 | 23 | 52 | 398 |
| 23 | 24 (01116 24.4) | Chemicals (excl. pharmaceuticals) Rubber products | 0 | 2 | 11 | | |
| 24 | 25.2 | Plastic products | 5 | 17 | 8 | | |
| 25 | 26.1 | Glass and glass products | | | 0 | | 68 |
| 26 | 26.2 - 26.8 | Othernon-metallic mineral products (excl. glass and glass products) | | 35 | 0 | 1 | |
| 27 | 27.1 27.3 | Basic iron, steel, tubes and semifinished products thereof | | | | | 6 |
| 28 29 | 27.4 27.5 | Nonfenous metals and semifinished products thereof | 1 | | 1 | | |
| 29 30 | 27.5 | Foundry work services Fabricated metal products | 1 | 6 | 16 | 9 | 46 |
| 31 | 29 | Machinery and equipment | 6 | 44 | 9 | | |
| 32 | 30 | Office machinery and computers | 0 | 1 | 1 | | 5 |
| 33 | 31 | Electrical machinery and apparatus nec | 0 | 3 | 2 | 0 | 1 |
| 34 | 32 | Radio, television and communication equipment and apparatus | | | | | |
| 35 36 | 33 34 | Medical, precision and optical instruments; watches and clocks | | | 0 | | 2 |
| 30 | 35 | Motor vehicles Otherstansmost continuent | | | | | 2 |
| 38 | 36 | Othertzansport equipment Rumiture; othermanufactured goods | | 0 | 6 | | 1 |
| 39 | 37 | Secondary raw materials | | 3 | | | |
| 40 | 40.1, 40.3 | Electricity, steam and hot water; production and distr: services thereof | 4 | 50 | 12 | 5 | |
| 41 | 40.2 | Manufactured gas, distr. services of gaseous fuels through mains | 1 | 9 | 1 | | 4 |
| 42 | 41 | Collected and purified water; distribution of water | 0 | 4 | 1 | 0 | |
| 43 44 | 45.1 - 45.2 45.3 - 45.5 | Site preparation work, building construction and civil engineering | 0 | 2 4 | 3 | 0 1 | |
| 45 | 40.0 - 40.0 | Building installation and completion works Vehicles: trade, maint. and repairserv.; retail trade of automotive fuels | 1 | 2 | 1 | | |
| 46 | 51 | Wholesale trade (excl. vehicles) | 14 | 79 | 105 | | |
| 47 | 52 | Retail trade (excl. vehicles) | 1 | 9 | 27 | 9 | 19 |
| 48 | 55 | Hotel and restaurant services | 0 | 2 | 1 | | - |
| 49 50 | 60.1 | Railway transportation services | | 0 | 0 | | 0 |
| 50 51 | 60.2 - 60.3 61 | Other land transportation services and transp. services via pipelines | 3 | 4 | 2 1 | | |
| 51 | 62 | Water transport services Air transport services | 4 | 7 | 2 | | |
| 53 | 63 | Supporting and auxiliary transport services | | 5 | 1 | | |
| 54 | 64 | Post and telecommunication services | 1 | 7 | 4 | 1 | 9 |
| 55 | 65 | Financial intermediation services | 6 | 16 | 7 | | |
| 56 | 66 | Insurance services, except compulsory social security services | 2 | 1 | 1 | 0 | 14 |
| 57 58 | 67 70 | Services auxiliary to financial intermediation | 8 | 27 | 11 | 2 | 42 |
| 58 59 | 70 | Real estate services | ° 2 | 3 | 2 | | |
| 60 | 72 | Renting services of machinery and eq. (without personal services) Computer and related services | 1 | 1 | 1 | | |
| 61 | 73 | Research and development services | l . | | | 0 | Ũ |
| 62 | 74 | Other business services | 115 | 73 | 34 | | |
| 63 | 75.1 - 75.2 | Administation services of the state, defence services | 4 | 3 | 2 | 2 | 9 |
| 64 | 75.3 | Compulsory social security services | . | - | | | |
| 65 66 | 80 | Education services | 1 | 2 | 1 | 1 | 4 |
| 66 67 | 85 90 | Health and social work services | 0 | 2 | 1 | 1 | 11 |
| 67 68 | 90 91 | Sewage and refuse disposal services, sanitation Monthership optimization somicos noc | 0 | 2 | 1 | | |
| 69 | 92 | Membership organization services nec Recreational, cultural and sporting services | 9 | 5 | | 0 | 2 |
| 70 | 93 | Otherservices | 1 | 1 | 1 | 0 | 10 |
| 71 | 95 | Services of private households | | | | | |
| 72 | | Intermediate production of sectors (column 1 to 71) or | l | . = . | | | |
| | 1 | Final use of goods (column 73 to 81) | 316 | 1548 | 1151 | 348 | 2553 |

| | | Demand Supply | Pulp, paper and paperboard | paper and paperboard | Books, newspaper s and other printed matter and <u>necoded</u> | n services of recorded media | Coke, refined petroleum products |
|----------|------------------------|--|----------------------------------|-------------------------|---|------------------------------------|---|
| No. | СРА | No. CPA | 16 91 1 | 17 91 9 | 18 99.1 | 19 99 9 99 9 | 20 |
| 1 | 01 | Agricultural products and products of hunting | 21.1 | 21.2 | 22.1 | 22.2 - 22.3 | 23 |
| 2 | 02 | Agnetitutian produces and produces of humaning Products and services of forestry and logging | 35 | | | | |
| 3 | 05 | Hish and other fishing products | | | | | |
| 4 | 10 | Coal and lignite; peat | 3 | 0 | _ | | 25 |
| 5 6 | 11 12 | Crude oil, natural gas, extraction services thereof | 17 | 2 | 0 | 2 | 1752 |
| 6 7 | 12 | Uranium and thorium ores Metal ores | | | | | |
| 8 | 14 | Othernining and quarying products | 2 | | | | 0 |
| 9 | 15.1 - 15.8 | Food products | | | | | |
| 10 | 15.9 | Beverages | | | | | |
| 11 | 16 | Tobacco products | | 0 | 0 | 0 | 0 |
| 12 13 | 17 18 | Textiles | | 3 | 0 | 0 | 0 |
| 13 | 19 | Wearing apparel Leather and leather products | | | | | 0 |
| 15 | 20 | Wood and products of wood and cork (excl. furniture) | 41 | 3 | | 1 | Ŭ |
| 16 | 21.1 | Pulo, naperand naperboard | 927 | 822 | 40 | 628 | 0 |
| 17 | 21.2 | Articles of paper and paperboard | 20 | 552 | 3 | 36 | 0 |
| 18 | 22.1 | Books, newspapers and other printed matter and recorded media | 1 | 1 | 213 | | 3 |
| 19 | 22.2 - 22.3 | Printing services; reproduction services of recorded media | 5 | 51 | 624 | 651 | 2120 |
| 20 21 | 23 24.4 | Coke, refined petroleum products Pharmaceuticals | 10 | 6 | 15 | 6 | 2139 |
| 22 | 24.4 24 (ohne 24.4) | Phannaceuucais Chemicals (excl. phannaceuticals) | 243 | 81 | 10 | 135 | 34 |
| 23 | 25.1 | Rubbermoducts | 0 | 0 | | 0 | 3 |
| 24 | 25.2 | Plastic products | 15 | 113 | 0 | 12 | 5 |
| 25 | 26.1 | Glass and glass products | 8 | | | | |
| 26 | 26.2 - 26.8 | Othernon-metallic mineral products (excl. glass and glass products) | | - | | | 1 |
| 27 28 | 27.1 27.3 27.4 | Basic iron, steel, tubes and semifinished products thereof | 0 | 7 9 | | 2 | 1 |
| 20 | 27.4 | Nonfenous metals and semifinished products thereof Foundry workservices | 0 | 9 | | 2 | |
| 30 | 28 | Fabricated metal products | 6 | 8 | 3 | | 42 |
| 31 | 29 | Machinery and equipment | 28 | 22 | 1 | 56 | 23 |
| 32 | 30 | Office machinery and computers | 2 | 1 | 3 | | 2 |
| 33 | 31 | Electrical machinery and apparatus nec | 3 | 3 | 1 | - | 3 |
| 34 35 | 32 33 | Radio, television and communication equipment and apparatus | 2 | 2 | | 4 | 6 |
| 36 | 33 | Medical, precision and optical instruments; watches and clocks Motor vehicles | 3 | 2 | | 0 | 3 |
| 37 | 35 | Other transport equipment | Ŭ | | | | 0 |
| 38 | 36 | Funiture; other manufactured goods | 0 | 0 | 0 | 0 | 0 |
| 39 | 37 | Secondary raw materials | 94 | | | | |
| 40 | 40.1, 40.3 | Electricity, steam and hot water; production and distr: services thereof | 110 | 24 | 13 | | 28 |
| 41 42 | 40.2 41 | Manufactured gas, distr: services of gaseous fuels through mains | 29 17 | 11 4 | 1 | | 10 3 |
| 42 | 41 45.1 - 45.2 | Collected and purified water, distribution of water | 2 | 4 | 4 | 4 | 5 |
| 44 | 45.3 - 45.5 | Site preparation work, building construction and civil engineering Building installation and completion works | 4 | 4 | 8 | | 4 |
| 45 | 50 | Vehicles: trade, maint. and repair serv.; retail trade of automotive fuels | 3 | 4 | 7 | | 2 |
| 46 | 51 | Wholesale trade (excl. vehicles) | 107 | 46 | 37 | | 13 |
| 47 | 52 | Retail trade (excl. vehicles) | 16 | 6 | 9 | | 2 |
| 48 | 55 | Hotel and restaurant services | 1 | 1 | 17 | | 1 |
| 49 50 | 60.1 60.2 - 60.3 | Railway transportation services Other level transportation corriges and transport corriges via via bios | 1 51 | 0 17 | 0 48 | | 1 113 |
| 51 | 61 | Other land transportation services and transp. services via pipelines Water transport services | 1 | 0 | -+0 | + | 7 |
| 52 | 62 | Air transport services | 9 | 5 | 20 | 5 | 8 |
| 53 | 63 | Supporting and auxiliary transport services | 2 | 0 | | 2 | 5 |
| 54 | 64 | Post and telecommunication services | 5 | 12 | | | 16 |
| 55 56 | 65 | Financial intermediation services | 17 | 17 | | | 52 |
| 56 57 | 66 67 | Insurance services, except compulsory social security services | 7 | 7 | 12 | 12 | 6 |
| 58 | 70 | Services auxiliary to financial intermediation Real estate services | 17 | 35 | 71 | 81 | 21 |
| 59 | 71 | Renting services of machinery and eq. (without personal services) | 15 | 37 | 34 | | 8 |
| 60 | 72 | Computer and related services | 1 | 5 | 52 | | 4 |
| 61 | 73 | Research and development services | | | | | |
| 62 | 74 75 1 75 2 | Otherbusiness services | 87 | 93 | 579 | | 174 |
| 63 64 | 75.1 - 75.2 75.3 | Administation services of the state, defence services | 6 | 7 | 6 | 8 | 7 |
| 65 | 75.5 80 | Compulsory social security services Education services | 1 | 1 | 4 | 2 | 7 |
| 66 | 85 | Huicauon services Health and social work services | I ' | | - | 2 | , |
| 67 | 90 | Sewage and refuse disposal services, sanitation | 44 | 20 | 2 | 3 | 2 |
| 68 | 91 | Membership organization services nec | 1 | 2 | 5 | | 6 |
| 69 | 92 | Recreational, cultural and sporting services | | | 262 | | |
| 70 71 | 93 | Otherservices | 1 | 3 | 2 | 10 | 1 |
| 71 72 | 95 | Services of private households Intermediate wordparties of context (column 1 to 71) or | | | | | |
| 12 | | Intermediate production of sectors (column 1 to 71) or Final use of goods (column 73 to 81) | 2020 | 2051 | 2261 | 2152 | 4551 |
| I | I | Final use of goods (column 73 to 81) | 2020 | 2051 | 2261 | 2152 | 4 |

| | | \sim | | | | | |
|----------|--------------------------|---|---------------------|---------------------------------|--------------------|---------------------|--------------------------------|
| | | Demand | Phannaceu ticals | Chemicals (excl. phamaceu | Rubber products | Plastic products | Glass and glass products |
| | | Supply | | ticals) | _ | - | products |
| | | No. | 21 | 22 | 23 | 24 | 25 |
| No. | CPA | СРА | 24.4 | /4 (ohne 24. 4 | 25.1 | 25.2 | 26.1 |
| 1 | 01 | Agricultural products and products of hunting | | 3 | 21 | | |
| 2 3 | 02 05 | Products and services of forestry and logging Hish and other fishing products | | 0 | | | |
| 4 | 10 | Coal and lignite; peat | 0 | 3 | | 0 | 0 |
| 5 | 11 | Crude oil, natural gas, extraction services thereof | 3 | 75 | 2 | 6 | 10 |
| 6 7 | 12 13 | Uranium and thorium ores | | 1 | | | 1 |
| 8 | 13 | Metal ores Othermining and quanying products | | 95 | | | 12 |
| 9 | 15.1 - 15.8 | Food products | 48 | | | | |
| 10 | 15.9 | Beverages | 4 | - 22 | | | |
| 11 12 | 16 17 | Tobacco products | 18 | 6 | 81 | 11 | 1 |
| 12 | 18 | Textiles Wearing apparel | | , 0 1 | 01 | | |
| 14 | 19 | Leather and leather products | | | | | |
| 15 | 20 | Wood and products of wood and cork (excl. furniture) | 1 | | 1 | 8 | 5 |
| 16 17 | 21.1 21.2 | Pulp, paper and paperboard | 1 53 | | 5 18 | 5 43 | 3 18 |
| 18 | 22.1 | Articles of paperand paperboard Books, newspapers and otherprinted matter and recorded media | 1 | | 10 | 43 | 10 |
| 19 | 22.2 - 22.3 | Printing services; reproduction services of recorded media | 8 | 33 | 8 | 17 | 2 |
| 20 | 23 | Coke, refined petroleum products | 13 | | 4 | 261 | 21 |
| 21 22 | 24.4 24 (ohne 24.4) | Pharmaceuticals Chemicals (excl. pharmaceuticals) | 710 554 | | 406 | 2207 | 48 |
| 23 | 25.1 | Rubber products | 1 | | 113 | 0 | 3 |
| 24 | 25.2 | Plastic products | 67 | | 9 | 1201 | 25 |
| 25 | 26.1 | Glass and glass products | 10 | | | 50 | 199 |
| 26 27 | 26.2 - 26.8 27.1 27.3 | Othernon-metallic mineral products (excl. glass and glass products) Basic iron, steel, tubes and semifinished products thereof | 1 | | 20 | 4 | 8 |
| 28 | 27.4 | Nonfenous metals and semifinished products thereof | 4 | | 0 | 30 | 2 |
| 29 | 27.5 | Foundry work services | | | 0 | 4 | 2 |
| 30 31 | 28 29 | Rabicated metal products | 42 | | 17 111 | 72 103 | 5 30 |
| 31 | 29 30 | Machinery and equipment Office machinery and computers | 7 | | 111 | 103 | 30 |
| 33 | 31 | Electrical machinery and apparatus nec | 2 | | 3 | 5 | 1 |
| 34 | 32 | Radio, television and communication equipment and apparatus | | | | | |
| 35 36 | 33 34 | Medical, precision and optical instruments; watches and clocks | 13 4 | | | 12 0 | 7 |
| 30 | 34 | Motor vehicles Other transport equipment | - | . 15 | | 0 | ' |
| 38 | 36 | Funiture; other manufactured goods | 0 | 1 | 0 | 2 | 0 |
| 39 | 37 | Secondary raw materials | | 12 | 18 | 29 | 15 |
| 40 41 | 40.1, 40.3 40.2 | Electricity, steam and hot water, production and distr. services thereof | 21 3 | | 26 4 | 104 9 | 28 18 |
| 42 | 41 | Manufactured gas, distr: services of gaseous fuels through mains Collected and purified water; distribution of water | 3 | | 3 | 6 | 4 |
| 43 | 45.1 - 45.2 | Site preparation work, building construction and civil engineering | 6 | | 2 | 5 | 2 |
| 44 45 | 45.3 - 45.5 50 | Building installation and completion works | 11 3 | | 3 2 | 7 5 | 2 1 |
| 45 | 50 | Vehicles: trade, maint. and repairserv.; retail trade of automotive fuels Wholesale trade (excl. vehicles) | 31 | | 76 | 81 | 69 |
| 47 | 52 | Retail trade (excl. vehicles) | 10 | | 7 | 7 | 7 |
| 48 | 55 | Hotel and restamant services | 2 | | 0 | 15 | 1 |
| 49 50 | 60.1 60.2 - 60.3 | Railway transportation services | 03 | | 19 | 0 45 | 4 |
| 51 | 61 | Other land transportation services and transp. services via pipelines Water transport services | | 33 | 19 | 43 | - |
| 52 | 62 | Airtransport services | 13 | 48 | 3 | 20 | 3 |
| 53 54 | 63 64 | Supporting and auxiliary transport services | 6 | | 12 | 25 25 | 2 |
| 54 55 | 64 65 | Post and telecommunication services Financial intermediation services | 18 28 | | 6 12 | 35 57 | 5 12 |
| 56 | 66 | Insurance antenneoration services Insurance services, except compulsory social security services | 7 | | 5 | 25 | 3 |
| 57 | 67 | Services auxiliary to financial intermediation | | 12 | | | |
| 58 50 | 70 71 | Real estate services | 41 39 | | 23 21 | 71 67 | 12 8 |
| 59 60 | 71 | Renting services of machinery and eq. (without personal services) Computer and related services | 26 | | 1 | 14 | o 4 |
| 61 | 73 | Research and development services | 335 | | 2 | 35 | 1 |
| 62 | 74 | Otherbusiness services | 260 | | 72 | 374 | 94 |
| 63 64 | 75.1 - 75.2 75.3 | Administration services of the state, defence services | 10 | 61 | 3 | 23 | 3 |
| 65 | 80 | Compulsory social security services Education services | 4 | 28 | 1 | 7 | 1 |
| 66 | 85 | Health and social work services | | 11 | | 3 | |
| 67 | 90 | Sewage and refuse disposal services, sanitation | 6 | | 2 | 13 | 1 |
| 68 69 | 91 92 | Membership organization services nec Decentional cultural and sporting convices | 3 5 | | 2 | 4 | 2 |
| 70 | 93 | Recreational, cultural and sporting services Other services | 5 | | 1 | 2 | 0 |
| 71 | 95 | Services of private households | | | | | |
| 72 | | Intermediate production of sectors (column 1 to 71) or | 0474 | 00040 | A A A 7 | EAEO | 700 |
| 1 | l | Final use of goods (column 73 to 81) | 2471 | 20640 | 1147 | 5150 | 706 |
| | | | | | | | |

| | | Demand | Othernon- metallic | <i>,</i> | Nonfenous | | |
|----------|---------------------|--|-----------------------|---------------------|-------------|----------|-------------|
| | | | metainc mineral | steel, tubes and | metals and | Foundry | Fabricated |
| | | | products | semifinishe | semifinishe | work | metal |
| | | Supply | (excl. glass | | d products | services | products |
| | | | and dass | thereof | thereof | | |
| NIE | 0.04 | No. | . 26 | 27 | 28 | 29 | 30 |
| No. 1 | CPA 01 | | 26.2 - 26.8 | 27.1 - 27.3 | 27.4 | 27.5 | 28 |
| 2 | 02 | Agricultural products and products of hunting Products and services of forestry and logging | | | | | |
| 3 | 05 | Fish and other fishing products | | | | | |
| 4 | 10 | Coal and lignite; peat | 5 | | | 0 | |
| 5 | 11 | Crude oil, natural gas, extraction services thereof | 16 | 36 | 7 | 4 | 14 |
| 6 7 | 12 13 | Uranium and thorium ores Metal ores | | 102 | 73 | 5 | 0 |
| 8 | 14 | Othermining and quanying products | 109 | | 10 | 4 | 1 |
| 9 | 15.1 - 15.8 | Food products | | | | | |
| 10 | 15.9 | Beverages | | | | | |
| 11 | 16 | Tobacco products | | 0 | 0 | 0 | 0 |
| 12 13 | 17 18 | Textiles | | 0 2 | | 0 | 9 |
| 13 | 19 | Wearing apparel Leather and leather products | 1 | 2 | | 2 | 6 |
| 15 | 20 | Wood and products of wood and cork (excl. furniture) | 11 | 9 | 3 | 4 | 61 |
| 16 | 21.1 | Pulp, paper and paperboard | 8 | | 3 | 3 | 25 |
| 17 | 21.2 | Articles of paper and paperboard | 14 | | 1 | 1 | 49 |
| 18 19 | 22.1 22.2 - 22.3 | Books, newspapers and other printed matter and recorded media | 27 | | 3 8 | 2 | 8 30 |
| 20 | 22.2 - 22.3 23 | Printing services; reproduction services of recorded media Coke, refined petroleum products | 40 | | 8 12 | б 18 | 30 44 |
| 20 | 24.4 | Coke, renned penoleum pioducus Phannaceuticals | 40 | -00 | 12 | 10 | |
| 22 | 24 (ohne 24.4) | Chemicals (excl. phannaceuticals) | 181 | 95 | 552 | 129 | 260 |
| 23 | 25.1 | Rubberproducts | 1 | 5 | 0 | 3 | 39 |
| 24 25 | 25.2 26.1 | Plastic products | 30 1 | 7 | 3 | 2 | 142 71 |
| 25 26 | 26.2 - 26.8 | Glass and glass products Othernon-metallic mineral products (excl. glass and glass products) | 615 | | 6 | 51 | 37 |
| 27 | 27.1 27.3 | Basic iron, steel, tubes and semifinished products thereof | 3 | | 1 | 63 | 2088 |
| 28 | 27.4 | Nonferrous metals and semifinished products thereof | 3 | | 2391 | 587 | 833 |
| 29 | 27.5 | Foundry work services | 3 | | | 70 | 195 |
| 30 31 | 28 29 | Fabricated metal products | 23 98 | | 22 85 | 40 59 | 3260 468 |
| 32 | 30 | Machinery and equipment Office machinery and computers | 90 5 | | | | 400 |
| 33 | 31 | Electrical machinery and apparatus nec | 3 | | | 16 | 58 |
| 34 | 32 | Radio, television and communication equipment and apparatus | | | | | |
| 35 | 33 | Medical, precision and optical instruments; watches and clocks | 3 | | | 6 | 35 |
| 36 37 | 34 35 | Motorvehicles | 20 | 22 1 | 14 | | 1 |
| 38 | 36 | Othertransport equipment Rumiture; othermanufactured goods | 0 | - | 0 | 0 | 9 |
| 39 | 37 | Secondary raw materials | 12 | 159 | 79 | 8 | |
| 40 | 40.1, 40.3 | Electricity, steam and hot water; production and distr: services thereof | 86 | | 72 | 40 | 179 |
| 41 42 | 40.2 41 | Manufactured gas, distr: services of gaseous fuels through mains | 32 11 | 69 19 | 8 5 | 8 | 27 24 |
| 42 | 41 45.1 - 45.2 | Collected and purified water, distribution of water | 3 | | 5 | 3 | 24 |
| 44 | 45.3 - 45.5 | Site preparation work, building construction and civil engineering Building installation and completion works | 20 | | 3 | 5 | 19 |
| 45 | 50 | Vehicles: trade, maint. and repair serv.; retail trade of automotive fuels | 15 | | 4 | 2 | |
| 46 | 51 | Wholesale trade (excl. vehicles) | 197 | | | 92 | |
| 47 48 | 52 55 | Retail trade (excl. vehicles) | 4 | | | 3 | 33 24 |
| 48 49 | 55 60.1 | Hotel and restamant services Railway transportation services | 2 | د 55 | | I | 24 1 |
| 50 | 60.2 - 60.3 | Other land transportation services and transp. services via pipelines | 143 | | | 6 | 44 |
| 51 | 61 | Water transport services | 1 | | 3 | 1 | 9 |
| 52 | 62 | Air transport services | 8 | | | 4 | |
| 53 54 | 63 64 | Supporting and auxiliary transport services Post and telecommunication services | 30 15 | | | 5 7 | 18 72 |
| 55 | 65 | Post and telecommunication services Financial intermediation services | 33 | | | 15 | 123 |
| 56 | 66 | Insurance services, except compulsory social security services | 13 | | | 3 | |
| 57 | 67 | Services auxiliary to financial intermediation | | - | | | |
| 58 59 | 70 71 | Real estate services | 48 65 | | | 12 14 | |
| 59 60 | 71 | Renting services of machinery and eq. (without personal services) Computer and related services | 60 7 | | | 9 | 76 |
| 61 | 73 | Computer and related services Research and development services | 8 | | | 5 | 1 |
| 62 | 74 | Otherbusiness services | 210 | | | 71 | 404 |
| 63 | 75.1 - 75.2 | Administation services of the state, defence services | 19 | 14 | 3 | 5 | 27 |
| 64 65 | 75.3 80 | Compulsory social security services | 4 | 8 | 4 | 2 | 15 |
| 65 66 | 80 85 | Education services Health and social work services | 4 | 8 | 4 | 2 | 15 |
| 67 | 90 | Sewage and refuse disposal services, sanitation | 10 | 17 | 34 | 9 | 26 |
| 68 | 91 | Membership organization services nec | 4 | | | 1 | |
| 69 | 92 | Recreational, cultural and sporting services | | | | | |
| 70 71 | 93 95 | Otherservices | 5 | 11 | 2 | 2 | 11 |
| 71 | 30 | Services of private households Intermediate production of sectors (column 1 to 71) or | | | | | |
| | | Final use of goods (column 73 to 81) | 2208 | 12184 | 3706 | 1412 | 9886 |
| • | • | | • | | | | |

| | | Demand Supply No. | Machinery and equipment | Office machinery and computers 32 | Electrical machinery and apparatus nec 33 | Ratho, television and communic ation <u>eminment</u> 34 | Medical, precision and optical instrument s; watches and clocks 35 |
|----------|--------------------|---|-------------------------------|---|--|---|--|
| No. | СРА | CPA | 29 | 32 30 | 33 31 | 34 32 | 33 |
| 1 | 01 | Agricultural products and products of hunting | <u> </u> | 30 | 31 | يكول | <u></u> |
| 2 | 02 | Products and services of forestry and logging | | | | | |
| 3 | 05 | Fish and other fishing products | | | | | |
| 4 | 10 | Coal and lignite; peat | 0 | | 0 | | |
| 5 | 11 | Crude oil, natural gas, extraction services thereof | 8 | 0 | 4 | 1 | 1 |
| 6 | 12 | Uranium and thorium ores | | | | | |
| 7 | 13 | Metal ores | 0 | | 0 | | 0 |
| 8 9 | 14 15.1 - 15.8 | Other mining and quanying products | 0 | | 0 | | 0 |
| 9 10 | 15.9 | Food products | | | | | |
| 10 | 16 | Beverages Tobacco products | | | | | |
| 12 | 17 | Textiles | 24 | 0 | 13 | 9 | 11 |
| 13 | 18 | Wearing apparel | 1 | | | | 0 |
| 14 | 19 | Leather and leather products | 4 | | 1 | | 2 |
| 15 | 20 | Wood and products of wood and cork (excl. furniture) | 94 | 4 | 17 | 12 | 11 |
| 16 | 21.1 | Pulp, paper and paperboard | 54 | 3 | 26 | 13 | 14 |
| 17 | 21.2 | Articles of paper and paperboard | 66 | 3 | 52 | 33 | 56 |
| 18 | 22.1 | Books, newspapers and other printed matter and recorded media | 14 | 4 | 9 | 7 | |
| 19 | 22.2 - 22.3 | Printing services; reproduction services of recorded media | 81 | 11 | 27 | 26 | |
| 20 | 23 | Coke, refined petroleum products | 45 | 5 | 30 | 7 | 9 |
| 21 | 24.4 | Phamaceuticals | 007 | e - | | 000 | 00 |
| 22 | 24 (ohne 24.4) | Chemicals (excl. pharmaceuticals) | 325 | 35 | 155 | 202 | |
| 23 24 | 25.1 | Rubberproducts | 233 574 | 0 9 | 58 | 19 | |
| 24 25 | 25.2 26.1 | Plastic products | 574 29 | 9 | 156 40 | 102 18 | |
| 26 | 26.2 - 26.8 | Glass and glass products | 29 58 | 0 | 40 60 | 14 | |
| 27 | 27.1 27.3 | Othernon-metallic mineral products (excl. glass and glass products) Basic iron, steel, tubes and semifinished products thereof | 995 | 4 | 285 | 53 | |
| 28 | 27.4 | Nonfenous metals and semifinished products thereof | 311 | 2 | 432 | 66 | |
| 29 | 27.5 | Foundry work services | 703 | 1 | 118 | 11 | 20 |
| 30 | 28 | Fabricated metal products | 2635 | 40 | 518 | 141 | 301 |
| 31 | 29 | Machinery and equipment | 6611 | 2 | 105 | 14 | 118 |
| 32 | 30 | Office machinery and computers | 65 | 806 | 127 | 29 | 108 |
| 33 | 31 | Electrical machinery and apparatus nec | 1461 | 21 | 4526 | 70 | 128 |
| 34 | 32 | Radio, television and communication equipment and apparatus | 619 | 397 | 372 | 2138 | |
| 35 | 33 | Medical, precision and optical instruments; watches and clocks | 122 | 2 | 65 | 11 | 721 |
| 36 | 34 | Motorvehicles | 113 | | 10 | 10 | 33 |
| 37 | 35 | Other transport equipment | | | | | |
| 38 | 36 | Furniture; other manufactured goods | 2 | 0 | 1 | 0 | 0 |
| 39 40 | 37 | Secondary raw materials | 129 | 7 | 75 | 22 | 20 |
| 40 41 | 40.1, 40.3 40.2 | Electricity, steam and hot water; production and distr: services thereof | 129 | 7 | 75 7 | 23 1 | 29 4 |
| 41 | 40.2 | Manufactured gas, distr. services of gaseous fuels through mains | 23 | 0 | 8 | 6 | |
| 42 | 45.1 - 45.2 | Collected and purified water; distribution of water Site representing under building construction and civil environments | 15 | 1 | 7 | 3 | |
| 44 | 45.3 - 45.5 | Site preparation work, building construction and civil engineering Building installation and completion works | 25 | 2 | 13 | 7 | |
| 45 | 50 | Vehicles: trade, maint. and repairserv.; retail trade of automotive fuels | 28 | 3 | .0 | 6 | |
| 46 | 51 | Wholesale trade (excl. vehicles) | 979 | 98 | 368 | 155 | |
| 47 | 52 | Retail trade (excl. vehicles) | 51 | 1 | 28 | 10 | |
| 48 | 55 | Hotel and restamant services | 28 | 3 | 17 | 11 | 21 |
| 49 | 60.1 | Railway transportation services | 2 | 0 | 0 | 1 | 1 |
| 50 | 60.2 - 60.3 | Other land transportation services and transp. services via pipelines | 128 | 3 | 18 | 14 | |
| 51 | 61 | Water transport services | 16 | 1 | 1 | 2 | |
| 52 | 62 | Air-transport services | 113 | 35 | 16 | 48 | |
| 53 | 63 | Supporting and auxiliary transport services | 170 | 17 | 14 | 13 | |
| 54 | 64 65 | Post and telecommunication services | 144 | 17 | 74 | 29 | |
| 55 56 | 65 66 | Financial intermediation services | 215 23 | 19 2 | 92 7 | 36 7 | |
| 57 | 67 | Insurance services, except compulsory social security services | 20 | 2 | 53 | , | 0 |
| 58 | 70 | Services auxiliary to financial intermediation Real estate services | 305 | 31 | 167 | 58 | 53 |
| 59 | 71 | Renting services of machinery and eq. (without personal services) | 129 | 28 | 78 | 45 | |
| 60 | 72 | Computer and related services | 96 | 62 | 46 | 18 | |
| 61 | 73 | Research and development services | 11 | 8 | 22 | 19 | |
| 62 | 74 | Otherbusiness services | 1630 | 99 | 829 | 485 | |
| 63 | 75.1 - 75.2 | Administation services of the state, defence services | 28 | 4 | 28 | 11 | |
| 64 | 75.3 | Compulsory social security services | | | | | |
| 65 | 80 | Education services | 28 | 3 | 12 | | |
| 66 | 85 | Health and social work services | 2 | | 1 | 0 | |
| 67 | 90 | Sewage and refuse disposal services, sanitation | 24 | 1 | 4 | 1 | |
| 68 | 91 | Membership organization services nec | 12 | 2 | | 4 | 4 |
| 69 | 92 | Recreational, cultural and sporting services | 1 | | 1 | | |
| 70 | 93 | Otherservices | 17 | 3 | 16 | 10 | 12 |
| 71 | 95 | Services of private households | | | | | |
| 72 | | Intermediate production of sectors (column 1 to 71) or | 40007 | 4004 | 0005 | 4007 | 0.400 |
| 1 | | Final use of goods (column 73 to 81) | 19627 | 1801 | 9225 | 4037 | 3488 |
| | | | | | | | |

| - | | \sim | | | | | |
|----------|------------------------|--|-------------------|--------------------|----------------------------------|------------------|---|
| | | Demand | Motor vehicles | Other transport | Fumiture; other manufactur | Secondary raw | Electricity, steam and hot water; production |
| | | Supply | | equipment | ed goods | materials | - and |
| | | No. | 36 | 37 | 38 | 39 | distribution 40 |
| No. | CPA | СРА | 34 | 35 | 36 | 37 | 40.1, 40.3 |
| 1 | 01 | Agricultural products and products of hunting | | | | | |
| 2 | 02 05 | Products and services of forestry and logging | | | 1 0 | | |
| 4 | 10 | Fish and otherfishing products Coal and lignite; peat | 0 | 0 | 0 | | 235 |
| 5 | 11 | Crude oil, natural gas, extraction services thereof | 14 | 2 | 1 | 0 | 144 |
| 6 | 12 | Uranium and thorium ores | | | | | |
| 7 8 | 13 14 | Metal ores Othermining and quanying products | 0 | | 2 | | |
| 9 | 15.1 - 15.8 | Food products | Ũ | | - | | |
| 10 | 15.9 | Beverages | | | | | |
| 11 | 16 | Tobacco products | 150 | 24 | 110 | | 0 |
| 12 13 | 17 18 | Textiles Wearing apparel | 150 1 | | 113 2 | | 0 |
| 14 | 19 | Leather and leather moducts | 14 | | 102 | | |
| 15 | 20 | Wood and products of wood and cork (excl. furniture) | 86 | | 523 | 1 | 1 |
| 16 | 21.1 | Pulp, paper and paperboard | 54 | | 22 | | - |
| 17 18 | 21.2 22.1 | Articles of paper and paperboard Bools, successful and ethors interd watter, and meaned working | 17 22 | | 53 5 | 0 | |
| 19 | 22.2 - 22.3 | Books, newspapers and otherprinted matter and recorded media Printing services; reproduction services of recorded media | 106 | | 47 | 1 | |
| 20 | 23 | Coke, refined petroleum products | 75 | | 20 | 30 | |
| 21 | 24.4 | Phamaceuticals | 700 | =- | 100 | - | - |
| 22 23 | 24 (ohne 24.4) 25.1 | Chemicals (excl. pharmaceuticals) | 703 912 | | 129 26 | 6 1 | 5 |
| 23 | 25.2 | Rubber products Plastic products | 1292 | | 190 | 8 | |
| 25 | 26.1 | Glass and glass products | 271 | 4 | 14 | 0 | 0 |
| 26 | 26.2 - 26.8 | Othernon metallic mineral products (excl. glass and glass products) | 49 | | 18 | | 14 |
| 27 28 | 27.1 27.3 27.4 | Basic iron, steel, tubes and semifinished products thereof | 1389 274 | | 7 51 | | 15 1 |
| 29 | 27.5 | Nonfenous metals and semifinished products thereof Foundry work services | 1149 | | 0 | | ' |
| 30 | 28 | Fabricated metal products | 2731 | 517 | 296 | 7 | |
| 31 | 29 | Machinery and equipment | 1148 | | 91 | 0 | |
| 32 33 | 30 31 | Office machinery and computers | 15 1887 | | 2 | 2 | |
| 34 | 32 | Electrical machinery and apparatus nec Radio, television and communication equipment and apparatus | 236 | | 5 | ' | 0 |
| 35 | 33 | Medical, precision and optical instruments; watches and clocks | 15 | 59 | 1 | 0 | |
| 36 | 34 | Motorvehicles | 21519 | | | 26 | 5 |
| 37 38 | 35 36 | Othertzansport equipment Rumiture; othermanufactured goods | 427 | 1476 4 | 566 | | 0 |
| 39 | 37 | Secondary raw materials | 127 | | 000 | 240 | - |
| 40 | 40.1, 40.3 | Electricity, steam and hot water; production and distr: services thereof | 201 | 26 | 34 | 7 | 1249 |
| 41 42 | 40.2 41 | Manufactured gas, distr. services of gaseous fuels through mains | 13 25 | | | | 177 3 |
| 42 | 41 45.1 - 45.2 | Collected and purified water, distribution of water Site preparation work, building construction and civil engineering | 25 | | 4 | 2 1 | 26 |
| 44 | 45.3 - 45.5 | Building installation and completion works | 40 | | 5 | 2 | |
| 45 | 50 | Vehicles: trade, maint. and repairserv.; retail trade of automotive fuels | 453 | | 6 | | |
| 46 47 | 51 52 | Wholesale trade (excl. vehicles) | 520 59 | | 304 26 | | |
| 47 | 55 | Retail trade (excl. vehicles) Hotel and restaurant services | 59 | | 20 | | |
| 49 | 60.1 | Railway transportation services | 54 | | 0 | | 33 |
| 50 | 60.2 - 60.3 | Otherland transportation services and transp. services via pipelines | 200 | | 61 | 4 | |
| 51 52 | 61 62 | Water transport services | 51 80 | | 8 | 0 | 28 0 |
| 53 | 63 | Air transport services Supporting and auxiliary transport services | 297 | | | 1 | |
| 54 | 64 | Post and telecommunication services | 108 | 14 | | 1 | |
| 55 56 | 65 | Financial intermediation services | 266 | | | | 66 |
| 56 57 | 66 67 | Insurance services, except compulsory social security services Services auxiliary to financial intermediation | 39 | 7 | 16 | 1 | 84 10 |
| 58 | 70 | Real estate services | 548 | 41 | 65 | 11 | |
| 59 | 71 | Renting services of machinery and eq. (without personal services) | 201 | | | | |
| 60 61 | 72 73 | Computer and related services | 101 61 | 19 30 | 9 | 3 | 21 |
| 62 | 73 | Research and development services Other business services | 1631 | 278 | 224 | 44 | 366 |
| 63 | 75.1 - 75.2 | Administration services of the state, defence services | 58 | | 10 | | |
| 64 | 75.3 | Compulsory social security services | | - | _ | - | - |
| 65 66 | 80 85 | Education services | 40 11 | | 5 | 0 | 8 |
| 67 | 90 | Health and social work services Sewage and refuse disposal services, sanitation | 39 | | 4 | 2 | 19 |
| 68 | 91 | Membership organization services nec | 21 | 2 | | | |
| 69 70 | 92 | Recreational, cultural and sporting services | 35 | | - | | 1 |
| 70 71 | 93 95 | Otherservices Somioss of minute homobolds | 96 | 1 | 5 | 1 | 3 |
| 72 | 30 | Services of private households Intermediate production of sectors (column 1 to 71) or | | | | | |
| | | Final use of goods (column 73 to 81) | 39877 | 3909 | 3187 | 484 | 4469 |
| • | • | | • | | | | |

| | | | Manufactur | Collected | Site | | Vehicles: |
|----------|----------------------------|--|--------------|--------------|-------------|--------------|---------------------|
| | | Demand | ed gas, | and | preparation | Building | trade. |
| | | | distribution | | work, | installation | maintenar |
| | | | services of | water | building | and | ce and |
| | | Supply | gaseous | distribution | constructio | completion | repair |
| | | | fuels | ofwater | n and civil | works | services: |
| No. | СРА | No CP. | | 42 | 43 | 44 | 45 |
| 1 | 01 | Agricultural products and products of hunting | 40.2 | 41 | 45.1 - 45.2 | 45.3 - 45.5 | 50 |
| 2 | 02 | Agnetitutia products and products of initiality Products and services of forestry and logging | | | | | |
| 3 | 05 | Fish and other fishing products | | | | | |
| 4 | 10 | Coal and lignite; peat | | | 0 | 0 | |
| 5 | 11 | Crude oil, natural gas, extraction services thereof | 28 | | 0 | 1 | (|
| 6 | 12 | Uranium and thorium ores | | | | | |
| 7 8 | 13 14 | Metal ores | | | 75 | 0 | |
| o 9 | 14 15.1 - 15.8 | Othermining and quarying products | | | 75 | 0 | |
| 10 | 15.9 | Food products Beverages | | | 1 | 1 | |
| 11 | 16 | Tobacco products | | | | | |
| 12 | 17 | Textiles | | 0 | 3 | 51 | : |
| 13 | 18 | Wearing apparel | | | 1 | | |
| 14 | 19 | Leatherand leatherproducts | | | 4 | 2 | |
| 15 | 20 | Wood and products of wood and cork (excl. furniture) | | | 467 | 490 | - |
| 16 17 | 21.1 | Pulp, paper and paperboard | 1 | 0 | 4 | 15 | |
| 17 18 | 21.2 22.1 | Articles of paper and paperboard | 1 | 1 | 1 | 54 8 | : 1 ⁻ |
| 18 19 | 22.1 22.2 - 22.3 | Books, newspapers and other printed matter and recorded media Birting convinces providentian convicts of provided media | 3 | | | | 1 |
| 20 | 22.2 - 22.3 | Pinting services; reproduction services of recorded media Colæ, refined petroleum products | 4 | | 176 | | 5 |
| 21 | 24.4 | Coxe, rennea pedoleum products Pharmaceuticals | ['] | 0 | | 01 | 0. |
| 22 | 24 (ohne 24.4) | Chemicals (excl. pharmaceuticals) | 6 | 18 | 46 | 447 | 3 |
| 23 | 25.1 | Rubberproducts | 0 | | 12 | | 8 |
| 24 | 25.2 | Plastic products | 0 | 1 | 383 | | 8 |
| 25 | 26.1 | Glass and glass products | | 0 | 4 | | 2 |
| 26 27 | 26.2 - 26.8 27.1 27.3 | Othernon-metallic mineral products (excl. glass and glass products) | 52 | 0 11 | 2467 111 | 466 50 | : |
| 27 | 27.1 27.3 | Basic iron, steel, tubes and semifinished products thereof | 52 | 11 | 28 | | 4 |
| 29 | 27.5 | Nonfenous metals and semifinished products thereof Foundry work services | | | 1 | 40 | 5 |
| 30 | 28 | Fabicated metal products | 8 | 5 | 418 | 1328 | 173 |
| 31 | 29 | Machinery and equipment | 11 | 23 | 27 | 374 | 38 |
| 32 | 30 | Office machinery and computers | 3 | | | | 8 |
| 33 | 31 | Electrical machinery and apparatus nec | 9 | 5 | 12 | | 135 |
| 34 35 | 32 33 | Radio, television and communication equipment and apparatus | 50 | 18 | 1 | 0 8 | 4. |
| 35 36 | 33 | Medical, precision and optical instruments; watches and clocks Motor vehicles | 52 3 | | | 0 | 11 558 |
| 37 | 35 | Other transport equipment | J J | 2 | | | 000 |
| 38 | 36 | Funiture; othermanufactured goods | 0 | | 0 | 6 | (|
| 39 | 37 | Secondary raw materials | | | | | |
| 40 | 40.1, 40.3 | Electricity, steam and hot water; production and distr: services thereof | 73 | 69 | 7 | | 68 |
| 41 | 40.2 | Manufactured gas, distr: services of gaseous fuels through mains | 35 | | 4 | | 12 |
| 42 | 41 | Collected and purified water; distribution of water | 0 | | 10 | | 6 |
| 43 44 | 45.1 - 45.2 45.3 - 45.5 | Site preparation work, building construction and civil engineering | 11 16 | 8 22 | | 39 90 | 1 24 |
| 45 | 50 | Building installation and completion works Vehicles: trade, maint. and repairserv.; retail trade of automotive fuels | 4 | | | | 146 |
| 46 | 51 | Wholesale trade (excl. vehicles) | 26 | | 342 | | |
| 47 | 52 | Retail trade (excl. vehicles) | 1 | 1 | 28 | 128 | ł |
| 48 | 55 | Hotel and restaurant services | 1 | 0 | | 18 | |
| 49 50 | 60.1 | Railway transportation services | 100 | | 0 | | |
| 50 51 | 60.2 - 60.3 61 | Other land transportation services and transp. services via pipelines | 130 | | 31 | 1 | |
| 51 52 | 61 62 | Water transport services | 5 | | 11 | 8 | |
| 52 53 | 63 | Air transport services Supporting and auxiliary transport services | 2 | | 19 | | 18 |
| 54 | 64 | Post and telecommunication services | 15 | | | | |
| 55 | 65 | Enancial intermediation services | 15 | | | | |
| 56 | 66 | Insurance services, except compulsory social security services | 21 | 10 | 34 | 43 | 20 |
| 57 | 67 | Services auxiliary to financial intermediation | | - | | | |
| 58 50 | 70 71 | Real estate services | 16 | | | | 49 |
| 59 60 | 71 72 | Renting services of machinery and eq. (without personal services) | 27 7 | | | | |
| 60 61 | 72 73 | Computer and related services Research and development services | | 2 | 5 | 1 | 20 |
| 62 | 74 | Otherbusiness services | 121 | 27 | 564 | 387 | 308 |
| 63 | 75.1 - 75.2 | Administation services of the state, defence services | 35 | | | | 1(|
| 64 | 75.3 | Compulsory social security services | | | | | |
| 65 | 80 | Education services | 3 | 1 | 14 | 20 | |
| 66 | 85 | Health and social work services | | | | _ 1 | |
| 67 68 | 90 | Sewage and refuse disposal services, sanitation | 1 | | | | |
| 68 69 | 91 92 | Membership organization services nec | 4 | | 20 | 33 | 1 [.] (|
| 69 70 | 92 93 | Recreational, cultural and sporting services Other services | 3 | | 5 | 6 | |
| 70 | 95 | Other services Services of private households | | | 5 | 0 | |
| | | A CALLER OF MALLER AND | | | | | |
| 72 | | Intermediate production of sectors (column 1 to 71) or | | | | | |

| | | Demand | Wholesale trade (excl. vehicles) | Retail trade (excl. vehicles) | Hotel and restaurant services | Railway transportati on services | Otherland transportati on services and transportati |
|----------|------------------------|--|--|-------------------------------------|-------------------------------------|--|---|
| | | | | | | | on services |
| | | No. | 46 | 47 | 48 | 49 | 50 |
| No. | CPA | СРА | 51 | 52 | 55 | 60.1 | 60.2 60.3 |
| 1 | 01 | Agricultural products and products of hunting | 0 | 1 | 50 | | 1 |
| 2 | 02 | Products and services of forestry and logging | | | 0 | | |
| 3 | 05 | Fish and other fishing products | | | 5 | | |
| 4 | 10 | Coal and lignite; peat | 0 | 0 | 0 | | |
| 5 | 11 | Crude oil, natural gas, extraction services thereof | 5 | 20 | 5 | 1 | 0 |
| 6 | 12 | Uranium and thorium ores | | | | | |
| 7 | 13 | Metal ores | | | | | |
| 8 | 14 | Othermining and quanying products | | | 1 | | |
| 9 | 15.1 - 15.8 | Food products | | 2 | 1179 | | |
| 10 11 | 15.9 16 | Beverages | | 2 | 924 1 | | |
| 12 | 17 | Tobacco products | 3 | 41 | 27 | | 0 |
| 12 | 18 | Textiles | 0 | 41 | 1 | | |
| 13 | 10 | Wearing apparel | 0 | 2 | I | 0 | |
| 14 | 19 20 | Leather and leather products | 16 | 18 | 11 | - | 0 |
| 15 | 20 | Wood and products of wood and cork (excl. furniture) | 99 | 168 | 3 | | |
| 10 | 21.1 | Pulp, paper and paperboard | 99 95 | 143 | 5 | | 1 |
| 17 | 21.2 | Articles of paper and paperboard Bools, successful and the section and second of successful and the | 95 13 | 143 | 51 | | |
| 10 | 22.2 - 22.3 | Books, newspapers and other printed matter and recorded media Distingtion incompany properties and recorded media | 88 | 468 | 9 | | |
| 20 | 22.2 - 22.3 | Printing services; reproduction services of recorded media Coke, refined petroleum products | 179 | 100 | 21 | | |
| 20 | 23 | Cole, refined petroleum products Phannaceuticals | 179 | 100 | 21 | 21 | 515 |
| 22 | 24 (ohne 24.4) | Phannaceuucais Chemicals (excl. phannaceuticals) | 7 | 25 | 23 | 5 | 7 |
| 22 | 24 (onne 24.4) 25.1 | Chemicais (excl. phaimaceuticais) Rubber products | 8 | 23 | 1 | | |
| 24 | 25.2 | Plastic products | 69 | 181 | 17 | | |
| 25 | 26.1 | Glass and glass products | | 1 | 9 | | |
| 26 | 26.2 - 26.8 | Othernon metallic mineral products (excl. glass and glass products) | 1 | 2 | 6 | | 3 |
| 27 | 27.1 27.3 | Basic iron, steel, tubes and semifinished products thereof | 4 | 14 | | 8 | |
| 28 | 27.4 | Nonferrous metals and semifinished products thereof | | 0 | | | |
| 29 | 27.5 | Foundry work services | | 2 | | 1 | 1 |
| 30 | 28 | Fabicated metal products | 27 | 51 | 20 | 7 | 46 |
| 31 | 29 | Machinery and equipment | 18 | 56 | 24 | 45 | 7 |
| 32 | 30 | Office machinery and computers | 18 | 33 | 8 | 5 | 14 |
| 33 | 31 | Electrical machinery and apparatus nec | 8 | 13 | 21 | 35 | 42 |
| 34 | 32 | Radio, television and communication equipment and apparatus | | 25 | 3 | | |
| 35 | 33 | Medical, precision and optical instruments; watches and clocks | 3 | 9 | 0 | | 5 |
| 36 | 34 | Motorvehicles | 0 | 0 | | | 177 |
| 37 | 35 | Othertransport equipment | | | | 81 | |
| 38 | 36 | Fumiture; other manufactured goods | 1 | 6 | 6 | 0 | 0 |
| 39 | 37 | Secondary raw materials | | | | | |
| 40 | 40.1, 40.3 | Electricity, steam and hot water; production and distr: services thereof | 93 | 225 | 95 | | 39 |
| 41 | 40.2 | Manufactured gas, distr: services of gaseous fuels through mains | 13 | 36 | 16 | | 0 |
| 42 | 41 | Collected and purified water; distribution of water | 7 | 12 | 39 | | |
| 43 | 45.1 - 45.2 | Site preparation work, building construction and civil engineering | 9 | 25 | 9 | | |
| 44 | 45.3 - 45.5 | Building installation and completion works | 30 | 80 | 49 | | |
| 45 | 50 | Vehicles: trade, maint. and repairserv.; retail trade of automotive fuels | 60 | 291 | 15 | | |
| 46 | 51 | Wholesale trade (excl. vehicles) | 1422 | 223 | 362 | | |
| 47 | 52 55 | Retail trade (excl. vehicles) | 7 | | 67 | | |
| 48 49 | 55 60.1 | Hotel and restaurant services | 113 58 | 40 11 | 8 0 | | |
| 49 50 | 60.2 - 60.3 | Railway transportation services | 58 1017 | 227 | 1 | | |
| 50 51 | 61 | Other land transportation services and transp. services via pipelines | 83 | 221 | I | 0 | 156 |
| 52 | 62 | Water transport services | 42 | 21 | 2 | 0 | |
| 53 | 63 | Airtnansport services Supporting and applicant transport consists | 2146 | 58 | 20 | | |
| 54 | 64 | Supporting and auxiliary transport services Post and telecommunication services | 191 | 688 | 72 | | |
| 55 | 65 | Fost and telecommunication services Financial intermediation services | 266 | 406 | 182 | | |
| 56 | 66 | Insurance a memediation services Insurance services, except compulsory social security services | 36 | 129 | 16 | | |
| 57 | 67 | Services auxiliary to financial intermediation | | 0 | | | |
| 58 | 70 | Real estate services | 1226 | 1737 | 591 | 20 | 65 |
| 59 | 71 | Renting services of machinery and eq. (without personal services) | 319 | 342 | 61 | | |
| 60 | 72 | Computer and related services | 85 | 94 | 3 | | |
| 61 | 73 | Research and development services | | | | | |
| 62 | 74 | Other business services | 1242 | 1347 | 293 | 69 | 292 |
| 63 | 75.1 - 75.2 | Administation services of the state, defence services | 24 | 45 | 24 | 3 | 29 |
| 64 | 75.3 | Compulsory social security services | | | | | |
| 65 | 80 | Education services | 27 | 33 | 11 | | 21 |
| 66 | 85 | Health and social work services | 2 | | 10 | | |
| 67 | 90 | Sewage and refuse disposal services, sanitation | 22 | 284 | 45 | | |
| 68 | 91 | Membership organization services nec | 26 | 114 | | | 18 |
| 69 | 92 | Recreational, cultural and sporting services | 1 | 5 | 68 | | |
| 70 | 93 | Otherservices | 26 | 36 | 58 | 2 | 3 |
| 71 | 95 | Services of private households | | | | | |
| 72 | | Intermediate production of sectors (column 1 to 71) or | 0050 | 0.101 | 1000 | 1000 | 004- |
| 1 | | Final use of goods (column 73 to 81) | 9258 | 8101 | 4553 | 1233 | 2917 |
| | | | | | | | |

| CPA 01 | Supply | transport services | tiansport services | and auxiliary transport services | telecommu nication services | Financial intermediat ion services |
|--------------------|--|--|---|---|---|--|
| 01 | | | 52 | 53 | 54 | 55 |
| | Agricultural products and products of hunting | 61 | 62 | 63 | 64 | 65 |
| 02 | Products and services of forestry and logging | | | | | |
| 05 | Hish and other fishing products | 0 | | | | |
| 10 11 | Coal and lignite; peat | | | 0 | 1 | 2 |
| 12 | Crude oil, natural gas, extraction services thereof Uranium and thorium ores | | | 0 | ' | 2 |
| 13 | Metal ores | | | | | |
| 14 | Othermining and quanying products | | | | | |
| 5.1 - 15.8 | Food products | 28 | 5 | | | |
| 15.9 16 | Beverages | | | | | |
| 17 | Tobacco products Textiles | 1 | | 1 | 6 | 2 |
| 18 | Nearing apparel | 0 | | | 0 | - |
| 19 | Leather and leather moducts | - | | 1 | | |
| 20 | Wood and products of wood and cork (excl. furniture) | | | 4 | 4 | 1 |
| 21.1 | Pulp, paper and paperboard | 0 | | | | 20 |
| 21.2 | Articles of paper and paperboard | 0 | | 2 | | 4 |
| 22.1 2.2 - 22.3 | Books, newspapers and other printed matter and recorded media | 1 | | | | 11 78 |
| 2.2 - 22.3 23 | Printing services; reproduction services of recorded media Color, refered potenterry workwate | 0 156 | | | 41 | 78 8 |
| 24.4 | Coke, refined petroleum products Phannaceuticals | 130 | 11/1 | 107 | 41 | 0 |
| (ohne 24.4) | | 4 | 0 | 2 | 3 | 2 |
| 25.1 | Ribbermoducts | | | 2 | 3 | |
| 25.2 | Plastic products | | 1 | 27 | | 1 |
| 26.1 | Glass and glass products | | | _ | 0 | |
| 6.2 - 26.8 | Othernon-metallic mineral products (excl. glass and glass products) | | | 2 | | |
| 7.1 27.3 27.4 | Basic iron, steel, tubes and semifinished products thereof | | | 4 | 2 | |
| 27.5 | Nonfenous metals and semifinished products thereof Foundry work services | | | | | |
| 28 | Fabricated metal products | 3 | 0 | 70 | 8 | 2 |
| 29 | Machinery and equipment | 25 | | 20 | 9 | 1 |
| 30 | Office machinery and computers | | 1 | | | 38 |
| 31 | Electrical machinery and apparatus nec | 0 | 0 | 80 | | 3 |
| 32 33 | Radio, television and communication equipment and apparatus | | 0 | | 568 0 | 0 |
| 33 34 | Medical, precision and optical instruments; watches and clocks Motor vehicles | 3 | 0 | 54 | • | 0 |
| 35 | Nixorvenicies Othertianspoit equipment | 2 | 495 | | | |
| 36 | Funiture; other manufactured goods | | 0 | 0 | 1 | 1 |
| 37 | Secondary raw materials | | | | | |
| 0.1, 40.3 | Electricity, steam and hot water; production and distr: services thereof | 0 |) 1 | | | 37 |
| 40.2 | Manufactured gas, distr: services of gaseous fuels through mains | | | 0 | | 5 |
| 41 5.1 - 45.2 | Collected and purified water; distribution of water | 0 | | | | 5 10 |
| 5.3 - 45.5 | Site preparation work, building construction and civil engineering Building installation and completion works | 1 | | | 48 | 24 |
| 50 | Vehicles: trade, maint, and repairsery.; retail trade of automotive fuels | | 0 | | | 6 |
| 51 | Wholesale trade (excl. vehicles) | 27 | · 1 | | | 19 |
| 52 | Retail trade (excl. vehicles) | 1 | | | | |
| 55 | Hotel and restamant services | 0 | 112 | | | 45 |
| 60.1 | Railway transportation services | | 1 | 28 1187 | | 1 |
| 0.2 - 60.3 61 | Other land transportation services and transp. services via pipelines | 73 | | 64 | | 4 |
| 62 | Water transport services Air transport services | 10 | 1 | | | 50 |
| 63 | Supporting and auxiliary transport services | 776 | | | | 0 |
| 64 | Post and telecommunication services | 4 | | | | 151 |
| 65 | Financial intermediation services | 12 | | | | 1928 |
| 66 | Insurance services, except compulsory social security services | 4 | . 9 | 119 | 13 | 93 |
| 67 70 | Services auxiliary to financial intermediation | 1 | 4 | 213 | 577 | 1952 459 |
| 70 | Real estate services Renting services of machinery and eq. (without personal services) | 131 | | | | 439 |
| 72 | Renung services of machinery and eq. (without personal services) Computer and related services | 1 | | | | |
| 73 | Computer and texated services Research and development services | I . | 0 | .50 | 8 | |
| 74 | Other business services | 4 | | | | 1468 |
| 5.1 - 75.2 | Administation services of the state, defence services | 2 | 2 | 17 | 11 | 11 |
| 75.3 | Compulsory social security services | I . | - | <i>,</i> . | | |
| 80 | Education services | 1 | 8 | 14 | 10 | 23 |
| | | _ | | 40 | 0 | 4.4 |
| | | | | | | 11 38 |
| 92 | | Ĭ | 0 | 51 | | |
| | Otherservices | 0 | 0 | 90 | | |
| 93 | Services of private households | 1 | - | | - | |
| 93 95 | - | | | | | 6856 |
| 1 | 93 | 90 Sewage and refuse disposal services, sanitation 91 Membership organization services nec 92 Recreational, cultural and sporting services 93 Other services | 90 Sewage and refuse disposal services, sanitation 0 91 Membership organization services nec 0 92 Recreational, cultural and sporting services 0 93 Other services 0 95 Services of private households 0 Intermediate production of sectors (column 1 to 71) or 0 | 90 Sewage and refuse disposal services, sanitation 0 0 91 Membership organization services nec 0 0 92 Recreational, cultural and sporting services 0 0 93 Other services 0 0 95 Services of private households 0 0 Intermediate production of sectors (column 1 to 71) or 0 0 | 90 Sewage and refuse disposal services, sanitation 0 0 19 91 Membership organization services nec 0 0 31 92 Recreational, cultural and sporting services 0 0 90 93 Other services 0 0 90 95 Services of private households 1 1 Intermediate production of sectors (column 1 to 71) or 0 0 0 | 90Sewage and refirse disposal services, sanitation0019891Membership organization services nec0031292Recreational, cultural and sporting services141493Other services00904395Services of private households009043 |

| | | Demand | Insurance services, except compulsory social | Services auxiliary to financial intermediat ion | Real estate services | Renting services of machinery and equipment | Computer and related services |
|----------|---------------------|--|--|---|-------------------------|---|-------------------------------------|
| | | No | security | 57 | 58 | (without 59 | 60 |
| No. | CPA | CP | | 67 67 | 70 | 71 | 72 |
| 1 | 01 | Agricultural products and products of hunting | 000 | | 37 | 0 | |
| 2 | 02 | Products and services of forestry and logging | | | | | |
| 3 4 | 05 10 | Fish and other fishing products | | | | | |
| 5 | 10 | Coal and lignite; peat Crude oil, natural gas, extraction services thereof | 1 | 0 | 0 | 0 | 1 |
| 6 | 12 | Uranium and thorium ores | | | | | |
| 7 | 13 | Metal ores | | | | | |
| 8 | 14 | Othermining and quarying products | | | | | |
| 9 10 | 15.1 - 15.8 | Food products | | | | | |
| 10 | 15.9 16 | Beverages Tobacco products | | | | | |
| 12 | 17 | Textiles | 2 | 2 | 0 | 0 | 2 |
| 13 | 18 | Wearing apparel | | | | | |
| 14 | 19 | Leather and leather products | | | | | |
| 15 | 20 | Wood and products of wood and cork (excl. furniture) | 1 | | 64 | | 1 |
| 16 | 21.1 | Pulp, paper and paperboard | 21 | | 1 | 1 | 11 |
| 17 18 | 21.2 22.1 | Articles of paper and paperboard Rools, management and attenuities and meaned and in | 3 | | 0 59 | 1 | 2 5 |
| 19 | 22.2 - 22.3 | Books, newspapers and otherprinted matter and recorded media Printing services; reproduction services of recorded media | 39 | | 13 | 5 | 21 |
| 20 | 23 | Coke, refined petroleum products | 7 | | 9 | 9 | 15 |
| 21 | 24.4 | Phamaceuticals | 1 | | | | |
| 22 | 24 (ohne 24.4) | Chemicals (excl. pharmaceuticals) | 2 | 2 | 0 | | 3 |
| 23 24 | 25.1 25.2 | Rubber products | 1 | | 2 | | 0 |
| 24 25 | 25.2 | Plastic products | 1 ' | | | | 0 |
| 26 | 26.2 - 26.8 | Glass and glass products Othernon-metallic mineral products (excl. glass and glass products) | | | | | |
| 27 | 27.1 27.3 | Basic iron, steel, tubes and semifinished products thereof | | | | | |
| 28 | 27.4 | Nonferrous metals and semifinished products thereof | | | 0 | | |
| 29 | 27.5 | Foundry work services | | | | | _ |
| 30 31 | 28 29 | Fabricated metal products | 4 | | 22 133 | | 6 1 |
| 31 | 29 30 | Machinery and equipment Office machinery and computers | 22 | | 7 | | |
| 33 | 31 | Electrical machinery and apparatus nec | 4 | | 12 | | |
| 34 | 32 | Radio, television and communication equipment and apparatus | | 1 | | | 2 |
| 35 | 33 | Medical, precision and optical instruments; watches and clocks | C |) | | | |
| 36 | 34 | Motorvehicles | | | | | |
| 37 38 | 35 36 | Other transport equipment | 1 | 0 | 0 | 0 | 1 |
| 39 | 37 | Runiture; othermannfactured goods Secondary raw materials | 1 | 0 | 0 | 0 | 1 |
| 40 | 40.1, 40.3 | Electricity, steam and hot water; production and distr: services thereof | 18 | 5 7 | 54 | 6 | 13 |
| 41 | 40.2 | Manufactured gas, distr: services of gaseous fuels through mains | 4 | 1 | 1 | 0 | 2 |
| 42 | 41 | Collected and purified water; distribution of water | 5 | | 4 | - | 3 |
| 43 | 45.1 - 45.2 | Site preparation work, building construction and civil engineering | 10 | | 610 | 3 | |
| 44 45 | 45.3 - 45.5 50 | Building installation and completion works Vehicles: trade, maint. and repairserv.; retail trade of automotive fuels | 26 5 | | 1449 4 | | |
| 46 | 51 | Wholesale trade (excl. vehicles) | 14 | | 14 | | |
| 47 | 52 | Retail trade (excl. vehicles) | 4 | 1 | 2 | 1 | |
| 48 | 55 | Hotel and restaurant services | 29 | | 2 | | |
| 49 50 | 60.1 | Railway transportation services | 1 | | 0 | | 2 |
| 50 51 | 60.2 - 60.3 61 | Other land transportation services and transp. services via pipelines | 1 | 1 | 1 | 0 | 1 |
| 52 | 62 | Water transport services Air transport services | 28 | 3 1 | 4 | 3 | 24 |
| 53 | 63 | Supporting and auxiliary transport services | | | | Ū | 0 |
| 54 | 64 | Post and telecommunication services | 129 | | 67 | | |
| 55 50 | 65 | Financial intermediation services | 325 | | 3059 | 85 | |
| 56 57 | 66 67 | Insurance services, except compulsory social security services | 1829 1909 | | 311 | 93 13 | |
| 58 | 70 | Services auxiliary to financial intermediation Real estate services | 401 | | 1462 | | |
| 59 | 71 | Renting services of machinery and eq. (without personal services) | 48 | | | | |
| 60 | 72 | Computer and related services | 82 | | 35 | | |
| 61 | 73 | Research and development services | 1 | | | | |
| 62 63 | 74 75 1 75 2 | Otherbusiness services | 2250 | | 1311 | 205 | |
| 63 64 | 75.1 - 75.2 75.3 | Administation services of the state, defence services | g |) 1 | 161 | 5 | 7 |
| 65 | 80 | Compulsory social security services Education services | 11 | 3 | 47 | 2 | 57 |
| 66 | 85 | Huitanin services Health and social work services | 1 | Ū | | - | |
| 67 | 90 | Sewage and refuse disposal services, sanitation | 5 | | | 1 | |
| 68 | 91 | Membership organization services nec | 21 | | 4 | 1 | 7 |
| 69 70 | 92 | Recreational, cultural and sporting services | 7 20 | | 04 | 3 | 00 |
| 70 71 | 93 95 | Otherservices Somicos of minato homeoholds | 20 | , 1 | 24 | 3 | 28 |
| 72 | 55 | Services of private households Intermediate production of sectors (column 1 to 71) or | 1 | | | | |
| | | Final use of goods (column 73 to 81) | 7311 | 2104 | 9130 | 1527 | 2179 |

| | | | | | | | |
|----------|------------------------|--|------------------------------|-------------------------------|--|-----------------------------------|-----------------------|
| | | Demand | Research and developme | Other business services | Administati on services of the state, | Compulsor y social security | Education services |
| | | | nt services | | defence | services | |
| | | No. | 61 | 62 | services 63 | 64 | 65 |
| No. | CPA | СРА | 73 | 74 | 75.1 - 75.2 | 75.3 | 80 |
| 1 | 01 | Agricultural products and products of hunting | 0 | 1 | 62 | 0 | 3 |
| 2 | 02 | Products and services of forestry and logging | | 0 | - | | |
| 3 | 05 | Fish and other fishing products | | | 0 | | |
| 4 | 10 | Coal and lignite; peat | | | 1 | | |
| 5 6 | 11 12 | Crude oil, natural gas, extraction services thereof | 0 | 6 | 13 | 0 | 6 |
| о 7 | 12 | Uranium and thorium ores | | | | | |
| 8 | 13 | Metal ones | | | 13 | | 0 |
| 9 | 15.1 - 15.8 | Othermining and quanying products Food products | | 4 | | | 53 |
| 10 | 15.9 | Root products Beverages | | | 14 | | 7 |
| 11 | 16 | Tobacco products | | | | | |
| 12 | 17 | Textiles | 2 | 3 | 14 | 2 | 2 |
| 13 | 18 | Wearing apparel | | 0 | 2 | | |
| 14 | 19 | Leather and leather products | | | 11 | | 0 |
| 15 | 20 | Wood and products of wood and cork (excl. furniture) | 1 | 10 | | 1 | 32 |
| 16 | 21.1 | Pulp, paper and paperboard | 5 | 40 | | 13 | 18 |
| 17 | 21.2 | Articles of paper and paperboard | 1 | 71 | 9 | 4 | 3 |
| 18 | 22.1 | Books, newspapers and other printed matter and recorded media | 24 | 665 | 40 | 4 | |
| 19 | 22.2 - 22.3 | Printing services; reproduction services of recorded media | 32 | 357 | | 46 | 89 |
| 20 | 23 24.4 | Coke, refined petroleum products | 12 | 103 | 161 | 5 | 83 |
| 21 22 | 24.4 24 (ohne 24.4) | Phamaceuticals Chaminals (and phamaceuticals) | 70 | 143 | 59 | 3 | 27 |
| 22 | 24 (onne 24.4) 25.1 | Chemicals (excl. pharmaceuticals) | 70 | 143 | 59 24 | 3 | |
| 23 | 25.2 | Rubber products Plastic products | 4 | 70 | | 2 1 | 4 |
| 25 | 26.1 | Glass and glass products | 3 | 6 | | | 5 |
| 26 | 26.2 - 26.8 | Othernon-metallic nineral products (excl. glass and glass products) | Ű | 0 | | 1 | 0 |
| 27 | 27.1 27.3 | Basic iron, steel, tubes and semifinished products thereof | | 14 | 6 | | 0 |
| 28 | 27.4 | Nonferrous metals and semifinished products thereof | | 0 | 5 | | 0 |
| 29 | 27.5 | Foundry work services | | 0 | 1 | | |
| 30 | 28 | Fabricated metal products | 7 | 15 | 87 | 9 | 18 |
| 31 | 29 | Machinery and equipment | 6 | 5 | 424 | 1 | 3 |
| 32 | 30 | Office machinery and computers | 43 | 49 | | 43 | 40 |
| 33 | 31 | Electrical machinery and apparatus nec | 12 | 10 | | 0 | 7 |
| 34 | 32 | Radio, television and communication equipment and apparatus | 8 | 14 | | | 13 |
| 35 | 33 | Medical, precision and optical instruments; watches and clocks | 29 | 6 | 29 | | 12 |
| 36 37 | 34 35 | Motorvehicles | | | 15 654 | | |
| 38 | 36 | Other transport equipment | 0 | 2 | | 0 | 9 |
| 39 | 37 | Furniture; other manufactured goods | Ů | 2 | 4 | 0 | 5 |
| 40 | 40.1, 40.3 | Secondary naw materials Electricity, steam and hot water; production and distr: services thereof | 27 | 62 | 110 | 2 | 125 |
| 41 | 40.2 | Manufactured gas, distr: services of gaseous fuels through mains | 1 | 15 | | 1 | 14 |
| 42 | 41 | Collected and purified water: distribution of water | 3 | 31 | 23 | 7 | |
| 43 | 45.1 - 45.2 | Site preparation work, building construction and civil engineering | 3 | 23 | 52 | 10 | 21 |
| 44 | 45.3 - 45.5 | Building installation and completion works | 9 | 151 | 224 | 38 | 84 |
| 45 | 50 | Vehicles: trade, maint. and repairserv.; retail trade of automotive fuels | 5 | 51 | 99 | 5 | 18 |
| 46 | 51 | Wholesale trade (excl. vehicles) | 36 | 70 | 181 | 16 | 58 |
| 47 | 52 | Retail trade (excl. vehicles) | 10 | 30 | | 6 | 26 |
| 48 | 55 | Hotel and restaurant services | 6 | 64 | | 9 | 11 |
| 49 | 60.1 | Railway transportation services | 2 | 4 | | 1 | 68 |
| 50 | 60.2 - 60.3 | Other land transportation services and transp. services via pipelines | 1 | 8 | | 1 | 173 |
| 51 52 | 61 | Water transport services | | 4 A ¬ | 5 | - | - |
| 52 52 | 62 63 | Air transport services | 24 | 117 | | 7 | 5 |
| 53 54 | 63 64 | Supporting and auxiliary transport services | 1 18 | 14 223 | | 84 | 22 |
| 54 55 | 64 65 | Post and telecommunication services | 16 | 223 555 | | 84 99 | |
| 55 56 | 66 | Financial intermediation services | 6 | 73 | | 39 | |
| 57 | 67 | Insurance services, except compulsory social security services Services auxiliary to financial intermediation | Í | , 5 | 205 | 5 | 1-10 |
| 58 | 70 | Real estate services | 52 | 1244 | | 94 | 78 |
| 59 | 71 | Renting services Renting services of machinery and eq. (without personal services) | 18 | 73 | | 19 | 50 |
| 60 | 72 | Computer and related services | 156 | 222 | | 121 | 67 |
| 61 | 73 | Research and development services | 162 | | 189 | | 63 |
| 62 | 74 | Other business services | 242 | 7396 | | 154 | |
| 63 | 75.1 - 75.2 | Administation services of the state, defence services | 27 | 102 | | 56 | 17 |
| 64 | 75.3 | Compulsory social security services | | | 10 | | |
| 65 | 80 | Education services | 284 | 77 | | 51 | 1068 |
| 66 | 85 | Health and social work services | | 2 | | | 15 |
| 67 | 90 | Sewage and refuse disposal services, sanitation | 5 | 42 | | 6 | |
| 68 60 | 91 | Membership organization services nec | 19 | 92 | | 14 | |
| 69 70 | 92 | Recreational, cultural and sporting services | 0 | 873 | | 1 | |
| 70 71 | 93 95 | Otherservices | 10 | 378 | 8 | 3 | 4 |
| 71 72 | 90 | Services of private households | | | | | |
| 12 | | Intermediate production of sectors (column 1 to 71) or Final use of stools (column 73 to 81) | 1404 | 13590 | 6146 | 940 | 2936 |
| 1 1 | I | Final use of goods (column 73 to 81) | | 10000 | 0140 | 040 | 2000 |
| | | | | | | | |

| | | Demand | Health and social work services | Sewage and refuse disposal services, | Membershi p organizatio n services | Recreation al, cultural and sporting | Other services |
|----------|-------------------|--|---------------------------------------|---|---|---|-------------------|
| | | | | sanitation | nec | services | |
| | | No. | 66 | 67 | 68 | 69 | 70 |
| No. | CPA | CPA | 85 | 90 | 91 | 92 | 93 |
| 1 | 01 | Agricultural products and products of hunting | 45 | 0 | | 5 | 1 |
| 2 | 02 | Products and services of forestry and logging | 0 | | 0 | | 0 |
| 3 | 05 | Fish and other fishing products | 2 | | | 0 | |
| 4 | 10 | Coal and lignite: neat | | | | | |
| 5 | 11 | Cnude oil, natural gas, extraction services thereof | 10 | 0 | 1 | 2 | 1 |
| 6 | 12 | Uranium and thorium ores | | | | | |
| 7 | 13 | Metal ores | | | | | |
| 8 | 14 | Othermining and quanying products | 0 | 3 | | | |
| 9 | 15.1 - 15.8 | Food products | 869 | | 15 | 20 | 6 |
| 10 | 15.9 | Beverages | 48 | | | 1 | |
| 11 | 16 | Tobacco products | | | | | |
| 12 | 17 | Textiles | 44 | | 2 | 2 | 0 |
| 13 | 18 | Wearing apparel | 34 | 0 | 1 | 21 | 1 |
| 14 | 19 | Leather and leather products | 1 | 1 | | 3 | |
| 15 | 20 | Wood and products of wood and cork (excl. furniture) | 12 | 17 | 1 | 7 | 116 |
| 16 | 21.1 | Pulp, paper and paperboard | 21 | 2 | 3 | 5 | 0 |
| 17 | 21.2 | Articles of paper and paperboard | 7 | 1 | 3 | 4 | 1 |
| 18 | 22.1 | Books, newspapers and other printed matter and recorded media | 102 | 4 | 10 | 36 | 9 |
| 19 | 22.2 - 22.3 | Printing services; reproduction services of recorded media | 34 | 24 | | 39 | 4 |
| 20 | 23 | Coke, refined petroleum products | 85 | 19 | 8 | 43 | 23 |
| 21 | 24.4 | Phamaceuticals | 1048 | | | | |
| 22 | 24 (ohne 24.4) | Chemicals (excl. pharmaceuticals) | 165 | 34 | 4 | 14 | 28 |
| 23 | 25.1 | Rubberproducts | 5 | 8 | | | |
| 24 | 25.2 | Plastic products | 38 | 26 | 2 | 1 | |
| 25 | 26.1 | Glass and glass products | 12 | 0 | | | |
| 26 | 26.2 - 26.8 | Othernon-metallic mineral products (excl. glass and glass products) | 3 | 0 | 0 | | 24 |
| 27 | 27.1 27.3 | Basic iron, steel, tubes and semifinished products thereof | | | | | |
| 28 | 27.4 | Nonfenous metals and semifinished products thereof | | | | | |
| 29 | 27.5 | Foundry work services | | 1 | | | |
| 30 | 28 | Fabricated metal products | 33 | 148 | | 7 | 1 |
| 31 | 29 | Machinery and equipment | 30 | 57 | | 0 | 7 |
| 32 | 30 | Office machinery and computers | 45 | 30 | | 21 | 2 |
| 33 | 31 | Electrical machinery and apparatus nec | 23 | 6 | 0 | 5 | 1 |
| 34 | 32 | Radio, television and communication equipment and apparatus | 12 | | | 76 | 1 |
| 35 | 33 | Medical, precision and optical instruments; watches and clocks | 587 | 0 | 0 | 0 | |
| 36 | 34 | Motorvehicles | | | | | |
| 37 | 35 | Othertiansport equipment | 1 | _ | _ | _ | _ |
| 38 | 36 | Fumiture; other manufactured goods | 6 | 0 | 8 | 8 | 0 |
| 39 | 37 | Secondary raw materials | 470 | 142 | | | 10 |
| 40 | 40.1, 40.3 | Electricity, steam and hot water; production and distr: services thereof | 176 | 5 | 10 | 31 | 42 |
| 41 | 40.2 | Manufactured gas, distr: services of gaseous fuels through mains | 20 | 0 | 3 | 4 | 0 |
| 42 | 41 | Collected and purified water; distribution of water | 51 | 3 | 4 | 26 | 38 |
| 43 44 | 45.1 - 45.2 | Site preparation work, building construction and civil engineering | 64 214 | 39 | 1 | 11 39 | 3 |
| 44 45 | 45.3 - 45.5 50 | Building installation and completion works | 214 | 18 41 | 16 2 | | 16 5 |
| 45 | 50 | Vehicles: trade, maint. and repair serv.; retail trade of automotive fuels | 501 | 125 | | | 14 |
| 40 47 | 51 | Wholesale trade (excl. vehicles) | 168 | 125 | | | 14 22 |
| 47 | 52 | Retail trade (excl. vehicles) | 33 | 4 | | | 8 |
| 40 | 60.1 | Hotel and restamant services Railway transportation services | 1 | 4 | | | 0 |
| 49 50 | 60.2 - 60.3 | Chanway transportation services Other land transportation services and transp. services via pipelines | 4 | 1 | 9 | | 1 |
| 51 | 61 | Vulertanu uansportauon services ann uansp, services via pipeimes Watertransport services | | | 0 | 0 | |
| 52 | 62 | valer transport services Air transport services | 14 | 6 | 9 | 51 | 7 |
| 53 | 63 | An unisport services Supporting and auxiliary transport services | 0 | 0 | 0 | | 0 |
| 54 | 64 | Supporting and auxiliary transport services Post and telecommunication services | 124 | 31 | | 158 | 14 |
| 55 | 65 | Fusical intermediation services | 388 | 42 | | 87 | 110 |
| 56 | 66 | Insurance services, except compulsory social security services | 57 | 51 | 31 | 16 | 7 |
| 57 | 67 | Services auxiliary to financial intermediation | | | | - | |
| 58 | 70 | Real estate services | 562 | 70 | 45 | 115 | 47 |
| 59 | 71 | Renting services of machinery and eq. (without personal services) | 172 | 135 | | | 64 |
| 60 | 72 | Computer and related services | 143 | 80 | | | 7 |
| 61 | 73 | Research and development services | 28 | 25 | | | |
| 62 | 74 | Otherbusiness services | 1025 | 588 | 58 | 272 | 77 |
| 63 | 75.1 - 75.2 | Administation services of the state, defence services | 67 | 28 | | 15 | 3 |
| 64 | 75.3 | Compulsory social security services | | | | | |
| 65 | 80 | Education services | 23 | 4 | 16 | 10 | 2 |
| 66 | 85 | Health and social work services | 608 | | | 29 | |
| 67 | 90 | Sewage and refuse disposal services, sanitation | 151 | 97 | | | 3 |
| 68 | 91 | Membership organization services nec | 55 | 15 | 141 | 10 | 12 |
| 69 | 92 | Recreational, cultural and sporting services | 34 | | 13 | | 2 |
| 70 | 93 | Otherservices | 113 | 42 | 3 | 81 | 493 |
| 71 | 95 | Services of private households | | | | | |
| 72 | | Intermediate production of sectors (column 1 to 71) or | | | | | |
| | | Final use of goods (column 73 to 81) | 8140 | 1985 | 786 | 3063 | 1224 |
| | | | | | | | |

| | | | | | | demand of g | goods |
|----------|----------------|---|-------------|---------------|-------------|-------------|----------|
| | | Demand | | | Domestic | | Public |
| | | | Services of | | private | Consumpti | consum |
| | | | private | Total | household | on | - |
| | | | household | IUGH | consumpti | expenditur | on |
| | | Supply | s | | on | e of NPISHs | expendit |
| | | | | | evnenditur | | e |
| | | No. | 71 | 72 | 73 | 74 | 75 |
| No. | CPA | СРА | 95 | | | | |
| 1 | 01 | Agricultural products and products of hunting | 1 | 3249 | 2582 | | - |
| 2 | 02 | Products and services of forestry and logging | | 232 | 99 | | |
| 3 | 05 | Fish and other fishing products | | 31 | 44 | | |
| 4 | 10 | Coal and lignite; peat | | 311 | 53 | | |
| 5 | 11 | Crude oil, natural gas, extraction services thereof | | 2271 | 1072 | | |
| 6 | 12 | Uranium and thorium ores | | | | | |
| 7 | 13 | Metal ores | | 183 | | | |
| 8 | 14 | Othermining and quanying products | | 427 | 15 | | |
| 9 | 15.1 - 15.8 | Food products | | 8436 | 11521 | | |
| 10 | 15.9 | Beverages | | 1369 | 2024 | | |
| 11 | 16 | Tobacco products | | 20 | 542 | | |
| 12 | 17 | Textiles | | 1736 | 1632 | | |
| 13 | 18 | Wearing apparel | | 427 | 3107 | | |
| 14 | 19 | Leather and leather products | | 331 | 1003 | | |
| 15 | 20 | Wood and products of wood and cork (excl. furniture) | | 3609 | 139 | | |
| 16 | 21.1 | wood and products of wood and conk (excl. numbure) Pulp, paper and paperboard | | 3367 | 8 | | |
| 7 | 21.2 | Auticles of paper and paperboard | | 2362 | 493 | | |
| 8 | 21.2 | | | 1694 | 2711 | | |
| o 9 | 22.1 | Books, newspapers and other printed matter and recorded media | | 3728 | 344 | | |
| 9 20 | 22.2 - 22.3 | Printing services; reproduction services of recorded media | | 3728 8184 | 344 4571 | | |
| | | Coke, refined petroleum products | | | - | | 40 |
| 1 | 24.4 | Phamaceuticals | | 1819 | 1193 | | 13 |
| 2 | 24 (ohne 24.4) | Chemicals (excl. pharmaceuticals) | | 23283 | 1466 | | |
| 3 | 25.1 | Rubberproducts | | 1770 | 434 | | |
| 24 | 25.2 | Plastic products | | 6879 | 499 | | |
| 25 | 26.1 | Glass and glass products | | 1259 | 198 | | |
| 26 | 26.2 - 26.8 | Othernon-metallic mineral products (excl. glass and glass products) | | 4243 | 319 | | |
| 27 | 27.1 27.3 | Basic iron, steel, tubes and semifinished products thereof | | 14977 | | | |
| 28 | 27.4 | Nonfenous metals and semifinished products thereof | | 5608 | | | |
| 29 | 27.5 | Foundry work services | | 2427 | | | |
| 30 | 28 | Fabricated metal products | | 14094 | 848 | | |
| 31 | 29 | Machinery and equipment | | 12007 | 1682 | | |
| 32 | 30 | Office machinery and computers | | 2179 | 351 | | |
| 33 | 31 | Electrical machinery and apparatus nec | | 11504 | 363 | | |
| 34 | 32 | Radio, television and communication equipment and apparatus | | 4955 | 648 | | |
| 35 | 33 | Medical, precision and optical instruments; watches and clocks | | 1959 | 857 | | 3 |
| 86 | 34 | Motorvehicles | | 22694 | 9726 | | |
| 37 | 35 | Other transport equipment | | 2711 | 661 | | |
| 8 | 36 | Funiture; other manufactured goods | | 1086 | 3681 | | |
| 39 | 37 | Secondary raw materials | | 811 | | | |
| 40 | 40.1, 40.3 | Electricity, steam and hot water; production and distr: services thereof | | 5049 | 2064 | | |
| 11 | 40.2 | Manufactured gas, distr: services of gaseous fuels through mains | | 785 | | | |
| 2 | 41 | Collected and nuified water, distribution of water | | 681 | 392 | | |
| 3 | 45.1 - 45.2 | Site preparation work, building construction and civil engineering | | 1587 | 002 | | |
| 4 | 45.3 - 45.5 | Building installation and completion works | | 3593 | 268 | | |
| 5 | 50 | Vehicles: trade, maint, and repairsery.; retail trade of automotive fuels | | 2274 | 5704 | | |
| .6 | 51 | Wholesale trade (excl. vehicles) | | 12043 | 5.01 | | 3 |
| 7 | 52 | Retail trade (excl. vehicles) | | 1312 | 18195 | | 12 |
| 8 | 55 | Hotel and restaurant services | | 1120 | 8499 | | 12 |
| 9 | 60.1 | Railway transportation services | | 545 | 1056 | | |
| 0 | 60.2 - 60.3 | Other land transportation services and transp. services via pipelines | | 4506 | | | |
| 1 | 61 | Vulertanu dansportadon services and dansp. services via pipelines Water transport services | | 441 | 236 | | |
| 2 | 62 | - | | 1290 | 1501 | | |
| 3 | 63 | Air transport services | | 7794 | 1085 | | 3 |
| 5 54 | 64 | Supporting and auxiliary transport services Post and telecommunication services | | 5821 | 2720 | | |
| 55 | 65 | | | 11700 | 3200 | | |
| 55 56 | 66 | Financial intermediation services | | 5028 | 3651 | | |
| 7 | 67 | Insurance services, except compulsory social security services | | 4660 | 56 | | |
| 7 8 | 70 | Services auxiliary to financial intermediation | | 4660 14017 | 30 31712 | | |
| 9 | 70 71 | Real estate services | | 6216 | 634 | | |
| | | Renting services of machinery and eq. (without personal services) | | | | | |
| 0 | 72 | Computer and related services | | 3783 | 135 | | |
| 51 | 73 | Research and development services | | 1102 | | 423 | 8 |
| 52 | 74 | Otherbusiness services | | 34012 | 1132 | | 100 |
| 3 | 75.1 - 75.2 | Administation services of the state, defence services | | 1949 | 424 | | 168 |
| 4 | 75.3 | Compulsory social security services | | 10 | | | 30 |
| 5 | 80 | Education services | | 2175 | 1320 | | |
| 66 | 85 | Health and social work services | | 797 | 6362 | | 175 |
| 57 | 90 | Sewage and refuse disposal services, sanitation | | 1753 | 1078 | | |
| 8 | 91 | Membership organization services nec | | 963 | 396 | 1354 | |
| 69 | 92 | Recreational, cultural and sporting services | | 2963 | 4286 | 399 | 10 |
| 70 | 93 | Otherservices | | 1802 | 2603 | | |
| ·1 | 95 | Services of private households | | | 913 | | |
| 2 | | Intermediate production of sectors (column 1 to 71) or | | | | | |
| | | Final use of goods (column 73 to 81) | | 319999 | 155955 | 4604 | 529 |

| | | \sim | | Final | demand of | goods | | |
|----------|------------------------|--|-----------|-----------|-------------|---------------|---------------|----------------|
| | | Demand | Capital i | rvestment | Changes | | | |
| | | | Plant and | | in stocks | | | Total |
| | | | other | | and net | Execute | Total | demand |
| | | | | Buildings | acquisiti | Exports | TULAI | of goods |
| | | Supply | equipme | | onof | | | U |
| | | | nt | | valuables | | | |
| | | N | - | 77 | 78 | 79 | 81 | 82 |
| No. | CPA | СР | | | | | | |
| 1 | 01 | Agricultural products and products of hunting | -16 | 518 | -39 | 577 | 3622 | 6870 |
| 2 | 02 | Products and services of forestry and logging | 1 | | -1 | 58 | 158 | 389 |
| 3 | 05 | Fish and otherfishing products | | | -9 | 35 | 71 | 102 |
| 4 | 10 | Coal and lignite; peat | | | 11 | 266 | 330 | 641 |
| 5 | 11 | Crude oil, natural gas, extraction services thereof | 16 | | 145 | 65 | 1308 | 3579 |
| 6 | 12 | Uranium and thorium ores | | | | | | |
| 7 | 13 | Metal ores | | | 0 | 5 | 5 | 188 |
| 8 | 14 | Othermining and quanying products | | | -1 | 356 | 369 | 796 |
| 9 | 15.1 - 15.8 | Food products | | | 186 | 4145 | 15870 | 24306 |
| 10 | 15.9 | Beverages | | | -53 | 454 | 2438 | 3807 |
| 11 | 16 | Tobacco products | | | -126 | 307 | 724 | 744 |
| 12 | 17 | Textiles | 36 | | 2 | 2213 | 3883 | 5620 |
| 13 | 18 | Wearing apparel | 1 | | -212 | 1516 | 4412 | 4839 |
| 14 | 19 | Leather and leather products | | | -174 | 583 | 1411 | 1743 |
| 15 | 20 | Wood and products of wood and cork (excl. furniture) | 33 | 382 | | 902 | 1464 | 5073 |
| 16 | 21.1 | Pulp, paper and paperboard | 1 | | -43 | 1942 | 1907 | 5274 |
| 17 | 21.2 | Articles of paper and paperboard | 1 - | | -103 | 1069 | 1458 | 3820 |
| 18 | 22.1 | Books, newspapers and other printed matter and recorded media | 9 | | -406 | 1305 | 3618 | 5313 |
| 19 | 22.2 - 22.3 | Printing services; reproduction services of recorded media | 180 | | 4 | 221 | 749 | 4476 |
| 20 21 | 23 24.4 | Coke, refined petroleum products | | | 393 -590 | 2289 5479 | 7261 7468 | 15445 9287 |
| | | Pharmaceuticals | | | | | | |
| 22 23 | 24 (ohne 24.4) 25.1 | Chemicals (excl. pharmaceuticals) | | | 326 5 | 10326 1384 | 12121 1829 | 35404 3599 |
| 23 24 | 25.1 | Rubber products | 6 31 | 39 | 5 11 | 1384 3184 | 1829 3764 | 3599 10642 |
| 24 | 26.1 | Plastic products | 9 | 39 | 5 | 592 | 804 | 2062 |
| 25 | 26.2 - 26.8 | Glass and glass products | 8 | 19 | 66 | 731 | 1144 | 5387 |
| 20 | 27.1 27.3 | Othernon metallic mineral products (excl. glass and glass products) | 15 | 121 | 7 | 4080 | 4222 | 19199 |
| 28 | 27.1 27.3 | Basic iron, steel, tubes and semifinished products thereof | 13 | 121 | 14 | 3373 | 3388 | 8996 |
| 20 | 27.4 | Nonferrous metals and semifinished products thereof | 15 | | 4 | 746 | 765 | 3192 |
| 30 | 28 | Foundry work services | 628 | 1010 | - | 4616 | 7093 | 21187 |
| 31 | 20 | Fabricated metal products | 6937 | 246 | -17 | 20853 | 29701 | 41708 |
| 32 | 30 | Machinery and equipment | 1619 | 240 | 167 | 3350 | 5488 | 7667 |
| 33 | 31 | Office machinery and computers | 1344 | 177 | -98 | 6712 | 8498 | 20002 |
| 34 | 32 | Electrical machinery and apparatus nec | 1146 | 177 | 391 | 6521 | 8706 | 13661 |
| 35 | 33 | Radio, television and communication equipment and apparatus | 1819 | | -10 | 6105 | 9104 | 11062 |
| 36 | 34 | Medical, precision and optical instruments; watches and clocks Motor vehicles | 4108 | | -236 | 27344 | 40942 | 63636 |
| 37 | 35 | Other transport equipment | 1935 | 15 | | 5922 | 8541 | 11252 |
| 38 | 36 | Funiture; other manufactured goods | 826 | 19 | | 2345 | 7059 | 8144 |
| 39 | 37 | Secondary raw materials | 020 | | 0 | 20.0 | 0 | 811 |
| 40 | 40.1.40.3 | Electricity, steam and hot water; production and distr: services thereof | | | - | 1276 | 3358 | 8407 |
| 41 | 40.2 | Manufactured gas, distr: services of gaseous fuels through mains | | | | 687 | 687 | 1471 |
| 42 | 41 | Collected and purified water: distribution of water | | | | 198 | 589 | 1270 |
| 43 | 45.1 - 45.2 | Site preparation work, building construction and civil engineering | | 11616 | | 9 | 11625 | 13212 |
| 44 | 45.3 - 45.5 | Building installation and completion works | | 9914 | | 1013 | 11195 | 14789 |
| 45 | 50 | Vehicles: trade, maint. and repair serv.; retail trade of automotive fuels | 1012 | | | | 6715 | 8989 |
| 46 | 51 | Wholesale trade (excl. vehicles) | 1440 | | -762 | 9596 | 10576 | 22619 |
| 47 | 52 | Retail trade (excl. vehicles) | 206 | | | 11 | 19671 | 20984 |
| 48 | 55 | Hotel and restamant services | 1 | | | 600 | 9099 | 10218 |
| 49 | 60.1 | Railway transportation services | | | | 192 | 1248 | 1793 |
| 50 | 60.2 - 60.3 | Other land transportation services and transp. services via pipelines | 1 | | | 628 | 2090 | 6596 |
| 51 | 61 | Water transport services | | | | 1597 | 1833 | 2274 |
| 52 | 62 | Airtransport services | | | | 1023 | 2524 | 3814 |
| 53 | 63 | Supporting and auxiliary transport services | 1 | | | 947 | 2348 | 10142 |
| 54 | 64 | Post and telecommunication services | | | | 1512 | 4232 | 10053 |
| 55 | 65 | Financial intermediation services | 1 | | | 2271 | 5470 | 17170 |
| 56 | 66 | Insurance services, except compulsory social security services | | | | 1584 | 5235 | 10263 |
| 57 | 67 | Services auxiliary to financial intermediation | | | | 195 | 251 | 4910 |
| 58 | 70 | Real estate services | | 579 | | 124 | 32442 | 46459 |
| 59 | 71 | Renting services of machinery and eq. (without personal services) | 0070 | | | 005 | 634 | 6850 |
| 60 61 | 72 73 | Computer and related services | 2873 | | | 905 793 | 3913 | 7696 |
| 61 62 | 73 74 | Research and development services | 92 | 1469 | | 793 2894 | 2102 5588 | 3204 39599 |
| 62 63 | 74 75.1 - 75.2 | Otherbusiness services | 92 | 234 | | 2894 126 | 5588 17595 | 39599 19544 |
| 63 64 | 75.1 - 75.2 75.3 | Administation services of the state, defence services | | 234 | | 120 | 3057 | 19544 3066 |
| 64 65 | 75.3 80 | Compulsory social security services | | | | | 12238 | 3066 14413 |
| 66 | 85 | Education services | 1 | | | 1677 | 26853 | 27650 |
| 66 67 | 85 90 | Health and social work services | | | | 753 | 26853 1834 | 3586 |
| 68 | 90 91 | Sewage and refuse disposal services, sanitation | | | | 753 | 1834 | 2784 |
| 69 | 91 | Membership organization services nec | 467 | | 34 | 223 | 6497 | 9460 |
| 69 70 | 92 93 | Recreational, cultural and sporting services | 407 | | 54 | 131 | 2734 | 9460 4536 |
| 70 | 93 95 | Otherservices Somions of winted households | 1 | | | 131 | 2734 913 | 4556 913 |
| 72 | | Services of private households Intermediate production of sectors (column 1 to 71) or | | | | | 313 | 313 |
| | | Final use of goods (column 73 to 81) | 26795 | 26358 | -947 | 162932 | 428658 | 748657 |
| ı 1 | 1 | THER FOR A SAME (COMPLET () IN OT) | _0,00 | _0000 | 0.17 | | | |
| | | | | | | | | |

| | | Demand | Agricultural products and products of hunting | and services of forestry | Hish and other fishing products | Coal and lignite; peat | cnuce on, natural gas, extraction services thereof | Uranium and thorium ores | | Other mining and quanying products | Food products | Beverages |
|-----|-----|--|---|--------------------------------|--|------------------------------|---|-----------------------------------|-----|---|------------------|-----------|
| | | No. | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| No. | CPA | СРА | UL | 02 | 05 | 10 | 11 | 12 | 13 | 14 | 15.1 - 15.8 | |
| 73 | | Taxes minus subsidies | 102 | 4 | 0 | 4 | 0 | | | 8 | 387 | 35 |
| 74 | | Intermediate production of sectors (column 1 to 71) or final | | | | | | | | | | |
| | | use of goods (column 73 to 81) at purchase price | 3985 | 183 | 28 | 593 | 166 | | | 574 | 12957 | 1839 |
| 75 | | Domestic wages | 593 | 44 | 4 | 165 | 20 | | | 72 | 3670 | 641 |
| 76 | | Other duties minus subsidies | -443 | -21 | 1 | -92 | 2 | | | 4 | 50 | 8 |
| 77 | | Depreciation | 571 | 27 | 6 | 32 | 17 | | | 29 | 682 | 323 |
| 78 | | Net suphis | 541 | 109 | 8 | -74 | 26 | | | 35 | 530 | 378 |
| 79 | | Gross value added | 1262 | 159 | 19 | 31 | 66 | | | 140 | 4932 | 1350 |
| 80 | | Production value | 5247 | 342 | 47 | 623 | 232 | | | 714 | 17890 | 3189 |
| 82 | | Imports of similar goods at cif prices | 1624 | 48 | 55 | 18 | 3347 | | 188 | 82 | 6416 | 618 |
| 84 | | Total supply of goods | 6870 | 389 | 102 | 641 | 3579 | | 188 | 796 | 24306 | 3807 |

| | | Demand Supply | Tobacco products | Textiles | Weating apparel | Leather and leather products | wood and | Pulp, paper and paperboard | paperand | printed | reproductio n services of recorded | petroleum |
|-----|-----|--|---------------------|----------|--------------------|------------------------------------|----------|----------------------------------|----------|---------|--|-----------|
| | | No. | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| No. | CPA | CPA | 10 | 17 | 18 | 19 | 20 | 21.1 | 21.2 | 22.1 | 22.2 - 22.3 | 23 |
| 73 | | Taxes minus subsidies | 43 | 27 | 20 | 5 | 43 | 50 | 18 | 36 | 25 | 11 |
| 74 | | Intermediate production of sectors (column 1 to 71) or final | | | | | | | | | | |
| | | use of goods (column 73 to 81) at punchase price | 359 | 1575 | 1171 | 353 | 2595 | 2070 | 2069 | 2297 | 2176 | 4563 |
| 75 | | Domestic wages | 127 | 654 | 307 | 110 | 822 | 446 | 701 | 990 | 1137 | 282 |
| 76 | | Other duties minus subsidies | 24 | 18 | 13 | 4 | 21 | 19 | 15 | 45 | 38 | 32 |
| 77 | | Depreciation | 36 | 184 | 32 | 27 | 169 | 185 | 190 | 272 | 370 | 123 |
| 78 | | Net surplus | 57 | 47 | 91 | 27 | 266 | 181 | 32 | 827 | 490 | 481 |
| 79 | | Gross value added | 243 | 903 | 443 | 167 | 1278 | 831 | 938 | 2134 | 2034 | 917 |
| 80 | | Production value | 602 | 2478 | 1614 | 521 | 3873 | 2901 | 3007 | 4431 | 4211 | 5480 |
| 82 | | Imports of similar goods at cif prices | 142 | 3142 | 3224 | 1222 | 1200 | 2373 | 813 | 882 | 265 | 9965 |
| 84 | | Total supply of goods | 744 | 5620 | 4839 | 1743 | 5073 | 5274 | 3820 | 5313 | 4476 | 15445 |

| | | Demand Supply | Phamaceu ticals | Chemicals (excl. phamaceu ticals) | Rubber products | Plastic products | Glass and glass products | metallic mineral products | steel, tubes and semifinishe d products | d nuoducts | work | Rabricated metal products |
|-----|-----|--|--------------------|--|--------------------|---------------------|--------------------------------|---------------------------------|--|------------|------|---------------------------------|
| | | No. | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| No. | CPA | CPA | 24.4 | /4 (ohne 2/4. | 25.1 | 25.2 | 26.1 | 26.2 - 26.8 | 27.1 - 27.3 | 27.4 | 27.5 | 28 |
| 73 | | Taxes minus subsidies | 20 | 187 | 16 | 54 | 24 | 57 | - 95 | 37 | 23 | 108 |
| 74 | | Intermediate production of sectors (column 1 to 71) or final | | | | | | | | | | |
| | | use of goods (column 73 to 81) at purchase price | 2492 | 20828 | 1163 | 5204 | 730 | 2265 | 12280 | 3743 | 1435 | 9994 |
| 75 | | Domestic wages | 1348 | 3317 | 587 | 2188 | 460 | 1274 | 1173 | 617 | 702 | 5493 |
| 76 | | Other duties minus subsidies | 40 | 187 | 17 | 60 | 11 | 29 | 54 | 21 | 11 | 150 |
| 77 | | Depreciation | 170 | 1159 | 106 | 388 | 111 | 391 | 287 | 98 | 167 | 839 |
| 78 | | Net supplies | 550 | 947 | 84 | 585 | 15 | 63 | 606 | 2 | 197 | 1375 |
| 79 | | Gross value added | 2108 | 5609 | 794 | 3221 | 598 | 1757 | 2120 | 738 | 1078 | 7856 |
| 80 | | Production value | 4600 | 26437 | 1957 | 8424 | 1328 | 4022 | 14400 | 4481 | 2513 | 17850 |
| 82 | | Imports of similar goods at cif prices | 4687 | 8967 | 1642 | 2218 | 735 | 1365 | 4799 | 4515 | 678 | 3337 |
| 84 | | Total supply of goods | 9287 | 35404 | 3599 | 10642 | 2062 | 5387 | 19199 | 8996 | 3192 | 21187 |

| | | Demand Supply | Machinery and equipment | machinery and | and apparatus | ation | vienca, precision and optical instrument s; watches and clocks | Motor vehicles | Other transport equipment | Furniture; other manufactur ed goods | Secondary | Electricity, steam and hot water; production and distribution |
|-----|-----|--|-------------------------------|------------------|------------------|-------|---|-------------------|---------------------------------|---|-----------|--|
| | | No. | | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| No. | CPA | СРА | ~~~ | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 40.1, 40.3 |
| 73 | | Taxes minus subsidies | 142 | - 38 | - 74 | 87 | - 48 | 158 | 57 | 39 | 42 | 124 |
| 74 | | Intermediate production of sectors (column 1 to 71) or final | | | | | | | | | | |
| | | use of goods (column 73 to 81) at purchase price | 19769 | 1839 | 9299 | 4124 | 3535 | 40035 | 3965 | 3226 | 526 | 4592 |
| 75 | | Domestic wages | 9744 | 430 | 4352 | 1546 | 2761 | 8831 | 1542 | 1460 | 128 | 1062 |
| 76 | | Other duties minus subsidies | 237 | 5 | 70 | 13 | 56 | 82 | -8 | 33 | 7 | 137 |
| 77 | | Depreciation | 1128 | 124 | 590 | 465 | 280 | 2022 | 193 | 250 | 24 | 762 |
| 78 | | Net surplus | 2259 | -18 | 452 | 20 | 1140 | -166 | 174 | 298 | 36 | 1097 |
| 79 | | Gross value added | 13368 | 541 | 5464 | 2044 | 4236 | 10769 | 1901 | 2040 | 195 | 3058 |
| 80 | | Production value | 33137 | 2380 | 14764 | 6168 | 7772 | 50804 | 5867 | 5266 | 721 | 7650 |
| 82 | | Imports of similar goods at cif prices | 8571 | 5287 | 5239 | 7493 | 3291 | 12831 | 5385 | 2878 | 90 | 757 |
| 84 | | Total supply of goods | 41708 | /66/ | 20002 | 13661 | 11062 | 63636 | 11252 | 8144 | 811 | 8407 |

| | | Demand | Manuzcui ed gas, distribution services of gaseous fuels | purified water; distribution of water | work, building | and completion works | maintenan | trade (excl. vehicles) | vehicles) | restaurant services | transportat on services | and transportati on services |
|-----|-----|--|--|--|-------------------|----------------------------|-----------|---------------------------|-----------|------------------------|----------------------------|------------------------------------|
| No | СРА | No. | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| No. | CPA | CPA | -1004 | 41 | 45.1 - 45.2 | 45.3 - 45.5 | | 51 | 52 | 55 | 60.1 | 60.2 60.3 |
| 73 | | Taxes minus subsidies | 24 | 15 | 97 | 103 | 44 | 191 | 164 | 168 | 3 33 | 324 |
| 74 | | Intermediate production of sectors (column 1 to 71) or final | | | | | | | | | | |
| | | use of goods (column 73 to 81) at purchase price | 783 | 310 | 8224 | 9164 | 2903 | 9449 | 8266 | 4721 | 1266 | 3241 |
| 75 | | Domestic wages | 325 | 236 | 3272 | 3289 | 3585 | 8098 | 8741 | 2816 | 6 476 | 6 2252 |
| 76 | | Other duties minus subsidies | 27 | 5 | 47 | 50 | 146 | 631 | 296 | 11 | -34 | l 9 |
| 77 | | Depreciation | 240 | 323 | 521 | 110 | 295 | 959 | 751 | 292 | 2 505 | 5 116 |
| 78 | | Net surplus | 96 | 396 | 940 | 2176 | 1252 | 3074 | 2104 | 942 | 2 -581 | 377 |
| 79 | | Guoss value added | 688 | 960 | 4781 | 5625 | 5277 | 12762 | 11892 | 4061 | 367 | 2754 |
| 80 | | Production value | 1471 | 1270 | 13005 | 14789 | 8180 | 22211 | 20158 | 8782 | 2 1632 | 2 5995 |
| 82 | | Imports of similar goods at cif prices | | | 207 | | 809 | 408 | 826 | 1436 | 6 161 | 602 |
| 84 | | Total supply of goods | 14/1 | 1270 | 13212 | 14789 | 8989 | 22619 | 20984 | 10218 | 3 1793 | 6596 |

| | | \sim | | | | | | | | | | | |
|-----|-----|--|--------------------------------|------------------------------|---|---|-------|-------|---|----------------------|-----------|-------------------------------------|--|
| | | Demand | Water transport services | Air transport services | Supporting and auxiliary transport services | Post and telecommu nication services | | | Services auxiliary to financial intermediat ion | Heal estate | machinerv | Computer and related services | |
| | | No. | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | |
| No. | CPA | CPA | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 70 | 71 | 72 | |
| 73 | | Taxes minus subsidies | 46 | 5 | 177 | 110 | 439 | 489 | 35 | 364 | 34 | 25 | |
| 74 | | Intermediate production of sectors (column 1 to 71) or final | | | | | | | | | | | |
| | | use of goods (column 73 to 81) at purchase price | 1311 | 2731 | 5912 | 5552 | 7295 | 7800 | 2138 | 9495 | 1561 | 2203 | |
| 75 | | Domestic wages | 92 | 348 | 1852 | 1468 | 5106 | 1924 | 562 | 1477 | 324 | 3099 | |
| 76 | | Other duties minus subsidies | 13 | 13 | 62 | 40 | 308 | 154 | 21 | 1213 | 28 | 38 | |
| 77 | | Depreciation | 240 | 127 | 848 | 904 | 634 | 234 | 16 | 11410 | 4741 | 601 | |
| 78 | | Net surplus | 339 | 67 | 617 | 1785 | 3388 | 26 | 1360 | 18572 | 57 | 813 | |
| 79 | | Gross value added | 684 | 555 | 3379 | 4197 | 9436 | 2339 | 1959 | 32671 | 5151 | 4550 | |
| 80 | | Production value | 1995 | 3286 | 9291 | 9749 | 16731 | 10139 | 4097 | 42166 | 6712 | 6754 | |
| 82 | | Imports of similar goods at cif prices | 279 | 528 | 850 | 304 | 440 | 124 | 813 | 4293 | 138 | 942 | |
| 84 | | Total supply of goods | 2274 | 3814 | 10142 | 10053 | 17170 | 10263 | 4910 | 46459 | 6850 | 7696 | |

| | | Demand Supply | Research and developme nt services | Other business services | Administrati on services of the state, defence services | Compulsor y social security services | Education services | Health and social work services | Sewage and refuse disposal services, sanitation | Р | Recreation al, cultural and sporting services | Other services | | | |
|-----|-----|--|---|-------------------------------|--|---|-----------------------|---------------------------------------|---|------|---|-------------------|--|--|--|
| | | No. | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | | | |
| No. | CPA | СРА | 70 | 74 | 75.1 - 75.2 | | 80 | 85 | 90 | 91 | 92 | 93 | | | |
| 73 | | Taxes minus subsidies | 91 | 202 | 708 | 82 | 268 | 819 | 116 | 46 | 228 | 29 | | | |
| 74 | | Intermediate production of sectors (column 1 to 71) or final | | | | | | | | | | | | | |
| | | use of goods (column 73 to 81) at purchase price | 1495 | 13792 | 6854 | 1022 | 3205 | 8959 | 2102 | 833 | 3291 | 1253 | | | |
| 75 | | Domestic wages | 887 | 11798 | 10360 | 1842 | 9008 | 12161 | 531 | 1664 | 1915 | 657 | | | |
| 76 | | Other duties minus subsidies | -34 | 128 | -44 | 1 | -45 | -499 | -34 | -9 | -15 | 63 | | | |
| 77 | | Depreciation | 226 | 863 | 2261 | 102 | 879 | 2098 | 825 | 75 | 996 | 131 | | | |
| 78 | | Net supplies | 35 | 11262 | | | 237 | 4931 | 163 | 15 | 1168 | 2429 | | | |
| 79 | | Gross value added | 1114 | 24052 | 12577 | 1945 | 10079 | 18691 | 1485 | 1746 | 4064 | 3279 | | | |
| 80 | | Production value | 2609 | 37844 | 19431 | 2968 | 13284 | 27650 | 3586 | 2578 | 7354 | 4531 | | | |
| 82 | | Imports of similar goods at cif prices | 595 | 1755 | 113 | 99 | 1129 | | | 205 | 2105 | 5 | | | |
| 84 | | Total supply of goods | 3204 | 39599 | 19544 | 3066 | 14413 | 27650 | 3586 | 2784 | 9460 | 4536 | | | |

| | | \sim | | | Final demand of goods Final demand of goods | | | | | | | | |
|-----|-------|--|-------------|--------|---|-------------|------------|--------------------|-----------|-------------|---------|--------|-----------|
| | | Demand | | | Domesuc | | Public | Capital investment | | | | | |
| | | | Services of | | - | Consumpti | consumpti | | | stocks and | | I | Total |
| | | | private | Total | household | on | on | Plant and | | net | Exports | Total | demand of |
| | | | household | IUuu | consumpti | expenditur | expenditur | other | Buildings | acquisition | Lapono | rotar | goods |
| | | Supply | S | | on | e of NPISHs | | equipment | | of | | | |
| | | | | 70 | expenditur | | e | | | valuables | 70 | | |
| | 0.5.4 | No. | | 72 | 73 | 74 | 75 | 76 | - 77 | 78 | 79 | 81 | 82 |
| No. | CPA | CPA | 95 | | | | | | | | | | |
| 73 | | Taxes minus subsidies | | 7726 | 19110 | | 660 | 572 | 3362 | | -63 | 23641 | 31366 |
| 74 | | Intermediate production of sectors (column 1 to 71) or final | | | | | | | | | | | |
| | | use of goods (column 73 to 81) at punchase price | | 327724 | | 4604 | 53622 | 27367 | 29719 | -947 | 162869 | 452299 | 780023 |
| 75 | | Domestic wages | 735 | 160700 | | | | | | | | | |
| 76 | | Other duties minus subsidies | | 3541 | | | | | | | | | |
| 77 | | Depreciation | | 45148 | | | | | | | | | |
| 78 | | Net surplus | | 71811 | | | | | | | | | |
| 79 | | Gross value added | 735 | 281200 | | | | | | | | | |
| 80 | | Production value | 735 | 608924 | | | | | | | | | |
| 82 | | Imports of similar goods at cif prices | 179 | 139733 | | | | | | | | | |
| 84 | | Total supply of goods | 913 | 748657 | | | | | | | | | |