



EUROPEAN CLUSTER
COLLABORATION PLATFORM

Methodology Notes for the ECCP Cluster Mapping and the EU27 Factsheets

Definitions, description of secondary data
approach and additional tables

An initiative of the European Union







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01

Definition of Cluster Actors



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1. Definition of Cluster Actors

The ECCP identifies eight specific types of cluster actors, which are defined below:

1. Cluster Organisation

Organisations with a remit to support the strengthening of collaboration, networking and learning within a cluster. They provide or channel specialised and customised support to boost innovation competitiveness among their members.

2. Members of cluster organisations

Members of cluster organisations include large firms, SMEs, start-ups, research organisations, incubators/ accelerators, technology centres, public or policy institutions, NGOs and civil society bodies. Each member can be part of one or several cluster organisations.

3. EUROCLUSTERS, European cluster partnerships and initiatives

Initiatives and/or partnerships between cluster organisations and/or other cluster actors that are promoted by the European Commission. These include Euroclusters, European Cluster Partnerships (ESCPs), H2020 Innosup-1 cluster projects, international business partnership actions, joint cluster initiatives, low carbon business actions and other new initiatives that may be developed.

4. National associations of clusters

National associations that represent either all or a part of all cluster organisations in a specific country.

5. Meta clusters and networks of clusters

Small collaborative networks between clusters (cross-border, across Europe or even international), mainly in a specific sector, operating under one brand.

6. Training providers

Organisations or individuals that provide training and/or coaching services for cluster organisations and/or cluster policymakers.

7. Resource efficiency support actors

Environmental and/or resource efficiency support agencies and business intermediaries that offer services in support of SMEs.

8. Policy or Public Institutions

National and regional policy institutions that are working with clusters and/or implementing a cluster policy.

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Secondary Data Collection & Processing



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2. Secondary Data Collection & Processing

Below, the different indicators and data sources that are used in the ECCP Mapping Tool as well as the EU27 Country factsheets on cluster policies and programmes are presented. The data covers 88 NACE 2.0 2-digit categories in each of the 201 defined regional units¹. Below, each of the indicators is defined and the methodology employed for the processing of the data is described.

Indicators

Employment

Definition	Total number of persons employed
Unit	Number of persons employed
Source	The collection and processing of data on employment is drawn from the Structural Business Statistics (SBS), the Labour Force Survey (LFS) and the Regional Accounts (NA), all of which are found on Eurostat.

Gross Value Added (GVA) at basic prices

Definition	Output value at basic prices less intermediate consumption valued at purchaser's prices
Unit	Euros (Million)
Source	Collected and processed using data drawn from Eurostat's Regional and National Accounts.

Value Added Productivity

Definition	Ratio of gross value added (GVA) at basic prices per number of persons employed
Unit	Euros per employee (Thousand)
Source	Collected and processed using data drawn from Eurostat's Regional and National Accounts and data on employment (see employment indicator).

Specialisation (employment)

Definition	Degree of specialisation of an industry at a given location is measured by the location quotient. The location quotient for an economic sector or industrial ecosystem in a region is calculated as the ratio between the industry's share of employment in that employment in
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¹ The list of all 201 regions included in the analysis is shown in Annex 2, while the list of 88 Nace-2 digit classifications is shown in Annex 3.



that region over that same industry's share across the EU27 Member States (See Equation below).

$$LQ(r, i) = \frac{\frac{emp(r,i)}{\sum_i emp(r,i)}}{\frac{emp(r,i)}{\sum_{r,i} emp(r,i)}}$$

Unit Specialisation is described by a unitless ratio. A region is considered specialised if the value of the ratio is greater than one, which indicates that the share of the industry in the region is above the share across all EU27 Member States. By definition, very specialized regions are indicated by a location quotient greater than 1.5.

Source Calculated based on employment data (see employment indicator).

Approach to Collecting and Processing Secondary Data

The data processing methodology employed to arrive at these indicators involves several steps. The aim is to collect data on employment and GVA at the regional as well as the 2-digit NACE sectoral levels.

The first step involves the **collection of raw data** for each of these indicators. Regional and industry data is gathered from the EUROSTAT database at the NUTS regional level and the different NACE 2.0 levels. For the number of persons employed, the data stems from the **Structural Business Statistics (SBS)** and the **Labour Force Survey (LFS)**, respectively. The collection of raw data on GVA at basic prices mainly stems from the **National Accounts** and the **Regional Accounts**.

Given the granularity of the analysis, several data points were not available at the defined NUTS and NACE levels for reasons of breaks in times series or confidentiality. Hence, in the second step, the **existing missing values** of the collected and homogenised data were estimated using an imputation procedure based on data available at the higher territorial level (e.g. country level).

The next step contains the **processing of the data** previously collected and partially imputed. Here, the data is processed in such a way that it is broken down at the regional level and the NACE2 sectoral level. Part of this also includes **adjusting the obtained values** in such a way that they match those published by Eurostat at a higher aggregated level of industries and the country level. Hence, when adding the values across the aggregated NACE sectors as well as the regions belonging to a given country, the resulting value must coincide with the published values from Eurostat at the NACE A*10 level. The obtained values are adjusted using a target dataset for each of the indicators employed. These target datasets may combine regional and country data to obtain the "most complete" target dataset at the regional level. For the persons employed, the target dataset is the following:

nama_10r_3empers: Employment (thousand persons) by NUTS 3 regions

Given that the data on employed persons drawn from the National Accounts is only limited to the 1-digit NACE level, the values of each individual sector have to be **disaggregated to the lower 2-digit NACE level**. This is done using the ratio of each sector on the 2-digit NACE level on the respective 1-digit NACE level from the SBS or LFS dataset for each of the defined regional units. The resulting shares are then applied to the value from the National Accounts for each sector at the 1-digit NACE level. Ultimately, when aggregating the values, the resulting **value matches the data from the target dataset**.



Other than for employment, the target datasets for GVA at basic prices stem from a combination of regional and national data and are described by the following datasets:

nama_10r_3gva: Gross value added at basic prices by NUTS 3 regions

nama_10_a64: National accounts aggregates by industry (up to NACE A*64)

As only data on the aggregated NACE (A*10) level is available at the NUTS regional level, these values must be **broken down to the lower NACE level**. This is done by using the ratio of each NACE 2 sector at the respective aggregated NACE sector at the country level. This ratio is then multiplied by the GVA values at the aggregated sector for a given region.

Employing this described approach, it is possible to obtain values for the first two indicators listed above (employment and value added). Based on the collection of processing of the data on these data, the other two remaining indicators (value added productivity and employment specialisation) can be computed.

Industrial Ecosystems

Overall, **14 EU industrial ecosystems** were introduced by the European Commission in 2020.² Such industrial ecosystems encompass related industries and players in a value chain, and consist of the following:

Aerospace & Defence	Health
Agri-food	Mobility-Transport-Automotive
Construction	Proximity & Social Economy
Creative & Cultural Industries	Renewable Energy
Digital	Retail
Electronics	Textile
Energy Intensive Industries	Tourism

Each of the 14 EU industrial ecosystems consists of multiple main economic activities, as reflected in the NACE rev.2 classification. Depending on its influence on a given industrial ecosystem, the sector at the 2-digit NACE level is assigned a certain weight. To obtain data on employment and GVA for each of the industrial ecosystems, the weights outlined in the European Commission Staff working paper have been applied to the collected data.³ As ecosystems are inclined to overlap, sectors at the 2-digit NACE level can flow into various ecosystems. Some sectors are identified as horizontal and thus affect all industrial ecosystems.⁴ Annex 3 presents the economic activities of each industrial ecosystem and their respective weights for employment and GVA.

² For more information, see also <https://clustercollaboration.eu/in-focus/industrial-ecosystems> (last access 27/01/2023).

³ European Commission (2021): Annual Single Market Report 2021. Commission Staff Working Document accompanying the Communication from the Commission to the European Parliament, the Council, the European Economic and Social Committee and the Committee of the Regions. See <https://eur-lex.europa.eu/legal-content/EN/TXT/HTML/?uri=CELEX:52021SC0351&from=en> (last access 27/01/2023)

⁴ These horizontal sectors include the following: C25, C28, C33, E36, E37, E38, E39, M69, 70, M71, M72, N77 and N78.



Specialisation Nodes (Agglomerations)

In this context, specialisation nodes, or agglomerations, are defined as regions that have a high concentration of specific industries or sectors. The concept of specialisation nodes can be evaluated from two perspectives, namely regional-relevant specialisation nodes and industry-relevant specialisation nodes.

Regional-relevant specialisation nodes refer to regions that are highly specialized in a specific sector or industrial ecosystem, with employment in that sector or industrial ecosystem playing a significant role in the region's economy. These specialisation nodes are determined by a Location Quotient greater than 1.5 and a regional employment share higher than 1%.

Industry-relevant specialisation nodes refer to regions that are highly specialized in a specific sector or industrial ecosystem, with the sector or industrial ecosystem's employment share playing a significant role in the EU context. These specialisation nodes are determined by a Location Quotient greater than 1.5 and an EU-wide employment share higher than 1%.

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Annex





Annex 1: List of 201 regions and their respective codes

Region name and respective NUTS codes			
Austria	FRY1. Guadeloupe	ITH1. Autonomous Province of Bolzano	RO31. South-Muntenia
AT11. Burgenland	FRY2. Martinique	ITH2. Autonomous Province of Trento	RO32. Bucharest-Ilfov
AT12. Lower Austria	FRY3. French Guiana	ITH3. Veneto	RO41. South-West Oltenia
AT13. Vienna	FRY4. Réunion	ITH4. Friuli-Venezia Giulia	RO42. West (Romania)
AT21. Carinthia	FRY5. Mayotte	ITH5. Emilia-Romagna	Slovakia
AT22. Styria	Germany	ITI1. Tuscany	SK01. Bratislava
AT31. Upper Austria	DE1. Baden-Württemberg	ITI2. Umbria	SK02. West Slovakia
AT32. Salzburg	DE2. Bavaria	ITI3. Marche	SK03. Central Slovakia
AT33. The Tyrol	DE3. Berlin	ITI4. Lazio	SK04. East Slovakia
AT34. Vorarlberg	DE4. Brandenburg	Latvia	Slovenia
Belgium	DE5. Bremen	LV. Latvia	SI03. East Slovenia
BE1. Brussels Region	DE6. Hamburg	Lithuania	SI04. West Slovenia
BE2. Flemish Region	DE7. Hessen	LT01. Vilnius County	Spain
BE3. Walloon Region	DE8. Mecklenburg-Western Pomerania	LT02. Cultural regions of Lithuania	ES11. Galicia
Bulgaria	DE9. Lower Saxony	Luxembourg	ES12. Asturias
BG31. North-West (Bulgaria)	DEA. North Rhine-Westphalia	LU. Luxembourg	ES13. Cantabria
BG32. North-Central (Bulgaria)	DEB. Rhineland-Palatinate	Malta	ES21. Basque Country
BG33. North-East (Bulgaria)	DEC. Saarland	MT. Malta	ES22. Navarre
BG34. South-East (Bulgaria)	DED. Saxony	Netherlands	ES23. Rioja
BG41. South-West (Bulgaria)	DEE. Saxony-Anhalt	NL11. Groningen	ES24. Aragon
BG42. South-Central (Bulgaria)	DEF. Schleswig-Holstein	NL12. Friesland	ES30. Madrid
Croatia	DEG. Thuringia	NL13. Drenthe	ES41. Castile and Leon
HR03. Adriatic Croatia	Greece	NL21. Overijssel	ES42. Castile-La Mancha
HR04. Continental Croatia	EL30. Attica	NL22. Gelderland	ES43. Extremadura
Cyprus	EL41. North Aegean	NL23. Flevoland	ES51. Catalonia
CY. Cyprus	EL42. South Aegean	NL31. Utrecht	ES52. Valencia
Czechia	EL43. Crete	NL32. North Holland	ES53. Balearic Islands
CZ01. Prague	EL51. East Macedonia, Thrace	NL33. South Holland	ES61. Andalusia
CZ02. Central Bohemia	EL52. Central Macedonia	NL34. Zeeland	ES62. Murcia
CZ03. South-West (Czechia)	EL53. West Macedonia	NL41. North Brabant	ES63. Ceuta
CZ04. North-West (Czechia)	EL54. Epirus	NL42. Limburg	ES64. Melilla
CZ05. North-East (Czechia)	EL61. Thessaly	Poland	ES70. Canary Islands
CZ06. South-East (Czechia)	EL62. Ionian Islands	PL21. Małopolskie	Sweden
CZ07. Central Moravia	EL63. Western Greece	PL22. Śląskie	SE11. Stockholm
CZ08. Moravian Silesia	EL64. Central Greece	PL41. Wielkopolskie	SE12. East-Central Sweden
Denmark	EL65. Peloponnese	PL42. Zachodniopomorskie	SE21. Småland and islands
DK01. Capital (region)	Hungary	PL43. Lubuskie	SE22. South Sweden
DK02. Zealand	HU11. Budapest	PL51. Dolnośląskie	SE23. West Sweden
DK03. South Denmark	HU12. Pest	PL52. Opolskie	SE31. North-Central Sweden
DK04. Central Jutland	HU21. Central Transdanubia	PL61. Kujawsko-pomorskie	SE32. Central Norrland
DK05. North Jutland	HU22. West Transdanubia	PL62. Warmińsko-mazurskie	SE33. Upper Norrland
Estonia	HU23. South Transdanubia	PL63. Pomorskie	
EE. Estonia	HU31. North Hungary	PL71. Łódzkie	
Finland	HU32. North Great Plain	PL72. Świętokrzyskie	
FI19. West Finland	HU33. South Great Plain	PL81. Lubelskie	
FI1B. Helsinki-Uusimaa	Ireland	PL82. Podkarpackie	
FI1C. South Finland	IE04. Northern and Western (Ireland)	PL84. Podlaskie	
FI1D. North and East Finland	IE05. Southern (Ireland)	PL91. Warsaw-Capital	
FI20. Åland Islands	IE06. Eastern and Midland (Ireland)	PL92. Mazowieckie-Regional	
France	Italy	Portugal	
FR1. Île-de-France	ITC1. Piedmont	PT11. North (Portugal)	
FRB. Centre-Val de Loire	ITC2. Valle d'Aosta	PT15. Algarve	
FRC. Burgundy-Franche-Comté	ITC3. Liguria	PT16. Centre (Portugal)	
FRD. Normandy	ITC4. Lombardy	PT17. Lisbon Metropolitan Area	
FRE. Hauts-de-France	ITF1. Abruzzo	PT18. Alentejo	
FRF. Grand Est	ITF2. Molise	PT20. Azores	
FRG. Loire Region	ITF3. Campania	PT30. Madeira	
FRH. Brittany	ITF4. Apulia	Romania	
FRI. New Aquitaine	ITF5. Basilicata	RO11. North-West (Romania)	
FRJ. Occitania	ITF6. Calabria	RO12. Centre (Romania)	
FRK. Auvergne-Rhône-Alpes	ITG1. Sicily	RO21. North-East (Romania)	
FRL. Provence-Alpes-Côte d'Azur	ITG2. Sardinia	RO22. South-East (Romania)	
FRM. Corsica			

Annex 2: List of 88 NACE-2 Digit Classifications

- A01 - Crop and animal production, hunting and related service activities
- A02 - Forestry and logging
- A03 - Fishing and aquaculture
- B05 - Mining of coal and lignite
- B06 - Extraction of crude petroleum and natural gas
- B07 - Mining of metal ores
- B08 - Other mining and quarrying
- B09 - Mining support service activities
- C10 - Manufacture of food products
- C11 - Manufacture of beverages
- C12 - Manufacture of tobacco products
- C13 - Manufacture of textiles
- C14 - Manufacture of wearing apparel
- C15 - Manufacture of leather and related products
- C16 - Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials
- C17 - Manufacture of paper and paper products
- C18 - Printing and reproduction of recorded media
- C19 - Manufacture of coke and refined petroleum products
- C20 - Manufacture of chemicals and chemical products
- C21 - Manufacture of basic pharmaceutical products and pharmaceutical preparations
- C22 - Manufacture of rubber and plastic products
- C23 - Manufacture of other non-metallic mineral products
- C24 - Manufacture of basic metals
- C25 - Manufacture of fabricated metal products, except machinery and equipment
- C26 - Manufacture of computer, electronic and optical products
- C27 - Manufacture of electrical equipment
- C28 - Manufacture of machinery and equipment n.e.c.
- C29 - Manufacture of motor vehicles, trailers and semi-trailers
- C30 - Manufacture of other transport equipment
- C31 - Manufacture of furniture
- C32 - Other manufacturing
- C33 - Repair and installation of machinery and equipment
- D35 - Electricity, gas, steam and air conditioning supply
- E36 - Water collection, treatment and supply
- E37 - Sewerage
- E38 - Waste collection, treatment and disposal activities; materials recovery
- E39 - Remediation activities and other waste management services
- F41 - Construction of buildings
- F42 - Civil engineering
- F43 - Specialised construction activities
- G45 - Wholesale and retail trade and repair of motor vehicles and motorcycles
- G46 - Wholesale trade, except of motor vehicles and motorcycles
- G47 - Retail trade, except of motor vehicles and motorcycles
- H49 - Land transport and transport via pipelines
- H50 - Water transport

H51 - Air transport
H52 - Warehousing and support activities for transportation
H53 - Postal and courier activities
I55 - Accommodation
I56 - Food and beverage service activities
J58 - Publishing activities
J59 - Motion picture, video and television programme production, sound recording and music publishing activities
J60 - Programming and broadcasting activities
J61 - Telecommunications
J62 - Computer programming, consultancy and related activities
J63 - Information service activities
K64 - Financial service activities, except insurance and pension funding
K65 - Insurance, reinsurance and pension funding, except compulsory social security
K66 - Activities auxiliary to financial services and insurance activities
L68 - Real estate activities
M69 - Legal and accounting activities
M70 - Activities of head offices; management consultancy activities
M71 - Architectural and engineering activities; technical testing and analysis
M72 - Scientific research and development
M73 - Advertising and market research
M74 - Other professional, scientific and technical activities
M75 - Veterinary activities
N77 - Rental and leasing activities
N78 - Employment activities
N79 - Travel agency, tour operator and other reservation service and related activities
N80 - Security and investigation activities
N81 - Services to buildings and landscape activities
N82 - Office administrative, office support and other business support activities
O84 - Public administration and defence; compulsory social security
P85 - Education
Q86 - Human health activities
Q87 - Residential care activities
Q88 - Social work activities without accommodation
R90 - Creative, arts and entertainment activities
R91 - Libraries, archives, museums and other cultural activities
R92 - Gambling and betting activities
R93 - Sports activities and amusement and recreation activities
S94 - Activities of membership organisations
S95 - Repair of computers and personal and household goods
S96 - Other personal service activities
T97 - Activities of households as employers of domestic personnel
T98 - Undifferentiated goods- and services-producing activities of private households for own use
U99 - Activities of extraterritorial organisations and bodies

Annex 3: NACE 2.0 ecosystem weights

NACE	Weight		NACE	Weight		NACE	Weight		NACE	Weight	
	GVA	Emp.		GVA	Emp.		GVA	Emp.		GVA	Emp.
Aerospace & Defence			Construction			Creative & Cultural Industries			Digital		
C25	0,0974	0,0870	C25	0,3052	0,3052	C18	1,0000	1,0000	C25	0,0209	0,0209
C26	0,4400	0,3600	C28	0,1948	0,1948	C25	0,0090	0,0090	C26	0,2200	0,2800
C27	0,2300	0,2000	C31	1,0000	1,0000	C28	0,0126	0,0126	C28	0,0305	0,0305
C28	0,0679	0,0679	C33	0,1554	0,1554	C32	0,0800	0,1100	C33	0,0329	0,0329
C30	0,6800	0,5300	E36	0,1025	0,1025	C33	0,0132	0,0132	E36	0,0220	0,0220
C33	0,1676	0,1380	E37	0,1367	0,1367	E36	0,0247	0,0247	E37	0,0278	0,0278
E36	0,0174	0,0174	E38	0,1367	0,1367	E37	0,0189	0,0189	E38	0,0278	0,0278
E37	0,0274	0,0274	E39	0,1367	0,1367	E38	0,0189	0,0189	E39	0,0278	0,0278
E38	0,0274	0,0274	F41	1,0000	1,0000	E39	0,0189	0,0189	J58	1,0000	1,0000
E39	0,0274	0,0274	F42	1,0000	1,0000	G47	0,0100	0,0200	J61	0,9700	0,9900
H51	0,0900	0,0600	F43	1,0000	1,0000	J58	1,0000	1,0000	J62	1,0000	1,0000
H52	0,1800	0,1100	M69	0,1151	0,1151	J59	1,0000	1,0000	J63	1,0000	1,0000
J61	0,0700	0,0700	M70	0,1151	0,1151	J60	1,0000	1,0000	M69	0,0513	0,0513
M69	0,0250	0,0250	M71	1,0000	1,0000	J62	0,0040	0,0080	M70	0,0513	0,0513
M70	0,0250	0,0250	M72	0,1041	0,1041	J63	0,0040	0,0080	M71	0,0442	0,0420
M71	0,0337	0,0337	N77	0,1292	0,1292	M69	0,0277	0,0277	M72	0,0690	0,0690
M72	0,0565	0,0565	N78	0,1292	0,1292	M70	0,0277	0,0277	N77	0,0517	0,0517
N77	0,0271	0,0271	N81	1,0000	1,0000	M71	0,1703	0,2160	N78	0,0517	0,0517
N78	0,0271	0,0271			M72	0,0272	0,0272	S95	0,4800	0,3400	
N80	1,0000	1,0000			M73	1,0000	1,0000	Electronics			
Agri-food					M74	0,6400	0,4200	C25	0,0196	0,0196	
A01	1,0000	1,0000			M75	0,6400	0,4200	C26	1,0000	1,0000	
A02	1,0000	1,0000			N77	0,0291	0,0291	C28	0,1226	0,1230	
A03	1,0000	1,0000			N78	0,0285	0,0285	C33	0,0153	0,0153	
C10	1,0000	1,0000			P85	0,1000	0,1000	E36	0,0069	0,0069	
C11	1,0000	1,0000			R90	0,8000	0,8000	E37	0,0102	0,0102	
C12	1,0000	1,0000			R91	0,8000	0,8000	E38	0,0102	0,0102	
C25	0,0662	0,0662			R92	0,8000	0,8000	E39	0,0102	0,0102	
C28	0,0782	0,0782			S94	0,0200	0,0200	M69	0,0117	0,0120	
C33	0,1185	0,1185			S95	0,2600	0,3500	M70	0,0117	0,0120	
E36	0,1218	0,1218						M71	0,0146	0,0146	
E37	0,0948	0,0948						M72	0,0507	0,0507	
E38	0,0948	0,0948						N77	0,0130	0,0130	
E39	0,0948	0,0948						N78	0,0130	0,0130	
M69	0,0772	0,0772									
M70	0,0772	0,0772									
M71	0,0602	0,0602									
M72	0,0721	0,0721									
N77	0,0821	0,0821									
N78	0,0821	0,0821									

NACE	Weight		NACE	Weight		NACE	Weight		NACE	Weight	
	GVA	Emp.		GVA	Emp.		GVA	Emp.		GVA	Emp.
Energy Intensive Industries			Mobility-Transport-Automotive			Proximity & Social Economy			Textile		
C16	1,0000	1,0000	C25	0,2355	0,2355	C25	0,0235	0,0235	C13	1,0000	1,0000
C17	1,0000	1,0000	C27	0,0300	0,0200	C28	0,0300	0,0300	C14	1,0000	1,0000
C19	1,0000	1,0000	C28	0,2776	0,2776	C33	0,0357	0,0357	C15	1,0000	1,0000
C20	1,0000	1,0000	C29	1,0000	1,0000	E36	0,0765	0,0765	C25	0,0085	0,0085
C22	1,0000	1,0000	C30	0,3200	0,4700	E37	0,0537	0,0537	C28	0,0100	0,0100
C23	1,0000	1,0000	C33	0,1653	0,1653	E38	0,0537	0,0537	C33	0,0097	0,0100
C24	1,0000	1,0000	E36	0,0582	0,0582	E39	0,0537	0,0537	E36	0,0129	0,0129
C25	0,0363	0,0360	E37	0,0982	0,0982	G47	0,1600	0,1550	E37	0,0144	0,0144
C28	0,0401	0,0400	E38	0,0982	0,0982	I55	0,1400	0,1400	E38	0,0144	0,0144
C33	0,0474	0,0470	E39	0,0982	0,0982	I56	0,1400	0,1400	E39	0,0144	0,0144
E36	0,0401	0,0400	G45	1,0000	1,0000	L68	0,080	0,0840	M69	0,0115	0,0115
E37	0,0862	0,0860	H49	0,5200	0,5800	M69	0,0572	0,0575	M70	0,0115	0,0115
E38	0,0862	0,0860	H50	0,7800	0,7400	M70	0,0572	0,0575	M71	0,0112	0,0110
E39	0,0862	0,0860	H52	0,3900	0,3400	M71	0,0442	0,0442	M72	0,0115	0,0120
M69	0,0491	0,0490	M69	0,0862	0,0862	M72	0,0465	0,0465	N77	0,0099	0,0099
M70	0,0491	0,0490	M70	0,0862	0,0862	N77	0,0612	0,0612	N78	0,0099	0,0099
M71	0,0368	0,0368	M71	0,0929	0,0929	N78	0,0612	0,0612	Tourism		
M72	0,0306	0,0306	M72	0,1300	0,1300	N81	0,2800	0,2100	C25	0,0368	0,0368
N77	0,0313	0,0313	N77	0,0855	0,0855	N82	0,1100	0,1100	C28	0,0501	0,0501
N78	0,0313	0,0313	N78	0,0855	0,0855	Q87	1,0000	1,0000	C33	0,0717	0,0717
Health			Retail			Q88	1,0000	1,0000	E36	0,1046	0,1046
C21	1,0000	1,0000	C25	0,0442	0,0442	S95	1,0000	1,0000	E37	0,0712	0,0712
C25	0,0516	0,0516	C28	0,0573	0,0573	S96	1,0000	1,0000	E38	0,0712	0,0712
C28	0,0562	0,0562	C33	0,0647	0,0647	T97	1,0000	1,0000	E39	0,0712	0,0712
C32	1,0000	1,0000	E36	0,0741	0,0741	T98	1,0000	1,0000	H49	0,4500	0,4200
C33	0,0686	0,0686	E37	0,0776	0,0776	Renewable Energy			H50	0,2200	0,3500
E36	0,1110	0,1110	E38	0,0776	0,0776	C25	0,0160	0,0160	H51	0,9100	0,9000
E37	0,0853	0,0853	E39	0,0776	0,0776	C27	0,3800	0,3800	I55	1,0000	1,0000
E38	0,0853	0,0853	G46	1,0000	1,0000	C28	0,0160	0,0160	I56	1,0000	1,0000
E39	0,0853	0,0853	G47	1,0000	1,0000	C33	0,0164	0,0160	M69	0,0676	0,0676
M69	0,0876	0,0876	H53	1,0000	1,0000	D35	0,290	0,2800	M70	0,0676	0,0676
M70	0,0876	0,0876	M69	0,1345	0,1345	E36	0,0113	0,0113	M71	0,0549	0,0549
M71	0,0761	0,0761	M70	0,1345	0,1345	E37	0,0143	0,0143	M72	0,0485	0,0485
M72	0,1422	0,1422	M71	0,0800	0,0800	E38	0,0143	0,0143	N77	0,0828	0,0828
N77	0,1000	0,1000	M72	0,0814	0,0814	E39	0,0143	0,0143	N78	0,0828	0,0828
N78	0,1000	0,1000	N77	0,1269	0,1269	M69	0,0097	0,0100	N79	1,0000	1,0000
Q86	1,0000	1,0000	N78	0,1269	0,1269	M70	0,0097	0,0100	N82	1,0000	1,0000
Q87	1,0000	1,0000				M71	0,0117	0,0117	R90	0,6600	0,6600
Q88	1,0000	1,0000				M72	0,0083	0,0080	R91	0,6600	0,6600
						N77	0,0085	0,0080	R92	0,6600	0,6600
						N78	0,0085	0,0080	R93	1,0000	1,0000