

The integrated system of statistical-economic classifications: an extension to national versions of the NACE

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Abstract

An integrated system of international statistical economic classifications gradually emerged during the 1980s. Primarily developed under the guidance of the United Nations Statistical Division, this system includes interconnected classifications for activities, products, and goods. It includes international or reference classifications, as well as regional standards (e.g. European) and derived national versions. The development and maintenance of pairwise links between two national classifications derived from the same European classification (e.g. the NACE Rev. 2) is not common practice. However, it would have some advantages for European stakeholders. This research aims to investigate the direct connections between the Italian ATECO classification and the Swiss NOGA classification of economic activities. The goal is to facilitate the development and updating of correspondence between these classifications, as well as with the national versions of NACE.

Keywords: Economic activities, NACE, Official Statistics, Statistical classifications.

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1. Introduction²

An integrated system of international statistical economic classifications, also known as “international system of economic classifications” or as “integrated system of statistical activity and product classifications”, gradually emerged during the 1980s (UNSD, 2008). Developed under the auspices of the United Nations Statistical Division, this system comprises activity, product, and goods statistical classifications that are interconnected to one another. It encompasses international, regional and national classifications; the latter is based on the former but has been adapted to suit national economies.

National classifications have to be consistent with their reference classifications at the global and regional level to ensure coherence and comparability between statistics on a global scale (the so-called comparability across countries). Sometimes such a consistency is regulated by legal frameworks, as in the case of national versions of the European statistical classification of economic activities NACE Rev. 2 (Eurostat, 2008), whose conformity to the NACE has to be checked by the Commission.

The coding system and the structure (coding system and titles/descriptions of each category) represent the core elements of a statistical classification and the simplest way to link different classifications; when two classifications share part of their structures (*e.g.* the highest levels), statistical data produced according to them meet a certain degree of consistency. Nevertheless, even when two classifications are not linked via the structure, they may be linked by correspondence tables developed *ad hoc* by experts in this field.

All statistical classifications belonging to the integrated system of statistical activity and product classifications are linked via the structure or correspondence tables. Over time, the connections between statistical classifications have become increasingly accurate due to the skills and expertise gained by statisticians. Additionally, new information systems have been developed to help organise metadata and various types of information, which are essential for correctly interpreting statistical classifications.

In this context, the development (and maintenance) of pairwise links between two national classifications derived from the same European

2 The author would like to thank Marc Froidevaux and Oliver Gallusser (Swiss Federal Statistical Office) for their comments and suggestions, which enhanced the quality of this article.

classification (*e.g.* the NACE Rev. 2) is not common practice, especially because of the high costs that are necessary to work on it. Nevertheless, such a practice would have several advantages for European stakeholders and a significant impact on the processes of maintenance, update and revision of national and European classifications of economic activities. For instance, it would help check the European relevance of an economic activity (the number of European countries that have developed the same categories at the national level, differently from the NACE). At the same time, it could be used to investigate and verify the degree of consistency between national classifications directly derived from the NACE. The informative potential derived from the development of pairwise links between two national versions of the same statistical classification may also encourage drafting best practices and guidelines to support other Member States. Finally, European and national stakeholders would benefit from the availability of comparable national data, referred to in some countries, which would result in being more detailed than that available at the European level.

This research work aims to explore direct links between the Italian ATECO and the Swiss NOGA (General Classification of Economic Activities) to compare the two schemes and highlight best practices with different solutions to derive national versions of the NACE. In this respect, an extension to national versions of the NACE is provided to the integrated system of statistical economic classifications.

The contents of this work are divided into six Sections, including the first one aimed at introducing the work. The second Section is devoted to introducing the issues dealt with in this work by describing some basic principles of statistical classifications and the reasons behind the existence of an integrated system of statistical economic classifications. The third Section is focussed on the data and methods used to reach the research objectives, that is, examining the differences between the ATECO and the NOGA and thus identifying possible interlinkages between national versions of the NACE. The fourth Section presents the main results by providing comparison case studies between the two classifications. Finally, the fifth Section provides some conclusive remarks as well as some possible future developments of the work done so far. The complete correspondence table between the two national versions of the NACE classification is provided in the Appendix.

2. Background

According to our knowledge and experience in this field, the literature on statistical classifications is still scarce; such a circumstance is due especially to two main factors.

First of all, standard statistical classifications, *e.g.* those of economic activities, are relatively young. The NACE classification, for example, has its roots in the “*Nomenclature des Industries établies dans les Communautés Européennes*” (NICE) (Classification of Industries Established in the European Communities) that was developed in the 1960s (Eurostat, 2008).

Secondly, statistical classifications represent a niche topic that needs expert statisticians having several cross-skills to be maintained, updated and revised. Statistical classifications were born to organise and present statistics (Hoffman and Chamie, 1999), so they are based on conceptual and methodological frameworks as well as on practical considerations concerning data collection and compilation. Such a feature makes classifications play a central role in the statistical system as a whole. If the wrong categories are applied to the observed universe, the information supplied to decision-makers for their analysis will be of poor quality or even useless.

2.1 The integrated system of economic classifications

An integrated system of international statistical economic classifications, also known as “international system of economic classifications” or as “integrated system of statistical activity and product classifications”, gradually emerged during the 1980s.

Graphically speaking, this integrated system can be presented as a matrix containing various classifications, which are conceptually related, organised within the matrix itself according to the two key dimensions listed below.

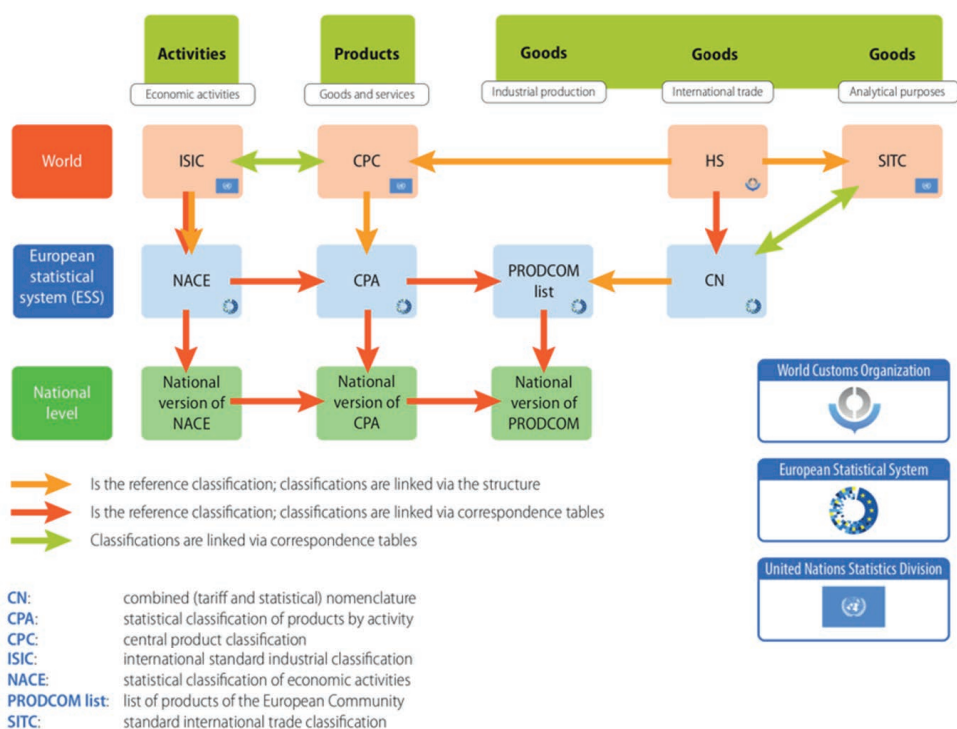
1. The family of each classification included in the system: economic activities, products (goods and services) and goods (organised as industrial production, international trade and analytical purposes). Economic activity classifications are listed in the first column, followed by product classifications, and finally goods classifications on the right side of the scheme.

2. The geographical scope of each classification included in the system: world, regional and national level. Classifications used at the world level are placed in the first row at the top of the matrix, while regional standards (*e.g.* European) occupy the middle row, and national versions are presented in the bottom row.

The system is essentially a set of classifications connected by horizontal and vertical relationships. Horizontal relationships ensure comparability between classifications belonging to different families (economic activities, products and goods). On the other hand, vertical relationships identify classifications belonging to the same family but referring to different geographical scopes: world, regional, and national levels.

Figure 2.1 illustrates the whole system adapted to the European level.

Figure 2.1 - The integrated system of statistical economic classifications adapted to the European level



Source: Eurostat, 2021

In Figure 2.1, national versions of the European NACE classification are thus placed in the bottom corner on the left of the matrix. Being at the lowest levels, national classifications inherit the methodological framework and rules established at the higher levels.

Belonging to such a system, data released according to national versions are comparable with those produced internationally according to the other classifications of the system, thanks to the existence of correspondence relationships and hierarchical constraints (related to the structure).

Links via correspondence tables or via the structure within the entire system have an impact on the room for change within an element of the system (they can be seen as “structural constraints”) and on the timeline that has to be followed (“process constraints”).

Structural constraints mean that changes applied to a classification in the system are only those that satisfy the essential relationships with its reference classification; for example, the NACE classification is a derived classification of the ISIC (International Standard Industrial Classification): categories at all levels of the NACE are defined either to be identical to, or to form subsets of, single ISIC categories.

Process constraints concern the timing of revision processes of classifications within the system: if the NACE and the ISIC are linked via the structure, changes in the structure of the ISIC (as the reference classification) should be applied before or during the revision process of the NACE.

Within the system, structural and process constraints exist because “*national and international classifications are mutually dependent*” (Hoffman and Chamie, 1999).

In 1999, Hoffmann and Chamie wrote: “*Linking to a common reference classification when only two countries are involved, the need for comparable information can be satisfied most effectively by directly linking their national classifications [...]*”.

By exploiting the relationships within the integrated system of statistical activity and product classifications, this research aims to explore direct links between the Italian ATECO (Istat, 2022) and the Swiss NOGA classifications of economic activities to compare the two schemes and identify best practices, as well as different solutions to derive national versions of the NACE.

The potential of the integrated system of economic classifications and the application of correspondence tables between different classifications have also been recently presented in relation to the the COVID-19 emergency (Alonzi *et al.*, 2020 *a* and *b*).

2.2 Correspondence tables: an introduction

Though different, classifications within the system are closely linked. Linkage is achieved either through the coding system used in the classifications or by means of correspondence tables (Eurostat, 2021).

A correspondence table (also known as a concordance table, mapping, or correlation table) consists of establishing links between the codes in a source classification with the corresponding codes in a target classification (Eurostat, 2019), detailing how a category in one classification relates or links to the new/other classification (Hancock, 2013).

There exist two types of correspondence tables:

- providing links between two versions of the same statistical classification, such as NACE Rev. 1.1 and NACE Rev. 2;
- providing links between two distinct statistical classifications belonging to the same family, such as the CPC (Central Product Classification) and the CPA (Statistical Classification of Products by Activity), which are both product classifications or belonging to different families, such as the ISIC and the CPC.

As perfectly described by Eurostat (2019), a correspondence table can consist of the following relationships:

- one-to-one (1:1) \rightarrow the whole content of a position in the source classification corresponds exactly to the whole content of a position in the target classification (even if the textual labels are different);
- one-to-many (1:n) \rightarrow the content of a position in the source classification is distributed over more than one position in the target classification;
- many-to-one (m:1) \rightarrow the content of several positions in the source classification is grouped into a single position in the target classification;
- many-to-many (m:n) $\rightarrow m$ number of positions in the source classification corresponds to n number of positions in the target classification.

It is not an easy task to organise each link in one of the above types; it could be useful to set methodological constraints, deciding if all kinds of links can be defined or not. Depending on the classifications involved in the correspondence, such lists of links can also have attributes; the role of attributes is to support users in better understanding the relationship between the two classifications involved. Eurostat (2019) has recently mapped the possible attributes: specification of partial coverage, comment and information on the status of the links.

For what we are interested in, the specification of partial coverage is extremely important to present correspondences to users. This attribute, which can be used for both the source and target classifications, is used to indicate that only a part of the position concerned is included in a specific link and that the rest of the content of the position is to be found in one or more other links.

The definition of correspondences is mandatory between international classifications, as they facilitate international reporting and enable time-series management (Hancock, 2013). However, the mapping of different classifications to each other is also dependent on user needs.

Sometimes, possible links between classifications may be very complicated. The correspondence tables should be presented in a form that is technically accurate and easy to understand for users. This will typically require separate tables for each direction (Hoffmann and Chamie, 1999).

In this research work, correspondences are presented in the Appendix. Each pairwise link is presented in a row and the following information are provided: classification A (the code of the source classification), coverage A (the type of coverage - total or partial - referred to code A), classification B (the code of the target classification), coverage B (the type of coverage - total or partial - referred to code B) and the type of link (one-to-one, one-to-many, many-to-one, many-to-many).

3. Data and methods

3.1 Data

The Italian and Swiss classifications of economic activities (structure and contents), namely ATECO and NOGA, are the core elements of this research work. They represent the national versions of the European NACE classification, reflecting national circumstances and priorities than the European ones; at the moment of writing, NACE Rev. 2 is the current version.

From a structural point of view, the NACE includes four levels (sections, divisions, groups and classes). Legislation at the European Union level³ establishes the uniform use of the classification across all Member States. Based on the NACE Regulation, Member States' statistics presented according to economic activities are to be produced using NACE Rev. 2 or a national classification derived therefrom. The national classification may introduce additional headings and levels, and a different coding may be used. Each of the levels, except for the highest, shall consist of either the same headings as the corresponding NACE Rev. 2 level or headings constituting an exact breakdown thereof.

Several countries, such as Austria, France and Italy, have national versions of the NACE; Switzerland has also adopted a national version. The reason lies in the evidence that the NACE does not entirely satisfy national needs and requires an adaptation to meet countries' specific conditions. Sometimes, national versions of the NACE, developed primarily for the production and presentation of statistics, are also utilised for other purposes, *e.g.* legal purposes; thus, further breakdowns are necessary to identify economic activities in a more delimited way.

In general, but not always, national versions of the NACE are more detailed than their European version and include at least one more level.

The Italian version of the NACE includes two additional levels (categories and sub-categories) and attributes several national positions, which are greater in number than the codes found in the Swiss NOGA. The key differences between the classifications are summarised in Table 3.1 below. These

3 The legal framework is provided by Regulation (EC) N. 1893/2006 of the European Parliament and of the Council of 20 December 2006 establishing the statistical classification of economic activities NACE Revision 2 and amending Council Regulation (EEC) N. 3037/90 as well as certain EC Regulations on specific statistical domains.

differences relate to the number and names of the classification levels, their positions within each level, the additional levels at the national level, and the coding systems used by each country.

Table 3.1 - A comparison between two national versions of the NACE: ATECO and NOGA

Name	Current version	Country	Level	Name of extra levels	No. of positions	Coding system
ATECO	ATECO 2007 2022 update	Italy	5	Categories	920	XX.XX.Y → Y being a number between 0 and 9
			6	Sub-categories	1,241	XX.XX.YZ → Z being a number between 0 and 9
NOGA	NOGA 2008	Switzerland	5	Types	794	XXXXYY → YY being a number between 00 and 99

Source: Author's processing of Istat, 2022, and Swiss Federal Statistical Office, 2008

In this research, sub-categories of *ATECO 2007 aggiornamento* (update) 2022 (hereafter referred to as *ATECO 2022*) and types of *NOGA 2008* have been compared (Istat, 2009 and 2022; Swiss Federal Statistical Office, 2008).

The ATECO classification was developed by the Italian National Institute of Statistics (Istat) in collaboration with experts from administrative bodies involved in the registration, including the classification, of economic units, as well as representatives of numerous trade associations. Even if the current ATECO came into force on January 1, 2008, it was finalised in 2007 and thus called “ATECO 2007”. It was realised in parallel with the NACE Rev. 2; as a national version of the NACE, it is fully consistent with the four-digit structure defined at the European level, but it has two more digits. More specifically, while the first four levels are inherited from the NACE, two additional levels have been introduced at the national level: “categories” and “sub-categories”. In most cases, ATECO categories and sub-categories consist of a conversion of the notes of inclusion described in the NACE into national headings (Alonzi and Viviano, 2022).

The ATECO is a hierarchical classification; its structure coding pattern can be summarised as XX.XX.YZ where XX.XX denotes NACE codes, Y denotes extra codes added for statistical purposes at the national level (categories), and Z denotes extra codes added for other than statistical aims (sub-categories).

Since the release of the NACE Rev. 2, the corresponding ATECO classification in force (ATECO 2007) has been used at the national level both for statistical and non-statistical purposes. It is worth noting that the sixth level is not used for statistical purposes, but it is limited to administrative functions. More specifically, in the Statistical Business Registers maintained by Istat, economic units are classified based on the ATECO categories rather than the sub-categories. On the contrary, in administrative sources (such as fiscal sources or the register of enterprises managed by the Chamber of Commerce), enterprises are registered at the highest level of detail according to the ATECO sub-categories. ATECO is also widely used by the government local agencies, trade associations, and other organisations. The ATECO 2007 classification was updated by Istat with the support of the ATECO Committee⁴ in 2021 (*ATECO 2007 aggiornamento 2021*) and in 2022 (*ATECO 2007 aggiornamento 2022*).

The complete ATECO 2007 *aggiornamento 2022* (structure and explanatory notes) is available only in Italian at the Istat's website (www.istat.it).

The General Classification of Economic Activities (NOGA) is derived from the NACE. The NOGA was developed by the Swiss Federal Statistical Office (FSO) in collaboration with experts from the public administration and numerous umbrella organisations, taking into account the needs of various interest groups in Switzerland.

The particularities and/or important activities of the national economy have been incorporated in the last two positions of the six-digit code, which represents the fifth level of the classification called “type”. As a consequence, the current version of the NOGA has a five-level hierarchical structure: section, division, group, class (4 digits) and type (6 digits). The NOGA is compatible with the NACE up to the fourth level (class).

The NOGA coding pattern can be summarised as XXXXY, where XXXX denotes NACE codes without the “.” separating the second and the third digit, while YY denotes extra codes added for the NOGA. The last level of the NOGA has 794 positions. When the national breakdown is not relevant, the last digits are “00”.

⁴ The ATECO Committee was first set up in June 2020 as a temporary organism, although it is a candidate to become permanent in the future; it is coordinated by Istat and formed by representatives of statistical domains, administrative bodies and federations/associations of industries. The primary goal of the ATECO Committee is to establish a revised version of the ATECO classification by consulting with producers and users of statistics, as well as experts in relevant subject areas.

The current NOGA 2008 came into force on 1st January 2008 and has been integrated into the Business and Enterprise Register (BER); a NOGA code is assigned to each enterprise and each business registered in the BER. From a statistical point of view, the NOGA makes it possible to classify companies according to their main activity and to group them into coherent units. It is thus used as a basis for many economic statistics. From an administrative point of view, insurance companies, employment agencies, pension funds, etc., use NOGA codes on their initiative (*e.g.* to determine their risk premiums). Nevertheless, the NOGA was designed for statistical purposes and is not directly linked to any legal basis. Therefore, the use of the NOGA in a non-statistical context is not the responsibility of the FSO.

The complete NOGA 2008 (structure and explanatory notes) is available in four languages (English, French, Italian and German) at www.bfs.admin.ch.

3.1 Methods

To compare two national versions of the same European classification of economic activities, a complete correspondence table between the ATECO and the NOGA has been developed.

All the steps applied to derive pairwise links at the highest level of detail (ATECO sub-categories ↔ NOGA types) are summarised in Table 3.2 and described below.

Table 3.2 - Overview of the methodological steps followed to define pairwise links between the ATECO and the NOGA classifications

Step	Description
1	Defining the structure (bidirectional links), constraints (no constraints set) and attributes (total or partial coverage) of the links.
2	Detection of automatic one-to-one (1:1) links meeting the condition "one NACE code = one ATECO code = one NOGA code". Only the structure of the ATECO and NOGA classifications has been taken into account.
3	Detection of automatic one-to-many (1:n) links meeting the condition "one NACE code = one ATECO code = more than one NOGA code". Only the structure of the ATECO and NOGA classifications has been taken into account.
4	Detection of automatic many-to-one (m:1) links meeting the condition "one NACE code = more than one ATECO code = one NOGA code". Only the structure of the ATECO and NOGA classifications has been taken into account.
5	Within the remaining codes, detection of manual one-to-one (1:1), one-to-many (1:n) and many-to-one (m:1) links other than automatic links already identified in steps 2, 3 and 4. Explanatory notes of the ATECO and NOGA classifications have been consulted.
6	Flagging the remaining links as many-to-many (m:n) links and setting the pairwise correspondences. Explanatory notes of the ATECO and NOGA classifications have been consulted.
7	Applying <i>ad hoc</i> checks to verify the derived links.
8	Results analysis and systematisation.

Source: Author's processing

Step 1. In the first step, it was decided how to structure and present the links. The derived correspondence table is bidirectional; thus, it can be read in two ways: “ATECO sub-categories to NOGA types” and “NOGA types to ATECO sub-categories”, thanks to the specification of partial coverage both from the ATECO and the NOGA perspectives. This attribute is used to indicate that only a part of the position concerned is included in a specific link and that the rest of the content of the position is to be found in one or more other links.

No constraints have been set; despite that, ideally, links could have been possible (thus, valid) only within the same NACE class; avoiding such a constraint made it possible to discover some inconsistencies between the ATECO and the NOGA concerning the NACE.

Step 2. Automatic one-to-one (1:1) links meeting the following condition have been created: a NACE code corresponds to only one ATECO code and only one NOGA code. Such a condition is valid when the ATECO code ends with “00” and the last two digits of the NOGA code are “00”. To derive such a type of link, only the detailed structures of the two classifications have been taken into account; explanatory notes have not been investigated.

Step 3. Automatic one-to-many (1:n) links meeting the following condition have been set: a NACE code corresponds to only one ATECO code, but to many NOGA codes. This means that the final digits of the ATECO sub-category are always equal to “00”, but the NOGA type does not end with “00”. To derive such a type of link, only the detailed structures of the two classifications have been taken into account.

Step 4. Automatic many-to-one (m:1) links meeting the following condition have been identified: a NACE code corresponds to many ATECO sub-categories and only to one NOGA code. This means that the final digits of the ATECO sub-category are not equal to “00” while the NOGA type ends with “00”. To derive such a type of link, only the detailed structures of the two classifications have been taken into account.

Step 5. Other one-to-one (1:1), one-to-many (1:n), and many-to-one (m:1) links have been set within the remaining codes not already included in the above-mentioned conditions (steps 2, 3 and 4). A thorough examination of the explanatory notes for the ATECO and NOGA classifications was necessary to complete this step.

Step 6. The remaining links have been flagged as many-to-many (m:n) links, and the pairwise correspondences have been created, making use of explanatory notes of the ATECO and NOGA classifications. Many-to-many links are those that meet the following condition: a NACE code corresponds to many ATECO sub-categories and many NOGA codes, and many ATECO sub-categories correspond to many NOGA codes.

Step 7. Two types of ad hoc checks have been applied to verify the derived links (the so-called candidate correspondence table): manual conceptual checks to verify if the clusters contain conceptually related content, and automatic checks based on the type of coverage (total or partial); the latter are presented in Table 3.3.

Step 8. Once all the possible links have been identified, they have been analysed and the results systematised.

Table 3.3 - Step 7: checking the derived links between the ATECO (A) and the NOGA (B) classifications

Condition	Statement (type of linkage)
coverage A = total and coverage B = total	one-to-one
coverage A = partial and coverage B = total and no other codes with coverage B = partial in the same cluster	one-to-many
coverage A = total and coverage B = partial and no other codes with coverage A = partial in the same cluster	many-to-one
coverage A = partial and coverage B = partial or coverage A = partial and coverage B = total and other codes with coverage B = partial in the same cluster or coverage A = total and coverage B = partial and other codes with coverage A = partial in the same cluster	many-to-many

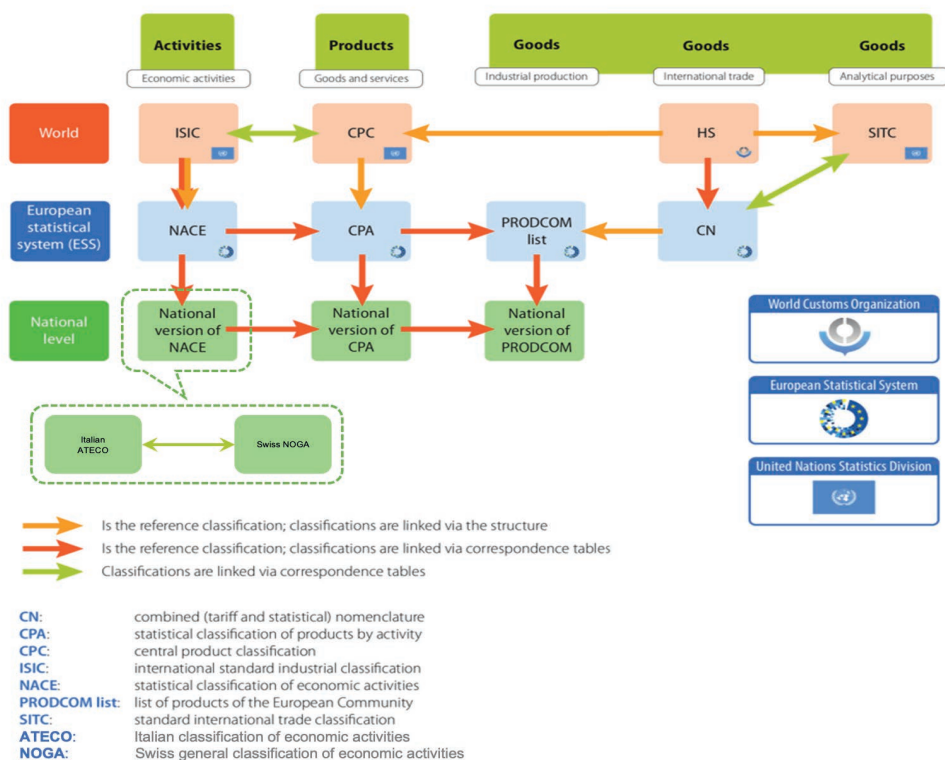
Source: Author's processing

4. Main results

This Section presents the main results of the research work by providing comparison case studies between the ATECO and the NOGA classifications. Consistency errors as well as difficulties in the interpretation of the same statistical classification are shown at the end of this Section, too. The complete correspondence table is provided as an Appendix.

In this respect, an extension to national versions of the NACE is provided to the integrated system of statistical economic classifications. It is presented as a focus on the lowest level of the system, which is dedicated to national versions, and it shows the ATECO and the NOGA classifications separately but linked via a correspondence table. The reference classification of economic activities for both of them is always the NACE, and moving up, the ISIC.

Figure 4.1 - The integrated system of statistical economic classifications extended to ATECO and NOGA



Source: Author's processing of Eurostat, 2021

A total of 1,397 pairwise links between the ATECO and the NOGA have been identified, as presented in Table 4.1. Many-to-one links (a NOGA type corresponds to at least two ATECO sub-categories) represent around 50% of the total number of links, while one-to-one links are less than 30% of the total number of links.

Table 4.1 – Number of links between ATECO 2022 and NOGA 2008 by type

TYPE OF LINK	Description	No. of links	%
one-to-one	An ATECO sub-category corresponds to only one NOGA type	396	28.35
one-to-many	An ATECO sub-category corresponds to at least two NOGA types	118	8.45
many-to-one	A NOGA type corresponds to at least two ATECO sub-categories	698	49.96
many-to-many	Many ATECO sub-categories correspond to many NOGA types	185	13.24
TOTAL		1,397	100.00

Source: Author's processing

4.1 One-to-one (1:1) links

The links of one-to-one (1:1) type are 396; they may be divided into at least two main categories: automatic links and manual links (Table 4.2).

Table 4.2 – Links of one-to-one (1:1) type by method (automatic or manual)

TYPE OF LINK	No. of links	%
<i>Automatic one-to-one links:</i> No national breakdown is provided for Italy or Switzerland; the European NACE classification is used without further breakdowns.	343	86.62
<i>Manual one-to-one links:</i> Some breakdown is provided at the national level.	53	13.38
TOTAL	396	100.00

Source: Author's processing of Istat, 2022, and Swiss Federal Statistical Office, 2008

In the first case, no national breakdown is provided at the Italian or Swiss level: the European NACE classification is used at both the Italian and Swiss levels without any further breakdown; 343 links meet this condition. It should be noted that in some cases, slight differences in the titles have been observed.

The following examples illustrate one-to-one links.

Activities of growing of oleaginous fruits:

ATECO 01.26.00 *Coltivazione di frutti oleosi* ↔ NOGA 012600 *Coltivazione di frutti oleosi*

Activities of raising swine/pigs:

ATECO 01.46.00 *Allevamento di suini* ↔ NOGA 014600 *Allevamento di suini*

Activities of extraction of natural gas:

ATECO 06.20.00 *Estrazione di gas naturale* ↔ NOGA 062000 *Estrazione di gas naturale*

Activities of reinsurance:

ATECO 65.20.00 *Attività di riassicurazione* ↔ NOGA 652000 *Riassicurazioni*

Activities of fitness facilities:

ATECO 93.13.00 *Gestione di palestre* ↔ NOGA 931300 *Istituti di ginnastica e fitness*

On the contrary, some breakdown is provided at the national level in 53 links. Some examples are provided below.

Activities of embroidery:

ATECO 13.99.10 *Fabbricazione di ricami* ↔ NOGA 139901 *Fabbricazione di ricami*

Activities of surveyors:

ATECO 71.12.30 *Attività tecniche svolte da geometri* ↔ NOGA 711204 *Studi di geometri*

Activities of language schools:

ATECO 85.59.30 *Scuole e corsi di lingua* ↔ NOGA 855901 *Istruzione linguistica*

Activities of physiotherapy:

ATECO 86.90.21 *Fisioterapia* ↔ NOGA 869002 *Fisioterapia*

Activities of freelance journalists:

ATECO 90.03.01 *Attività dei giornalisti indipendenti* ↔ NOGA 900303 *Giornalisti indipendenti*

In all one-to-one (1:1) links, Italian data produced according to the ATECO classification can be easily compared with Swiss data produced according to the NOGA classification.

4.2 One-to-many (1:n) links

The correspondence table also includes 118 **links of one-to-many (1:n) type**, meaning that an ATECO sub-category corresponds to at least two NOGA types.

In 74 1:n links, an ATECO sub-category corresponds to at least 3 NOGA types (Table 4.3).

There is even a 1:11 correspondence to describe some activities classified within NACE Rev. 2 class 64.19 “Other monetary intermediation” and ATECO sub-category 64.19.10, where the NOGA provides the following types:

641901 Banks with a special field of business

641902 Cantonal banks

641903 Big banks

641904 Regional banks and savings banks

641905 Raiffeisen banks

641906 Commercial banks

641907 Stock Exchange banks

641908 Foreign-controlled banks

641909 Branches of foreign banks

641910 Private bankers

641911 Other banking institutions

Table 4.3 – One-to-many links between ATECO 2022 and NOGA 2008

No. of ATECO sub-categories	No. of NOGA types	No. of clusters	No. of links
1	2	22	44
1	3	14	42
1	4	4	16
1	5	1	5
1	11	1	11
		42	118

Source: Author's processing

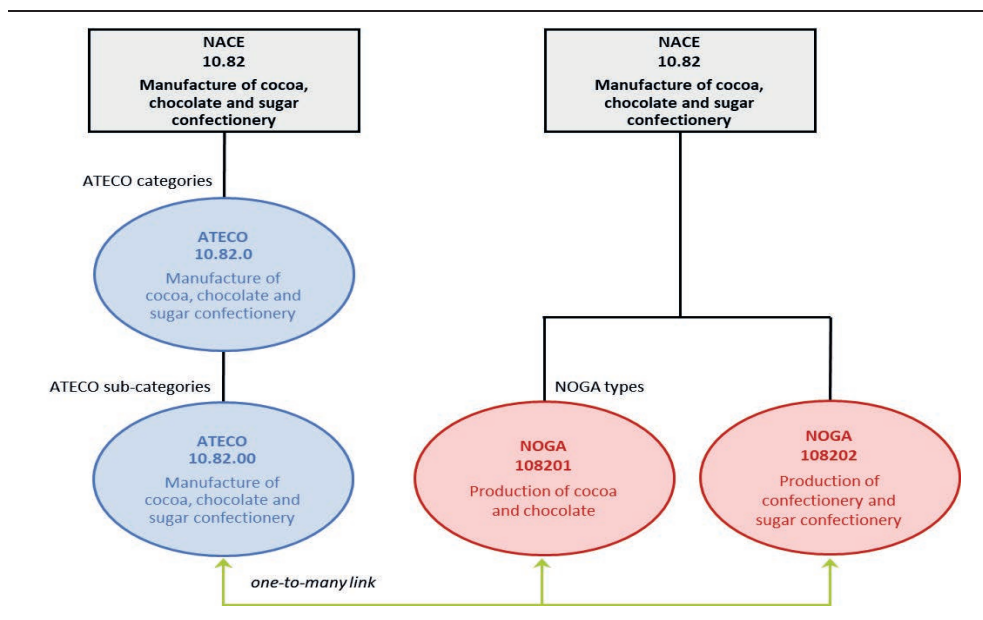
Among one-to-many links, an example concerns NACE Rev. 2 class 10.82 “Manufacture of cocoa, chocolate and sugar confectionery” that does not have a national breakdown at the Italian level (ATECO category 10.82.00

Produzione di cacao in polvere, cioccolato, caramelle e confetterie) while it has been split into two NOGA types in Switzerland (NOGA 108201 “Production of cocoa and chocolate” and NOGA 108202 “Production of confectionery and sugar confectionery”). As a consequence, the correspondence table includes two links: the first one between ATECO 10.82.00 and NOGA 108201 and the other between ATECO 10.82.00 and NOGA 108202.

ATECO 10.82.00 ↔ NOGA 108201

ATECO 10.82.00 ↔ NOGA 108202

Figure 4.2 - ATECO and NOGA national links within NACE class 10.82



Source: Author's processing of Istat, 2022, and Swiss Federal Statistical Office, 2008

Another example of this type of link is the retail sale of glasses and other optical goods, as well as photographic articles. At the Italian level these activities are classified together in ATECO code 47.78.20 *Commercio al dettaglio di materiale per ottica e fotografia*, while they are split into two different codes in the NOGA: 477802 *Commercio al dettaglio di occhiali e articoli simili* and 477803 *Commercio al dettaglio di articoli fotografici*. As a consequence, the correspondence table includes two links: the first one between ATECO 47.78.20 and NOGA 477802 and the other between ATECO 47.78.20 and NOGA 477803.

ATECO 47.78.20 ↔ NOGA 477802

ATECO 47.78.20 ↔ NOGA 477803

Being more precise, the specification of partial coverage on the ATECO side could be presented as well to support the user in understanding the kind of relationship existing between the two classifications:

Partial ATECO 47.78.20 ↔ *Total* NOGA 477802

Partial ATECO 47.78.20 ↔ *Total* NOGA 477803

The two clusters introduced above differ in that ATECO 47.78.20 does not correspond exactly to NACE class 47.78, while ATECO 10.82.00 corresponds exactly to NACE class 10.82. In the first case, Italy reaches a national breakdown at the level of category (5-digit-level) instead of that of sub-category; this is evident from the fact that the ATECO code contains “2” instead of “0” in the fifth position 47.78.20. In effect, ATECO 47.78.20 is derived from the national-level split of NACE class 47.78 into seven categories (47.78.1, 47.78.2, 47.78.3, 47.78.4, 47.78.5, 47.78.6, and 47.78.9), corresponding to seven economic activities. This choice is because the 5-digit-level ATECO is used for statistical purposes to register economic units in the national Statistical Business Register (nSBR) while the 6-digit-level is not; if Italy had introduced such a split at the lowest level, it would not have been able to produce and release statistical data separately for all seven activities considered.

A more complex example concerns NACE Rev. 2 class 26.52 “Manufacture of watches and clocks” where ATECO sub-category 26.52.00 *Fabbricazione di orologi* corresponds to five NOGA types:

265201 Manufacture and assembly of watches and clocks

265202 Manufacture and assembly of large clocks

265203 Manufacture and assembly of watch movements

265204 Manufacture of clock and watch fittings

265205 Manufacture of other watch components

4.3 Many-to-one (m:1) links

The correspondence table also includes 698 **links of many-to-one (m:1) type**, where a NOGA type corresponds to at least two ATECO sub-categories.

In three cases, a cluster contains more than 10 ATECO sub-categories linked to only one NOGA type (Table 4.4). As expected, this type of link is the most common, given that the ATECO classification comprises 1,241 codes, while the NOGA classification includes 794 codes.

Table 4.4 – Many-to-one links between ATECO 2022 and NOGA 2008

No. of ATECO sub-categories	No. of NOGA types	No. of clusters	No. of links
2	1	91	182
3	1	43	129
4	1	25	100
5	1	10	50
6	1	10	60
7	1	8	56
8	1	2	16
9	1	6	54
14	1	1	14
15	1	1	15
22	1	1	22
198			698

Source: Author's processing

An example of this group of links is NACE Rev. 2 class 10.83 “Processing of tea and coffee” that has been split into two ATECO sub-categories: 10.83.01 *Lavorazione del caffè* (Processing of coffee) and 10.83.02 *Lavorazione del tè e di altri preparati per infusi* (Processing of tea and other infusions). They are both linked to NOGA 108300 *Lavorazione del tè e del caffè* (Processing of tea and coffee).

A similar case concerns ATECO sub-categories 23.52.10 “Manufacture of lime” (in Italian *Produzione di calce*) and 23.52.20 “Manufacture of plaster” (in Italian *Produzione di gesso*), which are both linked to NOGA 235200 “Manufacture of lime and plaster” (in Italian *Produzione di calce e gesso*).

A more complex case concerns NACE Rev. 2 class 33.11 corresponding exactly to NOGA 331100 “Repair of fabricated metal products” (in Italian *Riparazione e manutenzione di prodotti in metallo*) and to 8 ATECO sub-categories:

- 33.11.01 *Riparazione e manutenzione di stampi, portastampi, sagome, forme per macchine*
- 33.11.02 *Riparazione e manutenzione di utensileria ad azionamento manuale*
- 33.11.03 *Riparazione e manutenzione di armi, sistemi d'arma e munizioni*
- 33.11.04 *Riparazione e manutenzione di casseforti, forzieri, porte metalliche blindate*
- 33.11.05 *Riparazione e manutenzione di armi bianche*
- 33.11.06 *Riparazione e manutenzione di container*
- 33.11.07 *Riparazione e manutenzione di carrelli per la spesa*
- 33.11.09 *Riparazione e manutenzione di altri prodotti in metallo*

4.4 Many-to-many (m:n) links

Finally, 185 **links of many-to-many (m:n) type** have been identified.

An example of this type of link concerns the operation of dairies and cheese-making. At the Italian level, these activities are classified under two ATECO codes: 10.51.10 *Trattamento igienico del latte* and 10.51.20 *Produzione dei derivati del latte*. The same activity is instead split into three different codes in the NOGA: 105101 Manufacture of fresh dairy products, 105102 Manufacture of cheese and 105103 Other milk processing. The derived correspondence table includes four links:

Total ATECO 10.51.10 ↔ Partial NOGA 105101

Partial ATECO 10.51.20 ↔ Partial NOGA 105101

Partial ATECO 10.51.20 ↔ Total NOGA 105102

Partial ATECO 10.51.20 ↔ Total NOGA 105103

The manufacture of fresh liquid milk, for example, is classified in ATECO 10.51.10 and NOGA 105101, while the manufacture of yoghurt is classified within ATECO 10.51.20 but in NOGA 105101. The manufacture of cheese is classified in NOGA 105102, while the manufacture of whey is classified in NOGA 105103; in the ATECO classification, both the manufacture of cheese and whey are classified in the same sub-category, ATECO 10.51.20.

Another example concerns NACE class 96.01 “Washing and (dry-)cleaning of textile and fur products”. The Swiss breakdown for this class is:

960101 Washing of textiles

960102 Dry-cleaning

The Italian breakdown is instead based on the type of customers served (industrial or commercial clients) and makes a distinction between self-service and non-self-service activities for commercial clients.

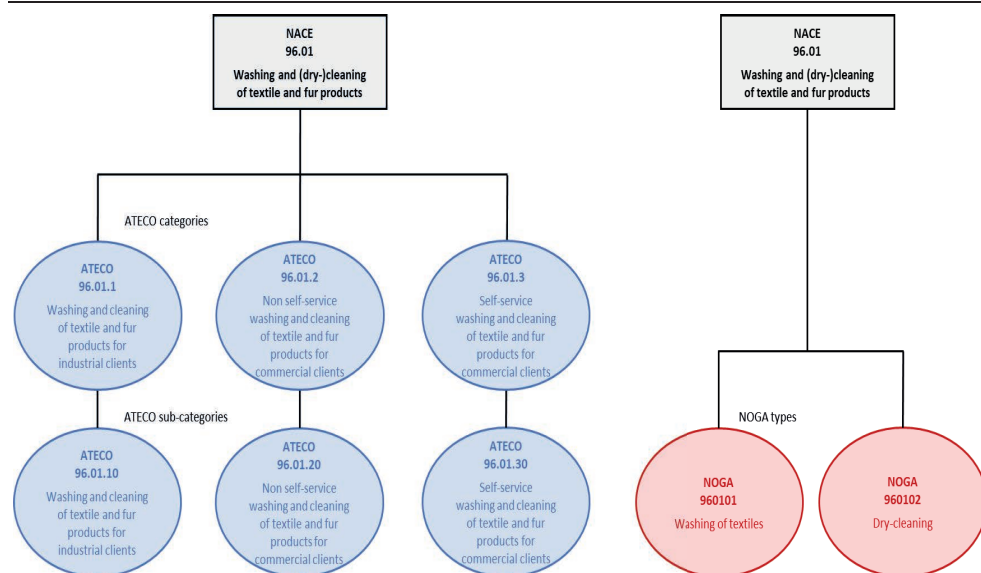
96.01.10 *Attività delle lavanderie industriali* (Washing and cleaning of textile and fur products for industrial clients)

96.01.20 *Attività di lavanderie, tintorie tradizionali* (Non-self-service washing and cleaning of textile and fur products for commercial clients)

96.01.30 *Attività di lavanderie self-service* (Self-service washing and cleaning of textile and fur products for commercial clients)

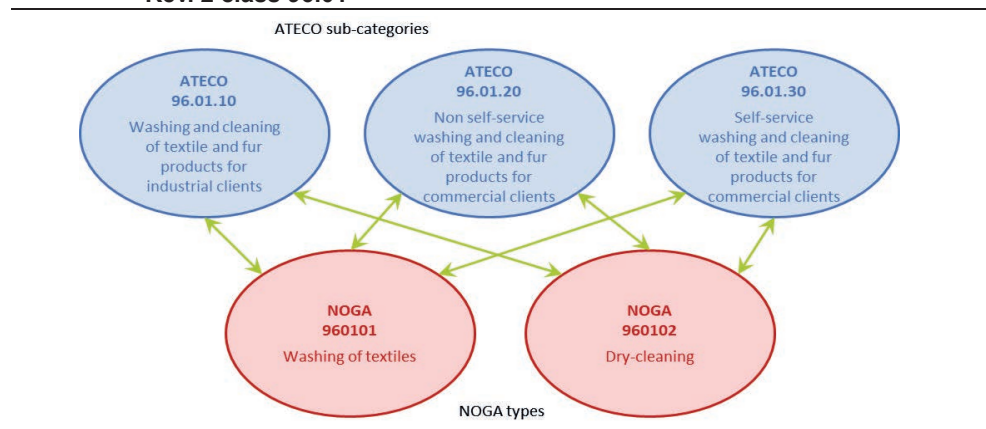
Considering all the above, the complete correspondences within NACE Rev. 2 class 96.01 between the two classifications consist of six links (Figures 4.3 and 4.4), all characterised by partial coverage from both ATECO and NOGA sides.

Figure 4.3 - ATECO 2022 and NOGA 2008 national breakdown within NACE Rev. 2 class 96.01



Source: Author's processing

Figure 4.4 - ATECO 2022 and NOGA 2008 national many-to-many links within NACE Rev. 2 class 96.01



Source: Author's processing

4.5 Inconsistent links concerning the NACE

Regardless of the type of links created, three **critical cases** have also been identified where the correspondence at the NACE class level is not completely satisfied. In such situations, the interpretation of the same classification seems to be different in the two countries; another reason lies in the way some economic activities are organised in the different countries. Nevertheless, such a type of inconsistency should not be introduced in national classifications, thus coordination at the European level needs to be fostered, encouraging countries to share their views about classification decisions taken at the national level regularly.

The first case concerns masonry activities that are not mentioned in the NACE Rev. 2. Such activities have instead been mentioned in the ATECO classification within NACE class 43.39, but in the NOGA classification within NACE class 4399.

ATECO 43.39.01 *Attività non specializzate di lavori edili (muratori)*

NOGA 439903 *Masonry (in Italian Lavori di muratura)*

The second case, contained in a many-to-one type cluster, is about financial activities undertaken by the Post that have been included in ATECO code 66.19.40 within NACE Rev. 2 class 66.19 but in NOGA code 641912 with the following note of inclusion: “activities of Postfinance”.

ATECO 66.19.40 *Attività di Bancoposta*

NOGA 641912 Other monetary intermediation n.e.c. (in Italian *Altre intermediazioni monetarie n.c.a.*)

The last case concerns the activities of civil protection that have been classified in ATECO code 84.25.20 within NACE Rev. 2 class 84.25 but in NOGA code 842202, generating a one-to-one link.

ATECO 84.25.20 *Attività di protezione civile*

NOGA 842202 Civil defence (in Italian *Protezione civile*)

5. Discussion and conclusions

Research in the field of statistical classifications is still scarce as expert statisticians having several cross-skills are needed to maintain, update and revise standard statistical classifications. Such classifications are essential tools in the production of statistics and are also used to support policy decisions.

The existence of an integrated system of international statistical economic classifications, developed mainly under the auspices of the United Nations Statistical Division, is the way framework statistical classifications of economic activities, products and goods, which differ in terms of family and geographical reference, are linked; thus, allowing data to be compared even if produced according to different classification schemes. Indeed, they are used to ensure coherence and especially comparability across countries, that is, between data produced in different geographical areas and statistical domains.

The system includes world, regional and national economic classifications; world classifications are linked to regional classifications, while regional classifications are linked to national classifications. As we know, no recommendations are provided to check consistency between at least two national classifications derived from the same regional (*e.g.* European) reference classifications.

The research work is intended to explore direct links between the Italian ATECO and the Swiss NOGA classifications of economic activities, both derived from the European NACE classification, to compare the two schemes, highlighting best practices and different solutions to derive national versions of the NACE. In this respect, an extension to national versions of the NACE is provided to the integrated system of statistical economic classifications.

The availability of the ATECO and the NOGA classifications in the same language (Italian) has been a strength for the whole research work. The output produced is a correspondence table between ATECO sub-categories and NOGA types, consisting of 1,397 pairwise links. The majority of the links have been derived automatically, exploiting the coding system used by the two classifications, while the remaining links, the most complex ones, have been created by analysing explanatory notes of the two classifications.

The output is quite reliable, as it has been produced by experts in the ATECO classifications. However, there is room for improvement, especially about non-automatic links. This is because the understanding and interpretation of the three classifications - NACE, ATECO, and NOGA - may vary among their respective custodians. For what we are interested in, the exploration of pairwise linking between national classifications deriving from the same common international or regional reference classification, for instance, the NACE, may have a lot of advantages. More specifically, it may serve to satisfy the following aims.

- To look for the relevance of an economic activity at European level (*e.g.* during the process of revision of the reference European classification). This goal may be reached by counting how many Member States have the same national sub-classes for a given economic activity. A good example is provided by residual classes created at European level where different activities are classified; if a certain number of Member States have defined the same national sub-class to extract one of these miscellaneous activities, it may mean that there exists a certain interest and informative need to promote it at a higher level, that of class, and thus, to create a new class in the European classification.
- To investigate the degree of consistency between national classifications directly derived from the NACE. When Member States set up national codes for economic activities that are not explicitly mentioned in the explanatory notes of a NACE class, they may generate consistency errors if their interpretation of the contents of the same European class is different. Such a circumstance may generate significant mismatches in the whole integrated system of economic classifications and thus in the data produced.
- To be used as best practices for those Member States who decide to develop a national version of the reference European classification or for all those Member States who want to revise theirs. A regular process of comparison between national classifications derived by the same reference classification may also be useful to define European guidelines to support Member States in deriving national versions.

- To provide information to European and national stakeholders on the availability of comparable national data referred to some countries that would result in being more detailed than those available at European level.
- In the long period, those Member States whose productive systems are similar, might also consider aligning their national classifications, at least for some classes whose relevance is recognised in the different countries, to release more comparable data and look for harmonisation.

Despite of the advantages that may be derived, the development and maintenance of *ad hoc* pairwise correspondences are not a common practice especially because it is time-consuming and requires the involvement of experts in the field of statistical classifications who are rare. It also may necessitate the knowledge of different languages, since those national classifications are not always available in English or in the same language.

Indeed, once a pairwise correspondence table between two national classifications (e.g. national versions of the European NACE) is set up for the first time, the activities to maintain and update such a correspondence table are meant to be sufficient easy as it means systematically applying correspondences between the new NACE and its new national versions. But it also means introducing manual checks based on a deep study of explanatory notes to solve the trickiest links.

The results of this research work should encourage experts in the field of statistical classifications to explore pairwise links between national versions of the same European classifications to check if they are really consistent within the whole integrated system of international statistical economic classifications. In addition, such correspondence tables may be used at European level when a country encounters a classification problem that has already been dealt and solved within a national version.

To achieve this goal, national versions should also be available in English. When two countries apply the same sub-classes, their title in English should be the same to facilitate the understanding process of the users.

At the moment of writing, the revision process of part of the integrated system of statistical economic classifications activated at international

and European level is reaching an end. More specifically, the new NACE Rev. 2.1 will enter into force starting on 1 January 2025; at the same time, existing national versions will have been revised as well and adapted to the new structure of the NACE. From then on, a process of regularly updating the classifications of economic activities is foreseen *e.g.* the creation of new index entries at European level. Such a decision has a significant impact on national versions which are in most cases already more detailed than the NACE implying a regular process to integrate European index entries in national versions. In this context ensuring consistency between national versions would acquire even more importance.

Appendix - Correspondence table between ATECO and NOGA

Coverage ATECO	ATECO 2022	Coverage NOGA	NOGA 2008	Link type
Total	01.11.10	Partial	011100	m:1
Total	01.11.20	Partial	011100	m:1
Total	01.11.30	Partial	011100	m:1
Total	01.11.40	Partial	011100	m:1
Total	01.12.00	Total	011200	1:1
Total	01.13.10	Partial	011300	m:1
Total	01.13.21	Partial	011300	m:1
Total	01.13.29	Partial	011300	m:1
Total	01.13.30	Partial	011300	m:1
Total	01.13.40	Partial	011300	m:1
Total	01.14.00	Total	011400	1:1
Total	01.15.00	Total	011500	1:1
Total	01.16.00	Total	011600	1:1
Total	01.19.10	Partial	011900	m:1
Total	01.19.21	Partial	011900	m:1
Total	01.19.29	Partial	011900	m:1
Total	01.19.90	Partial	011900	m:1
Partial	01.21.00	Total	012101	1:n
Partial	01.21.00	Total	012102	1:n
Total	01.22.00	Total	012200	1:1
Total	01.23.00	Total	012300	1:1
Total	01.24.00	Total	012400	1:1
Total	01.25.00	Total	012500	1:1
Total	01.26.00	Total	012600	1:1
Total	01.27.00	Total	012700	1:1
Total	01.28.00	Total	012800	1:1
Total	01.29.00	Total	012900	1:1
Total	01.30.00	Total	013000	1:1
Total	01.41.00	Total	014100	1:1
Total	01.42.00	Total	014200	1:1
Total	01.43.00	Total	014300	1:1
Total	01.44.00	Total	014400	1:1
Total	01.45.00	Total	014500	1:1
Total	01.46.00	Total	014600	1:1
Total	01.47.00	Total	014700	1:1
Total	01.49.10	Partial	014900	m:1
Total	01.49.20	Partial	014900	m:1
Total	01.49.30	Partial	014900	m:1
Total	01.49.40	Partial	014900	m:1
Total	01.49.90	Partial	014900	m:1
Total	01.50.00	Total	015000	1:1
Total	01.61.00	Total	016100	1:1

Coverage ATECO	ATECO 2022	Coverage NOGA	NOGA 2008	Link type
Total	01.62.01	Partial	016200	m:1
Total	01.62.09	Partial	016200	m:1
Total	01.63.00	Total	016300	1:1
Total	01.64.01	Partial	016400	m:1
Total	01.64.09	Partial	016400	m:1
Total	01.70.00	Total	017000	1:1
Total	02.10.00	Total	021000	1:1
Total	02.20.00	Total	022000	1:1
Total	02.30.00	Total	023000	1:1
Total	02.40.00	Total	024000	1:1
Total	03.11.00	Total	031100	1:1
Total	03.12.00	Total	031200	1:1
Total	03.21.00	Total	032100	1:1
Total	03.22.00	Total	032200	1:1
Total	05.10.00	Total	051000	1:1
Total	05.20.00	Total	052000	1:1
Total	06.10.00	Total	061000	1:1
Total	06.20.00	Total	062000	1:1
Total	07.10.00	Total	071000	1:1
Total	07.21.00	Total	072100	1:1
Total	07.29.00	Total	072900	1:1
Total	08.11.00	Total	081100	1:1
Total	08.12.00	Total	081200	1:1
Total	08.91.00	Total	089100	1:1
Total	08.92.00	Total	089200	1:1
Total	08.93.00	Total	089300	1:1
Total	08.99.01	Partial	089900	m:1
Total	08.99.09	Partial	089900	m:1
Total	09.10.00	Total	091000	1:1
Total	09.90.01	Partial	099000	m:1
Total	09.90.09	Partial	099000	m:1
Total	10.11.00	Total	101100	1:1
Total	10.12.00	Total	101200	1:1
Total	10.13.00	Total	101300	1:1
Total	10.20.00	Total	102000	1:1
Total	10.31.00	Total	103100	1:1
Total	10.32.00	Total	103200	1:1
Total	10.39.00	Total	103900	1:1
Total	10.41.10	Partial	104100	m:1
Total	10.41.20	Partial	104100	m:1
Total	10.41.30	Partial	104100	m:1
Total	10.42.00	Total	104200	1:1
Total	10.51.10	Partial	105101	m:n
Partial	10.51.20	Partial	105101	m:n

Coverage ATECO	ATECO 2022	Coverage NOGA	NOGA 2008	Link type
Partial	10.51.20	Total	105102	m:n
Partial	10.51.20	Total	105103	m:n
Total	10.52.00	Total	105200	1:1
Total	10.61.10	Partial	106100	m:1
Total	10.61.20	Partial	106100	m:1
Total	10.61.30	Partial	106100	m:1
Total	10.61.40	Partial	106100	m:1
Total	10.62.00	Total	106200	1:1
Total	10.71.10	Partial	107100	m:1
Total	10.71.20	Partial	107100	m:1
Total	10.72.00	Total	107200	1:1
Total	10.73.00	Total	107300	1:1
Total	10.81.00	Total	108100	1:1
Partial	10.82.00	Total	108201	1:n
Partial	10.82.00	Total	108202	1:n
Total	10.83.01	Partial	108300	m:1
Total	10.83.02	Partial	108300	m:1
Total	10.84.00	Total	108400	1:1
Total	10.85.01	Partial	108500	m:1
Total	10.85.02	Partial	108500	m:1
Total	10.85.03	Partial	108500	m:1
Total	10.85.04	Partial	108500	m:1
Total	10.85.05	Partial	108500	m:1
Total	10.85.09	Partial	108500	m:1
Total	10.86.00	Total	108600	1:1
Total	10.89.01	Partial	108900	m:1
Total	10.89.09	Partial	108900	m:1
Total	10.91.00	Total	109100	1:1
Total	10.92.00	Total	109200	1:1
Total	11.01.00	Total	110100	1:1
Total	11.02.10	Partial	110200	m:1
Total	11.02.20	Partial	110200	m:1
Total	11.03.00	Total	110300	1:1
Total	11.04.00	Total	110400	1:1
Total	11.05.00	Total	110500	1:1
Total	11.06.00	Total	110600	1:1
Total	11.07.00	Total	110700	1:1
Total	12.00.00	Total	120000	1:1
Partial	13.10.00	Total	131001	1:n
Partial	13.10.00	Total	131002	1:n
Partial	13.10.00	Total	131003	1:n
Partial	13.10.00	Total	131004	1:n
Partial	13.20.00	Total	132001	1:n
Partial	13.20.00	Total	132002	1:n

Coverage ATECO	ATECO 2022	Coverage NOGA	NOGA 2008	Link type
Partial	13.20.00	Total	132003	1:n
Total	13.30.00	Total	133000	1:1
Total	13.91.00	Total	139100	1:1
Partial	13.92.10	Partial	139201	m:n
Partial	13.92.10	Partial	139202	m:n
Partial	13.92.20	Total	139202	m:n
Partial	13.92.20	Total	139203	m:n
Total	13.93.00	Total	139300	1:1
Total	13.94.00	Total	139400	1:1
Total	13.95.00	Total	139500	1:1
Total	13.96.10	Partial	139600	m:1
Total	13.96.20	Partial	139600	m:1
Total	13.99.10	Total	139901	1:1
Total	13.99.20	Total	139902	1:1
Total	13.99.90	Total	139903	1:1
Total	14.11.00	Total	141100	1:1
Total	14.12.00	Total	141200	1:1
Partial	14.13.10	Partial	141301	m:n
Partial	14.13.10	Partial	141302	m:n
Partial	14.13.10	Partial	141303	m:n
Partial	14.13.20	Partial	141301	m:n
Partial	14.13.20	Partial	141302	m:n
Partial	14.13.20	Partial	141303	m:n
Partial	14.14.00	Total	141401	1:n
Partial	14.14.00	Total	141402	1:n
Partial	14.14.00	Total	141403	1:n
Total	14.19.10	Partial	141900	m:1
Total	14.19.21	Partial	141900	m:1
Total	14.19.29	Partial	141900	m:1
Total	14.20.00	Total	142000	1:1
Total	14.31.00	Total	143100	1:1
Total	14.39.00	Total	143900	1:1
Total	15.11.00	Total	151100	1:1
Total	15.12.01	Partial	151200	m:1
Total	15.12.09	Partial	151200	m:1
Total	15.20.10	Partial	152000	m:1
Total	15.20.20	Partial	152000	m:1
Partial	16.10.00	Total	161001	1:n
Partial	16.10.00	Total	161002	1:n
Partial	16.10.00	Total	161003	1:n
Total	16.21.00	Total	162100	1:1
Total	16.22.00	Total	162200	1:1
Total	16.23.10	Partial	162301	m:n
Total	16.23.21	Partial	162303	m:n

Coverage ATECO	ATECO 2022	Coverage NOGA	NOGA 2008	Link type
Partial	16.23.22	Partial	162301	m:n
Partial	16.23.22	Total	162302	m:n
Partial	16.23.22	Partial	162303	m:n
Total	16.24.00	Total	162400	1:1
Total	16.29.11	Partial	162900	m:1
Total	16.29.12	Partial	162900	m:1
Total	16.29.19	Partial	162900	m:1
Total	16.29.20	Partial	162900	m:1
Total	16.29.30	Partial	162900	m:1
Total	16.29.40	Partial	162900	m:1
Total	17.11.00	Total	171100	1:1
Total	17.12.00	Total	171200	1:1
Total	17.21.00	Total	172100	1:1
Total	17.22.00	Total	172200	1:1
Total	17.23.01	Partial	172300	m:1
Total	17.23.09	Partial	172300	m:1
Total	17.24.00	Total	172400	1:1
Total	17.29.00	Total	172900	1:1
Total	18.11.00	Total	181100	1:1
Partial	18.12.00	Total	181201	1:n
Partial	18.12.00	Total	181202	1:n
Partial	18.12.00	Total	181203	1:n
Partial	18.12.00	Total	181204	1:n
Partial	18.13.00	Total	181301	1:n
Partial	18.13.00	Total	181302	1:n
Total	18.14.00	Total	181400	1:1
Total	18.20.00	Total	182000	1:1
Total	19.10.01	Partial	191000	m:1
Total	19.10.09	Partial	191000	m:1
Total	19.20.10	Partial	192000	m:1
Total	19.20.20	Partial	192000	m:1
Total	19.20.30	Partial	192000	m:1
Total	19.20.40	Partial	192000	m:1
Total	19.20.90	Partial	192000	m:1
Total	20.11.00	Total	201100	1:1
Total	20.12.00	Total	201200	1:1
Total	20.13.01	Partial	201300	m:1
Total	20.13.09	Partial	201300	m:1
Total	20.14.01	Partial	201400	m:1
Total	20.14.09	Partial	201400	m:1
Total	20.15.00	Total	201500	1:1
Total	20.16.00	Total	201600	1:1
Total	20.17.00	Total	201700	1:1
Total	20.20.00	Total	202000	1:1

Coverage ATECO	ATECO 2022	Coverage NOGA	NOGA 2008	Link type
Total	20.30.00	Total	203000	1:1
Total	20.41.10	Partial	204100	m:1
Total	20.41.20	Partial	204100	m:1
Total	20.42.00	Total	204200	1:1
Total	20.51.01	Partial	205100	m:1
Total	20.51.02	Partial	205100	m:1
Total	20.52.00	Total	205200	1:1
Total	20.53.00	Total	205300	1:1
Total	20.59.10	Partial	205900	m:1
Total	20.59.20	Partial	205900	m:1
Total	20.59.30	Partial	205900	m:1
Total	20.59.40	Partial	205900	m:1
Total	20.59.50	Partial	205900	m:1
Total	20.59.60	Partial	205900	m:1
Total	20.59.70	Partial	205900	m:1
Total	20.59.90	Partial	205900	m:1
Total	20.60.00	Total	206000	1:1
Total	21.10.00	Total	211000	1:1
Total	21.20.01	Partial	212000	m:1
Total	21.20.09	Partial	212000	m:1
Total	22.11.10	Partial	221100	m:1
Total	22.11.20	Partial	221100	m:1
Total	22.19.01	Partial	221900	m:1
Total	22.19.09	Partial	221900	m:1
Total	22.21.00	Total	222100	1:1
Total	22.22.00	Total	222200	1:1
Total	22.23.01	Partial	222300	m:1
Total	22.23.02	Partial	222300	m:1
Total	22.23.09	Partial	222300	m:1
Total	22.29.01	Partial	222900	m:1
Total	22.29.02	Partial	222900	m:1
Total	22.29.09	Partial	222900	m:1
Total	23.11.00	Total	231100	1:1
Total	23.12.00	Total	231200	1:1
Total	23.13.00	Total	231300	1:1
Total	23.14.00	Total	231400	1:1
Total	23.19.10	Partial	231900	m:1
Total	23.19.20	Partial	231900	m:1
Total	23.19.90	Partial	231900	m:1
Total	23.20.00	Total	232000	1:1
Total	23.31.00	Total	233100	1:1
Total	23.32.00	Total	233200	1:1
Total	23.41.00	Total	234100	1:1
Total	23.42.00	Total	234200	1:1

Coverage ATECO	ATECO 2022	Coverage NOGA	NOGA 2008	Link type
Total	23.43.00	Total	234300	1:1
Total	23.44.00	Total	234400	1:1
Total	23.49.00	Total	234900	1:1
Total	23.51.00	Total	235100	1:1
Total	23.52.10	Partial	235200	m:1
Total	23.52.20	Partial	235200	m:1
Total	23.61.00	Total	236100	1:1
Total	23.62.00	Total	236200	1:1
Total	23.63.00	Total	236300	1:1
Total	23.64.00	Total	236400	1:1
Total	23.65.00	Total	236500	1:1
Total	23.69.00	Total	236900	1:1
Total	23.70.10	Partial	237000	m:1
Total	23.70.20	Partial	237000	m:1
Total	23.70.30	Partial	237000	m:1
Total	23.91.00	Total	239100	1:1
Partial	23.99.00	Total	239901	1:n
Partial	23.99.00	Total	239902	1:n
Total	24.10.00	Total	241000	1:1
Total	24.20.10	Partial	242000	m:1
Total	24.20.20	Partial	242000	m:1
Total	24.31.00	Total	243100	1:1
Total	24.32.00	Total	243200	1:1
Total	24.33.01	Partial	243300	m:1
Total	24.33.02	Partial	243300	m:1
Total	24.33.03	Partial	243300	m:1
Total	24.34.00	Total	243400	1:1
Total	24.41.00	Total	244100	1:1
Total	24.42.00	Total	244200	1:1
Total	24.43.00	Total	244300	1:1
Total	24.44.00	Total	244400	1:1
Total	24.45.00	Total	244500	1:1
Total	24.46.00	Total	244600	1:1
Total	24.51.00	Total	245100	1:1
Total	24.52.00	Total	245200	1:1
Total	24.53.00	Total	245300	1:1
Total	24.54.00	Total	245400	1:1
Total	25.11.00	Total	251100	1:1
Total	25.12.10	Partial	251200	m:1
Total	25.12.20	Partial	251200	m:1
Total	25.21.00	Total	252100	1:1
Total	25.29.00	Total	252900	1:1
Total	25.30.00	Total	253000	1:1
Total	25.40.00	Total	254000	1:1

Coverage ATECO	ATECO 2022	Coverage NOGA	NOGA 2008	Link type
Total	25.50.00	Total	255000	1:1
Total	25.61.00	Total	256100	1:1
Partial	25.62.00	Total	256201	1:n
Partial	25.62.00	Total	256202	1:n
Partial	25.62.00	Total	256203	1:n
Total	25.71.00	Total	257100	1:1
Total	25.72.00	Total	257200	1:1
Total	25.73.11	Partial	257300	m:1
Total	25.73.12	Partial	257300	m:1
Total	25.73.20	Partial	257300	m:1
Total	25.91.00	Total	259100	1:1
Total	25.92.00	Total	259200	1:1
Total	25.93.10	Partial	259300	m:1
Total	25.93.20	Partial	259300	m:1
Total	25.93.30	Partial	259300	m:1
Total	25.94.00	Total	259400	1:1
Total	25.99.11	Partial	259900	m:1
Total	25.99.19	Partial	259900	m:1
Total	25.99.20	Partial	259900	m:1
Total	25.99.30	Partial	259900	m:1
Total	25.99.91	Partial	259900	m:1
Total	25.99.99	Partial	259900	m:1
Total	26.11.01	Partial	261100	m:1
Total	26.11.09	Partial	261100	m:1
Total	26.12.00	Total	261200	1:1
Total	26.20.00	Total	262000	1:1
Total	26.30.10	Partial	263000	m:1
Total	26.30.21	Partial	263000	m:1
Total	26.30.29	Partial	263000	m:1
Total	26.40.01	Partial	264000	m:1
Total	26.40.02	Partial	264000	m:1
Total	26.51.10	Partial	265100	m:1
Total	26.51.21	Partial	265100	m:1
Total	26.51.29	Partial	265100	m:1
Partial	26.52.00	Total	265201	1:n
Partial	26.52.00	Total	265202	1:n
Partial	26.52.00	Total	265203	1:n
Partial	26.52.00	Total	265204	1:n
Partial	26.52.00	Total	265205	1:n
Total	26.60.01	Partial	266000	m:1
Total	26.60.02	Partial	266000	m:1
Total	26.60.09	Partial	266000	m:1
Total	26.70.11	Partial	267000	m:1
Total	26.70.12	Partial	267000	m:1

	Coverage ATECO ATECO 2022		Coverage NOGA NOGA 2008	Link type
Total	26.70.20	Partial	267000	m:1
Total	26.80.00	Total	268000	1:1
Total	27.11.00	Total	271100	1:1
Total	27.12.00	Total	271200	1:1
Total	27.20.00	Total	272000	1:1
Total	27.31.01	Partial	273100	m:1
Total	27.31.02	Partial	273100	m:1
Total	27.32.00	Total	273200	1:1
Total	27.33.01	Partial	273300	m:1
Total	27.33.09	Partial	273300	m:1
Total	27.40.01	Partial	274000	m:1
Total	27.40.02	Partial	274000	m:1
Total	27.40.09	Partial	274000	m:1
Total	27.51.00	Total	275100	1:1
Total	27.52.00	Total	275200	1:1
Total	27.90.01	Partial	279000	m:1
Total	27.90.02	Partial	279000	m:1
Total	27.90.03	Partial	279000	m:1
Total	27.90.09	Partial	279000	m:1
Total	28.11.11	Partial	281100	m:1
Total	28.11.12	Partial	281100	m:1
Total	28.11.20	Partial	281100	m:1
Total	28.12.00	Total	281200	1:1
Total	28.13.00	Total	281300	1:1
Total	28.14.00	Total	281400	1:1
Total	28.15.10	Partial	281500	m:1
Total	28.15.20	Partial	281500	m:1
Total	28.21.10	Partial	282100	m:1
Total	28.21.21	Partial	282100	m:1
Total	28.21.29	Partial	282100	m:1
Total	28.22.01	Partial	282200	m:1
Total	28.22.02	Partial	282200	m:1
Total	28.22.03	Partial	282200	m:1
Total	28.22.09	Partial	282200	m:1
Total	28.23.01	Partial	282300	m:1
Total	28.23.09	Partial	282300	m:1
Total	28.24.00	Total	282400	1:1
Total	28.25.00	Total	282500	1:1
Total	28.29.10	Partial	282900	m:1
Total	28.29.20	Partial	282900	m:1
Total	28.29.30	Partial	282900	m:1
Total	28.29.91	Partial	282900	m:1
Total	28.29.92	Partial	282900	m:1
Total	28.29.93	Partial	282900	m:1

Coverage ATECO	ATECO 2022	Coverage NOGA	NOGA 2008	Link type
Total	28.29.99	Partial	282900	m:1
Total	28.30.10	Partial	283000	m:1
Total	28.30.90	Partial	283000	m:1
Total	28.41.00	Total	284100	1:1
Total	28.49.01	Partial	284900	m:1
Total	28.49.09	Partial	284900	m:1
Total	28.91.00	Total	289100	1:1
Total	28.92.01	Partial	289200	m:1
Total	28.92.09	Partial	289200	m:1
Total	28.93.00	Total	289300	1:1
Total	28.94.10	Partial	289400	m:1
Total	28.94.20	Partial	289400	m:1
Total	28.94.30	Partial	289400	m:1
Total	28.95.00	Total	289500	1:1
Total	28.96.00	Total	289600	1:1
Total	28.99.10	Total	289901	1:1
Total	28.99.20	Partial	289902	m:1
Total	28.99.30	Partial	289902	m:1
Total	28.99.91	Partial	289902	m:1
Total	28.99.92	Partial	289902	m:1
Total	28.99.93	Partial	289902	m:1
Total	28.99.99	Partial	289902	m:1
Total	29.10.00	Total	291000	1:1
Total	29.20.00	Total	292000	1:1
Total	29.31.00	Total	293100	1:1
Total	29.32.01	Partial	293200	m:1
Total	29.32.09	Partial	293200	m:1
Total	30.11.01	Partial	301100	m:1
Total	30.11.02	Partial	301100	m:1
Total	30.12.00	Total	301200	1:1
Total	30.20.01	Partial	302000	m:1
Total	30.20.02	Partial	302000	m:1
Total	30.30.01	Partial	303000	m:1
Total	30.30.02	Partial	303000	m:1
Total	30.30.09	Partial	303000	m:1
Total	30.40.00	Total	304000	1:1
Total	30.91.11	Partial	309100	m:1
Total	30.91.12	Partial	309100	m:1
Total	30.91.20	Partial	309100	m:1
Total	30.92.10	Partial	309201	m:1
Total	30.92.20	Partial	309201	m:1
Total	30.92.30	Total	309202	1:1
Total	30.92.40	Partial	309201	m:1
Total	30.99.00	Total	309900	1:1

Coverage ATECO	ATECO 2022	Coverage NOGA	NOGA 2008	Link type
Total	31.01.10	Partial	310100	m:1
Total	31.01.21	Partial	310100	m:1
Total	31.01.22	Partial	310100	m:1
Total	31.02.00	Total	310200	1:1
Total	31.03.00	Total	310300	1:1
Total	31.09.10	Partial	310900	m:1
Total	31.09.20	Partial	310900	m:1
Total	31.09.30	Partial	310900	m:1
Total	31.09.40	Partial	310900	m:1
Total	31.09.50	Partial	310900	m:1
Total	31.09.90	Partial	310900	m:1
Total	32.11.00	Total	321100	1:1
Total	32.12.10	Total	321202	1:1
Total	32.12.20	Total	321201	1:1
Total	32.13.01	Partial	321300	m:1
Total	32.13.09	Partial	321300	m:1
Total	32.20.00	Total	322000	1:1
Total	32.30.00	Total	323000	1:1
Total	32.40.10	Partial	324000	m:1
Total	32.40.20	Partial	324000	m:1
Total	32.50.11	Partial	325001	m:1
Total	32.50.12	Partial	325001	m:1
Total	32.50.13	Partial	325001	m:1
Total	32.50.14	Partial	325001	m:1
Total	32.50.20	Total	325003	1:1
Total	32.50.30	Total	325002	1:1
Total	32.50.40	Partial	325004	m:1
Total	32.50.50	Partial	325004	m:1
Total	32.91.00	Total	329100	1:1
Total	32.99.11	Partial	329900	m:1
Total	32.99.12	Partial	329900	m:1
Total	32.99.13	Partial	329900	m:1
Total	32.99.14	Partial	329900	m:1
Total	32.99.19	Partial	329900	m:1
Total	32.99.20	Partial	329900	m:1
Total	32.99.30	Partial	329900	m:1
Total	32.99.40	Partial	329900	m:1
Total	32.99.90	Partial	329900	m:1
Total	33.11.01	Partial	331100	m:1
Total	33.11.02	Partial	331100	m:1
Total	33.11.03	Partial	331100	m:1
Total	33.11.04	Partial	331100	m:1
Total	33.11.05	Partial	331100	m:1
Total	33.11.06	Partial	331100	m:1

Coverage ATECO	ATECO 2022	Coverage NOGA	NOGA 2008	Link type
Total	33.11.07	Partial	331100	m:1
Total	33.11.09	Partial	331100	m:1
Total	33.12.10	Partial	331200	m:1
Total	33.12.20	Partial	331200	m:1
Total	33.12.30	Partial	331200	m:1
Total	33.12.40	Partial	331200	m:1
Total	33.12.51	Partial	331200	m:1
Total	33.12.52	Partial	331200	m:1
Total	33.12.53	Partial	331200	m:1
Total	33.12.54	Partial	331200	m:1
Total	33.12.55	Partial	331200	m:1
Total	33.12.59	Partial	331200	m:1
Total	33.12.60	Partial	331200	m:1
Total	33.12.70	Partial	331200	m:1
Total	33.12.91	Partial	331200	m:1
Total	33.12.92	Partial	331200	m:1
Total	33.12.99	Partial	331200	m:1
Total	33.13.01	Partial	331300	m:1
Total	33.13.03	Partial	331300	m:1
Total	33.13.04	Partial	331300	m:1
Total	33.13.09	Partial	331300	m:1
Total	33.14.00	Total	331400	1:1
Total	33.15.00	Total	331500	1:1
Total	33.16.00	Total	331600	1:1
Total	33.17.00	Total	331700	1:1
Total	33.19.01	Partial	331900	m:1
Total	33.19.02	Partial	331900	m:1
Total	33.19.03	Partial	331900	m:1
Total	33.19.04	Partial	331900	m:1
Total	33.19.09	Partial	331900	m:1
Total	33.20.01	Partial	332000	m:1
Total	33.20.02	Partial	332000	m:1
Total	33.20.03	Partial	332000	m:1
Total	33.20.04	Partial	332000	m:1
Total	33.20.05	Partial	332000	m:1
Total	33.20.06	Partial	332000	m:1
Total	33.20.07	Partial	332000	m:1
Total	33.20.08	Partial	332000	m:1
Total	33.20.09	Partial	332000	m:1
Total	35.11.00	Total	351100	1:1
Total	35.12.00	Total	351200	1:1
Total	35.13.00	Total	351300	1:1
Total	35.14.00	Total	351400	1:1
Total	35.21.00	Total	352100	1:1

Coverage ATECO	ATECO 2022	Coverage NOGA	NOGA 2008	Link type
Total	35.22.00	Total	352200	1:1
Total	35.23.00	Total	352300	1:1
Total	35.30.00	Total	353000	1:1
Total	36.00.00	Total	360000	1:1
Total	37.00.00	Total	370000	1:1
Total	38.11.00	Total	381100	1:1
Total	38.12.00	Total	381200	1:1
Total	38.21.01	Partial	382100	m:1
Total	38.21.09	Partial	382100	m:1
Total	38.22.00	Total	382200	1:1
Total	38.31.10	Partial	383100	m:1
Total	38.31.20	Partial	383100	m:1
Total	38.32.10	Partial	383200	m:1
Total	38.32.20	Partial	383200	m:1
Total	38.32.30	Partial	383200	m:1
Total	39.00.01	Partial	390000	m:1
Total	39.00.09	Partial	390000	m:1
Total	41.10.00	Total	411000	1:1
Partial	41.20.00	Total	412001	1:n
Partial	41.20.00	Total	412002	1:n
Partial	41.20.00	Total	412003	1:n
Partial	41.20.00	Total	412004	1:n
Total	42.11.00	Total	421100	1:1
Total	42.12.00	Total	421200	1:1
Total	42.13.00	Total	421300	1:1
Total	42.21.00	Total	422100	1:1
Total	42.22.00	Total	422200	1:1
Total	42.91.00	Total	429100	1:1
Total	42.99.01	Partial	429900	m:1
Total	42.99.09	Partial	429900	m:1
Total	43.11.00	Total	431100	1:1
Total	43.12.00	Total	431200	1:1
Total	43.13.00	Total	431300	1:1
Total	43.21.01	Partial	432100	m:1
Total	43.21.02	Partial	432100	m:1
Total	43.21.03	Partial	432100	m:1
Total	43.21.04	Partial	432100	m:1
Partial	43.22.01	Total	432201	m:n
Partial	43.22.01	Partial	432202	m:n
Partial	43.22.01	Total	432203	m:n
Total	43.22.02	Partial	432202	m:n
Total	43.22.03	Partial	432204	m:1
Total	43.22.04	Partial	432204	m:1
Total	43.22.05	Partial	432204	m:1

Coverage ATECO	ATECO 2022	Coverage NOGA	NOGA 2008	Link type
Total	43.29.01	Partial	432902	m:1
Total	43.29.02	Total	432901	1:1
Total	43.29.09	Partial	432902	m:1
Total	43.31.00	Total	433100	1:1
Total	43.32.01	Partial	433200	m:1
Total	43.32.02	Partial	433200	m:1
Partial	43.33.00	Total	433301	1:n
Partial	43.33.00	Total	433302	1:n
Partial	43.33.00	Total	433303	1:n
Partial	43.34.00	Total	433401	1:n
Partial	43.34.00	Total	433402	1:n
Partial	43.34.00	Total	433403	1:n
Partial	43.39.01	Partial	433900	m:n
Partial	43.39.01	Partial	439903	m:n
Partial	43.39.09	Partial	433900	m:n
Partial	43.39.09	Partial	439903	m:n
Partial	43.91.00	Total	439101	1:n
Partial	43.91.00	Total	439102	1:n
Partial	43.91.00	Total	439103	1:n
Total	43.99.01	Partial	439905	m:n
Total	43.99.02	Total	439904	1:1
Partial	43.99.09	Total	439901	m:n
Partial	43.99.09	Total	439902	m:n
Partial	43.99.09	Partial	439905	m:n
Partial	45.11.01	Partial	451101	m:n
Partial	45.11.01	Total	451102	m:n
Total	45.11.02	Partial	451101	m:n
Partial	45.19.01	Partial	451901	m:n
Partial	45.19.01	Total	451902	m:n
Total	45.19.02	Partial	451901	m:n
Total	45.20.10	Partial	452001	m:1
Total	45.20.20	Total	452002	1:1
Total	45.20.30	Partial	452001	m:1
Total	45.20.40	Partial	452001	m:1
Total	45.20.91	Partial	452001	m:1
Total	45.20.99	Partial	452001	m:1
Total	45.31.01	Partial	453100	m:1
Total	45.31.02	Partial	453100	m:1
Total	45.32.00	Total	453200	1:1
Total	45.40.11	Partial	454000	m:1
Total	45.40.12	Partial	454000	m:1
Total	45.40.21	Partial	454000	m:1
Total	45.40.22	Partial	454000	m:1
Total	45.40.30	Partial	454000	m:1

Coverage ATECO	ATECO 2022	Coverage NOGA	NOGA 2008	Link type
Total	46.11.01	Partial	461100	m:1
Total	46.11.02	Partial	461100	m:1
Total	46.11.03	Partial	461100	m:1
Total	46.11.04	Partial	461100	m:1
Total	46.11.05	Partial	461100	m:1
Total	46.11.06	Partial	461100	m:1
Total	46.11.07	Partial	461100	m:1
Total	46.12.01	Partial	461200	m:1
Total	46.12.02	Partial	461200	m:1
Total	46.12.03	Partial	461200	m:1
Total	46.12.04	Partial	461200	m:1
Total	46.12.05	Partial	461200	m:1
Total	46.12.06	Partial	461200	m:1
Total	46.12.07	Partial	461200	m:1
Total	46.13.01	Partial	461300	m:1
Total	46.13.02	Partial	461300	m:1
Total	46.13.03	Partial	461300	m:1
Total	46.13.04	Partial	461300	m:1
Total	46.13.05	Partial	461300	m:1
Total	46.14.01	Partial	461400	m:1
Total	46.14.02	Partial	461400	m:1
Total	46.14.03	Partial	461400	m:1
Total	46.14.04	Partial	461400	m:1
Total	46.14.05	Partial	461400	m:1
Total	46.14.06	Partial	461400	m:1
Total	46.14.07	Partial	461400	m:1
Total	46.15.01	Partial	461500	m:1
Total	46.15.02	Partial	461500	m:1
Total	46.15.03	Partial	461500	m:1
Total	46.15.04	Partial	461500	m:1
Total	46.15.05	Partial	461500	m:1
Total	46.15.06	Partial	461500	m:1
Total	46.15.07	Partial	461500	m:1
Total	46.16.01	Partial	461600	m:1
Total	46.16.02	Partial	461600	m:1
Total	46.16.03	Partial	461600	m:1
Total	46.16.04	Partial	461600	m:1
Total	46.16.05	Partial	461600	m:1
Total	46.16.06	Partial	461600	m:1
Total	46.16.07	Partial	461600	m:1
Total	46.16.08	Partial	461600	m:1
Total	46.16.09	Partial	461600	m:1
Total	46.17.01	Partial	461700	m:1
Total	46.17.02	Partial	461700	m:1

Coverage ATECO	ATECO 2022	Coverage NOGA	NOGA 2008	Link type
Total	46.17.03	Partial	461700	m:1
Total	46.17.04	Partial	461700	m:1
Total	46.17.05	Partial	461700	m:1
Total	46.17.06	Partial	461700	m:1
Total	46.17.07	Partial	461700	m:1
Total	46.17.08	Partial	461700	m:1
Total	46.17.09	Partial	461700	m:1
Total	46.18.11	Partial	461800	m:1
Total	46.18.12	Partial	461800	m:1
Total	46.18.13	Partial	461800	m:1
Total	46.18.14	Partial	461800	m:1
Total	46.18.21	Partial	461800	m:1
Total	46.18.22	Partial	461800	m:1
Total	46.18.23	Partial	461800	m:1
Total	46.18.24	Partial	461800	m:1
Total	46.18.31	Partial	461800	m:1
Total	46.18.32	Partial	461800	m:1
Total	46.18.33	Partial	461800	m:1
Total	46.18.34	Partial	461800	m:1
Total	46.18.35	Partial	461800	m:1
Total	46.18.91	Partial	461800	m:1
Total	46.18.92	Partial	461800	m:1
Total	46.18.93	Partial	461800	m:1
Total	46.18.94	Partial	461800	m:1
Total	46.18.95	Partial	461800	m:1
Total	46.18.96	Partial	461800	m:1
Total	46.18.97	Partial	461800	m:1
Total	46.18.98	Partial	461800	m:1
Total	46.18.99	Partial	461800	m:1
Total	46.19.01	Partial	461900	m:1
Total	46.19.02	Partial	461900	m:1
Total	46.19.03	Partial	461900	m:1
Total	46.19.04	Partial	461900	m:1
Total	46.21.10	Partial	462100	m:1
Total	46.21.21	Partial	462100	m:1
Total	46.21.22	Partial	462100	m:1
Total	46.22.00	Total	462200	1:1
Total	46.23.00	Total	462300	1:1
Total	46.24.10	Partial	462400	m:1
Total	46.24.20	Partial	462400	m:1
Total	46.31.10	Partial	463100	m:1
Total	46.31.20	Partial	463100	m:1
Total	46.32.10	Partial	463200	m:1
Total	46.32.20	Partial	463200	m:1

Coverage ATECO	ATECO 2022	Coverage NOGA	NOGA 2008	Link type
Total	46.33.10	Partial	463300	m:1
Total	46.33.20	Partial	463300	m:1
Total	46.34.10	Total	463401	1:1
Total	46.34.20	Total	463402	1:1
Total	46.35.00	Total	463500	1:1
Total	46.36.00	Total	463600	1:1
Total	46.37.01	Partial	463700	m:1
Total	46.37.02	Partial	463700	m:1
Total	46.38.10	Partial	463800	m:1
Total	46.38.20	Partial	463800	m:1
Total	46.38.30	Partial	463800	m:1
Total	46.38.90	Partial	463800	m:1
Total	46.39.10	Partial	463900	m:1
Total	46.39.20	Partial	463900	m:1
Total	46.41.10	Partial	464100	m:1
Total	46.41.20	Partial	464100	m:1
Total	46.41.90	Partial	464100	m:1
Total	46.42.10	Partial	464201	m:1
Total	46.42.20	Partial	464201	m:1
Total	46.42.30	Partial	464201	m:1
Total	46.42.40	Total	464202	1:1
Partial	46.43.10	Total	464301	m:n
Partial	46.43.10	Partial	464302	m:n
Total	46.43.20	Partial	464302	m:n
Total	46.43.30	Total	464303	1:1
Total	46.44.10	Partial	464400	m:1
Total	46.44.20	Partial	464400	m:1
Total	46.44.30	Partial	464400	m:1
Total	46.44.40	Partial	464400	m:1
Total	46.45.00	Total	464500	1:1
Total	46.46.10	Partial	464601	m:1
Total	46.46.20	Partial	464601	m:1
Total	46.46.30	Total	464602	1:1
Total	46.47.10	Partial	464700	m:1
Total	46.47.20	Partial	464700	m:1
Total	46.47.30	Partial	464700	m:1
Partial	46.48.00	Total	464801	1:n
Partial	46.48.00	Total	464802	1:n
Total	46.49.10	Partial	464901	m:1
Total	46.49.20	Partial	464901	m:1
Total	46.49.30	Total	464902	1:1
Total	46.49.40	Total	464903	1:1
Total	46.49.50	Total	464904	1:1
Partial	46.49.90	Total	464905	1:n

Coverage ATECO	ATECO 2022	Coverage NOGA	NOGA 2008	Link type
Partial	46.49.90	Total	464906	1:n
Partial	46.51.00	Total	465101	1:n
Partial	46.51.00	Total	465102	1:n
Total	46.52.01	Partial	465200	m:1
Total	46.52.02	Partial	465200	m:1
Total	46.52.09	Partial	465200	m:1
Total	46.61.00	Total	466100	1:1
Total	46.62.00	Total	466200	1:1
Total	46.63.00	Total	466300	1:1
Total	46.64.00	Total	466400	1:1
Total	46.65.00	Total	466500	1:1
Total	46.66.00	Total	466600	1:1
Total	46.69.11	Partial	466900	m:1
Total	46.69.19	Partial	466900	m:1
Total	46.69.20	Partial	466900	m:1
Total	46.69.30	Partial	466900	m:1
Total	46.69.91	Partial	466900	m:1
Total	46.69.92	Partial	466900	m:1
Total	46.69.93	Partial	466900	m:1
Total	46.69.94	Partial	466900	m:1
Total	46.69.99	Partial	466900	m:1
Total	46.71.00	Total	467100	1:1
Total	46.72.10	Partial	467200	m:1
Total	46.72.20	Partial	467200	m:1
Total	46.73.10	Total	467301	1:1
Total	46.73.21	Partial	467302	m:1
Total	46.73.22	Partial	467302	m:1
Total	46.73.23	Partial	467302	m:1
Total	46.73.29	Partial	467302	m:1
Total	46.73.30	Total	467303	1:1
Total	46.73.40	Partial	467302	m:1
Total	46.74.10	Partial	467400	m:1
Total	46.74.20	Partial	467400	m:1
Total	46.75.01	Partial	467500	m:1
Total	46.75.02	Partial	467500	m:1
Total	46.76.10	Partial	467600	m:1
Total	46.76.20	Partial	467600	m:1
Total	46.76.30	Partial	467600	m:1
Total	46.76.90	Partial	467600	m:1
Partial	46.77.10	Total	467701	m:n
Partial	46.77.10	Partial	467702	m:n
Total	46.77.20	Partial	467702	m:n
Total	46.90.00	Total	469000	1:1
Total	47.11.10	Partial	471101	m:n

Coverage ATECO	ATECO 2022	Coverage NOGA	NOGA 2008	Link type
Partial	47.11.20	Partial	471102	m:n
Partial	47.11.20	Partial	471103	m:n
Partial	47.11.30	Partial	471101	m:n
Partial	47.11.30	Partial	471102	m:n
Partial	47.11.30	Partial	471103	m:n
Partial	47.11.30	Partial	471104	m:n
Partial	47.11.30	Partial	471105	m:n
Partial	47.11.40	Partial	471104	m:n
Partial	47.11.40	Partial	471105	m:n
Partial	47.11.50	Partial	471101	m:n
Partial	47.11.50	Partial	471102	m:n
Partial	47.11.50	Partial	471103	m:n
Partial	47.11.50	Partial	471104	m:n
Partial	47.11.50	Partial	471105	m:n
Partial	47.19.10	Total	471901	m:n
Partial	47.19.10	Partial	471902	m:n
Total	47.19.20	Partial	471902	m:n
Total	47.19.90	Partial	471902	m:n
Total	47.21.01	Partial	472100	m:1
Total	47.21.02	Partial	472100	m:1
Total	47.22.00	Total	472200	1:1
Total	47.23.00	Total	472300	1:1
Partial	47.24.10	Partial	472401	m:n
Partial	47.24.10	Partial	472402	m:n
Partial	47.24.20	Partial	472401	m:n
Partial	47.24.20	Partial	472402	m:n
Total	47.25.00	Total	472500	1:1
Total	47.26.00	Total	472600	1:1
Total	47.29.10	Total	472901	1:1
Total	47.29.20	Partial	472902	m:1
Total	47.29.30	Partial	472902	m:1
Total	47.29.90	Partial	472902	m:1
Total	47.30.00	Total	473000	1:1
Total	47.41.00	Total	474100	1:1
Total	47.42.00	Total	474200	1:1
Total	47.43.00	Total	474300	1:1
Total	47.51.10	Partial	475100	m:1
Total	47.51.20	Partial	475100	m:1
Total	47.52.10	Total	475201	1:1
Total	47.52.20	Partial	475202	m:1
Total	47.52.30	Partial	475202	m:1
Total	47.52.40	Partial	475202	m:1
Total	47.53.11	Partial	475300	m:1
Total	47.53.12	Partial	475300	m:1

Coverage ATECO	ATECO 2022	Coverage NOGA	NOGA 2008	Link type
Total	47.53.20	Partial	475300	m:1
Total	47.54.00	Total	475400	1:1
Total	47.59.10	Total	475902	1:1
Total	47.59.20	Partial	475903	m:1
Total	47.59.30	Partial	475903	m:1
Total	47.59.40	Partial	475903	m:1
Total	47.59.50	Partial	475903	m:1
Total	47.59.60	Total	475901	1:1
Total	47.59.91	Partial	475903	m:1
Total	47.59.99	Partial	475903	m:1
Total	47.61.00	Total	476100	1:1
Total	47.62.10	Total	476201	1:1
Total	47.62.20	Total	476202	1:1
Total	47.63.00	Total	476300	1:1
Partial	47.64.10	Total	476401	m:n
Partial	47.64.10	Partial	476402	m:n
Total	47.64.20	Partial	476402	m:n
Total	47.65.00	Total	476500	1:1
Partial	47.71.10	Partial	477101	m:n
Partial	47.71.10	Partial	477102	m:n
Partial	47.71.10	Partial	477103	m:n
Partial	47.71.20	Partial	477101	m:n
Partial	47.71.20	Partial	477102	m:n
Partial	47.71.20	Partial	477103	m:n
Partial	47.71.30	Partial	477101	m:n
Partial	47.71.30	Partial	477102	m:n
Partial	47.71.30	Partial	477103	m:n
Partial	47.71.40	Partial	477101	m:n
Partial	47.71.40	Partial	477102	m:n
Partial	47.71.40	Partial	477103	m:n
Partial	47.71.40	Partial	477104	m:n
Total	47.71.50	Total	477105	1:1
Total	47.72.10	Total	477201	1:1
Total	47.72.20	Total	477202	1:1
Total	47.73.10	Partial	477300	m:1
Total	47.73.20	Partial	477300	m:1
Total	47.74.00	Total	477400	1:1
Total	47.75.10	Total	477502	1:1
Total	47.75.20	Total	477501	1:1
Partial	47.76.10	Total	477601	1:n
Partial	47.76.10	Total	477602	1:n
Total	47.76.20	Total	477603	1:1
Total	47.77.00	Total	477700	1:1
Total	47.78.10	Partial	477806	m:n

Coverage ATECO	ATECO 2022	Coverage NOGA	NOGA 2008	Link type
Partial	47.78.20	Total	477802	1:n
Partial	47.78.20	Total	477803	1:n
Total	47.78.31	Total	477805	1:1
Total	47.78.32	Partial	477804	m:n
Total	47.78.33	Partial	477804	m:n
Total	47.78.34	Partial	477804	m:n
Total	47.78.35	Partial	477806	m:n
Partial	47.78.36	Partial	477804	m:n
Partial	47.78.36	Partial	477806	m:n
Total	47.78.37	Partial	477806	m:n
Total	47.78.40	Total	477801	1:1
Total	47.78.50	Partial	477806	m:n
Total	47.78.60	Partial	477806	m:n
Total	47.78.91	Partial	477806	m:n
Total	47.78.92	Partial	477806	m:n
Total	47.78.93	Partial	477806	m:n
Total	47.78.94	Partial	477806	m:n
Total	47.78.99	Partial	477806	m:n
Total	47.79.10	Partial	477902	m:1
Total	47.79.20	Total	477901	1:1
Total	47.79.30	Partial	477902	m:1
Total	47.79.40	Partial	477902	m:1
Total	47.81.01	Partial	478100	m:1
Total	47.81.02	Partial	478100	m:1
Total	47.81.03	Partial	478100	m:1
Total	47.81.09	Partial	478100	m:1
Total	47.82.01	Partial	478200	m:1
Total	47.82.02	Partial	478200	m:1
Total	47.89.01	Partial	478900	m:1
Total	47.89.02	Partial	478900	m:1
Total	47.89.03	Partial	478900	m:1
Total	47.89.04	Partial	478900	m:1
Total	47.89.05	Partial	478900	m:1
Total	47.89.09	Partial	478900	m:1
Total	47.91.10	Partial	479100	m:1
Total	47.91.20	Partial	479100	m:1
Total	47.91.30	Partial	479100	m:1
Total	47.99.10	Partial	479900	m:1
Total	47.99.20	Partial	479900	m:1
Total	49.10.00	Total	491000	1:1
Total	49.20.00	Total	492000	1:1
Total	49.31.00	Total	493100	1:1
Total	49.32.10	Partial	493200	m:1
Total	49.32.20	Partial	493200	m:1

Coverage ATECO	ATECO 2022	Coverage NOGA	NOGA 2008	Link type
Total	49.39.01	Total	493903	1:1
Partial	49.39.09	Total	493901	1:n
Partial	49.39.09	Total	493902	1:n
Total	49.41.00	Total	494100	1:1
Total	49.42.00	Total	494200	1:1
Total	49.50.10	Partial	495000	m:1
Total	49.50.20	Partial	495000	m:1
Total	50.10.00	Total	501000	1:1
Total	50.20.00	Total	502000	1:1
Total	50.30.00	Total	503000	1:1
Total	50.40.00	Total	504000	1:1
Total	51.10.10	Partial	511000	m:1
Total	51.10.20	Partial	511000	m:1
Total	51.21.00	Total	512100	1:1
Total	51.22.00	Total	512200	1:1
Total	52.10.10	Partial	521000	m:1
Total	52.10.20	Partial	521000	m:1
Total	52.21.10	Partial	522100	m:1
Total	52.21.20	Partial	522100	m:1
Total	52.21.30	Partial	522100	m:1
Total	52.21.40	Partial	522100	m:1
Total	52.21.50	Partial	522100	m:1
Total	52.21.60	Partial	522100	m:1
Total	52.21.90	Partial	522100	m:1
Total	52.22.01	Partial	522200	m:1
Total	52.22.09	Partial	522200	m:1
Total	52.23.00	Total	522300	1:1
Total	52.24.10	Partial	522400	m:1
Total	52.24.20	Partial	522400	m:1
Total	52.24.30	Partial	522400	m:1
Total	52.24.40	Partial	522400	m:1
Total	52.29.10	Partial	522900	m:1
Total	52.29.21	Partial	522900	m:1
Total	52.29.22	Partial	522900	m:1
Total	53.10.00	Total	531000	1:1
Total	53.20.00	Total	532000	1:1
Partial	55.10.00	Total	551001	1:n
Partial	55.10.00	Total	551002	1:n
Partial	55.10.00	Total	551003	1:n
Partial	55.20.10	Partial	552002	m:n
Partial	55.20.10	Partial	552003	m:n
Partial	55.20.20	Partial	552002	m:n
Partial	55.20.20	Partial	552003	m:n
Partial	55.20.30	Partial	552002	m:n

Coverage ATECO	ATECO 2022	Coverage NOGA	NOGA 2008	Link type
Partial	55.20.30	Partial	552003	m:n
Partial	55.20.40	Partial	552002	m:n
Partial	55.20.40	Partial	552003	m:n
Partial	55.20.51	Total	552001	m:n
Partial	55.20.51	Partial	552003	m:n
Partial	55.20.52	Partial	552002	m:n
Partial	55.20.52	Partial	552003	m:n
Partial	55.20.53	Partial	552002	m:n
Partial	55.20.53	Partial	552003	m:n
Partial	55.30.00	Total	553001	1:n
Partial	55.30.00	Total	553002	1:n
Total	55.90.10	Partial	559000	m:1
Total	55.90.20	Partial	559000	m:1
Partial	56.10.11	Partial	561001	m:n
Partial	56.10.11	Partial	561002	m:n
Partial	56.10.11	Partial	561003	m:n
Partial	56.10.12	Partial	561001	m:n
Partial	56.10.12	Partial	561002	m:n
Partial	56.10.12	Partial	561003	m:n
Partial	56.10.13	Partial	561001	m:n
Partial	56.10.13	Partial	561002	m:n
Partial	56.10.13	Partial	561003	m:n
Partial	56.10.20	Partial	561001	m:n
Partial	56.10.20	Partial	561003	m:n
Partial	56.10.30	Partial	561001	m:n
Partial	56.10.30	Partial	561003	m:n
Partial	56.10.41	Partial	561001	m:n
Partial	56.10.41	Partial	561003	m:n
Partial	56.10.42	Partial	561001	m:n
Partial	56.10.42	Partial	561003	m:n
Partial	56.10.50	Partial	561001	m:n
Partial	56.10.50	Partial	561003	m:n
Total	56.21.00	Total	562100	1:1
Total	56.29.10	Partial	562900	m:1
Total	56.29.20	Partial	562900	m:1
Partial	56.30.00	Total	563001	1:n
Partial	56.30.00	Total	563002	1:n
Total	58.11.00	Total	581100	1:1
Total	58.12.01	Partial	581200	m:1
Total	58.12.02	Partial	581200	m:1
Total	58.13.00	Total	581300	1:1
Total	58.14.00	Total	581400	1:1
Total	58.19.00	Total	581900	1:1
Total	58.21.00	Total	582100	1:1

Coverage ATECO	ATECO 2022	Coverage NOGA	NOGA 2008	Link type
Total	58.29.00	Total	582900	1:1
Total	59.11.00	Total	591100	1:1
Total	59.12.00	Total	591200	1:1
Total	59.13.00	Total	591300	1:1
Total	59.14.00	Total	591400	1:1
Total	59.20.10	Partial	592000	m:1
Total	59.20.20	Partial	592000	m:1
Total	59.20.30	Partial	592000	m:1
Total	60.10.00	Total	601000	1:1
Total	60.20.00	Total	602000	1:1
Total	61.10.00	Total	611000	1:1
Total	61.20.00	Total	612000	1:1
Total	61.30.00	Total	613000	1:1
Total	61.90.10	Partial	619000	m:1
Total	61.90.20	Partial	619000	m:1
Total	61.90.91	Partial	619000	m:1
Total	61.90.99	Partial	619000	m:1
Total	62.01.00	Total	620100	1:1
Total	62.02.00	Total	620200	1:1
Total	62.03.00	Total	620300	1:1
Total	62.09.01	Partial	620900	m:1
Total	62.09.09	Partial	620900	m:1
Total	63.11.11	Partial	631100	m:1
Total	63.11.19	Partial	631100	m:1
Total	63.11.20	Partial	631100	m:1
Total	63.11.30	Partial	631100	m:1
Total	63.12.00	Total	631200	1:1
Total	63.91.00	Total	639100	1:1
Total	63.99.00	Total	639900	1:1
Total	64.11.00	Total	641100	1:1
Partial	64.19.10	Total	641901	1:n
Partial	64.19.10	Total	641902	1:n
Partial	64.19.10	Total	641903	1:n
Partial	64.19.10	Total	641904	1:n
Partial	64.19.10	Total	641905	1:n
Partial	64.19.10	Total	641906	1:n
Partial	64.19.10	Total	641907	1:n
Partial	64.19.10	Total	641908	1:n
Partial	64.19.10	Total	641909	1:n
Partial	64.19.10	Total	641910	1:n
Partial	64.19.10	Total	641911	1:n
Total	64.19.20	Partial	641912	m:1
Total	64.19.30	Partial	641912	m:1
Total	64.19.40	Partial	641912	m:1

Coverage ATECO	ATECO 2022	Coverage NOGA	NOGA 2008	Link type
Partial	64.20.00	Total	642001	1:n
Partial	64.20.00	Total	642002	1:n
Total	64.30.10	Partial	643000	m:1
Total	64.30.20	Partial	643000	m:1
Total	64.91.00	Total	649100	1:1
Total	64.92.01	Partial	649202	m:n
Partial	64.92.09	Total	649201	m:n
Partial	64.92.09	Partial	649202	m:n
Total	64.99.10	Total	649901	1:1
Total	64.99.20	Partial	649903	m:n
Total	64.99.30	Partial	649903	m:n
Total	64.99.40	Partial	649903	m:n
Total	64.99.50	Partial	649903	m:n
Partial	64.99.60	Total	649902	m:n
Partial	64.99.60	Partial	649903	m:n
Total	65.11.00	Total	651100	1:1
Partial	65.12.00	Total	651201	1:n
Partial	65.12.00	Total	651202	1:n
Partial	65.12.00	Total	651203	1:n
Partial	65.12.00	Total	651204	1:n
Total	65.20.00	Total	652000	1:1
Total	65.30.10	Partial	653000	m:1
Total	65.30.20	Partial	653000	m:1
Total	65.30.30	Partial	653000	m:1
Total	66.11.00	Total	661100	1:1
Total	66.12.00	Total	661200	1:1
Total	66.19.10	Partial	661900	m:1
Total	66.19.21	Partial	661900	m:1
Total	66.19.22	Partial	661900	m:1
Total	66.19.30	Partial	661900	m:1
Total	66.19.40	Partial	641912	m:1
Total	66.19.50	Partial	661900	m:1
Total	66.21.00	Total	662100	1:1
Total	66.22.01	Partial	662200	m:1
Total	66.22.02	Partial	662200	m:1
Total	66.22.03	Partial	662200	m:1
Total	66.22.04	Partial	662200	m:1
Partial	66.29.01	Total	662901	m:n
Partial	66.29.01	Partial	662902	m:n
Total	66.29.09	Partial	662902	m:n
Partial	66.30.00	Total	663001	1:n
Partial	66.30.00	Total	663002	1:n
Total	68.10.00	Total	681000	1:1
Partial	68.20.01	Total	682001	m:n

Coverage ATECO	ATECO 2022	Coverage NOGA	NOGA 2008	Link type
Partial	68.20.01	Partial	682002	m:n
Total	68.20.02	Partial	682002	m:n
Total	68.31.00	Total	683100	1:1
Total	68.32.00	Total	683200	1:1
Partial	69.10.10	Partial	691001	m:n
Partial	69.10.10	Partial	691002	m:n
Partial	69.10.20	Partial	691001	m:n
Partial	69.10.20	Partial	691002	m:n
Total	69.20.11	Partial	692000	m:1
Total	69.20.12	Partial	692000	m:1
Total	69.20.13	Partial	692000	m:1
Total	69.20.14	Partial	692000	m:1
Total	69.20.15	Partial	692000	m:1
Total	69.20.20	Partial	692000	m:1
Total	69.20.30	Partial	692000	m:1
Partial	70.10.00	Total	701001	1:n
Partial	70.10.00	Total	701002	1:n
Total	70.21.00	Total	702100	1:1
Total	70.22.01	Partial	702200	m:1
Total	70.22.09	Partial	702200	m:1
Partial	71.11.00	Total	711101	1:n
Partial	71.11.00	Total	711102	1:n
Partial	71.11.00	Total	711103	1:n
Partial	71.12.10	Total	711201	m:n
Partial	71.12.10	Total	711202	m:n
Partial	71.12.10	Partial	711205	m:n
Total	71.12.20	Total	711203	1:1
Total	71.12.30	Total	711204	1:1
Total	71.12.40	Partial	711205	m:n
Total	71.12.50	Partial	711205	m:n
Total	71.20.10	Partial	712000	m:1
Total	71.20.21	Partial	712000	m:1
Total	71.20.22	Partial	712000	m:1
Total	71.20.23	Partial	712000	m:1
Total	72.11.00	Total	721100	1:1
Total	72.19.01	Partial	721900	m:1
Total	72.19.09	Partial	721900	m:1
Total	72.20.00	Total	722000	1:1
Total	73.11.01	Partial	731100	m:1
Total	73.11.02	Partial	731100	m:1
Total	73.12.00	Total	731200	1:1
Total	73.20.00	Total	732000	1:1
Total	74.10.10	Total	741001	1:1
Total	74.10.21	Partial	741002	m:1

Coverage ATECO	ATECO 2022	Coverage NOGA	NOGA 2008	Link type
Total	74.10.29	Partial	741002	m:1
Total	74.10.30	Partial	741003	m:1
Total	74.10.90	Partial	741003	m:1
Total	74.20.11	Partial	742001	m:1
Total	74.20.12	Partial	742001	m:1
Total	74.20.19	Partial	742001	m:1
Total	74.20.20	Total	742002	1:1
Total	74.30.00	Total	743000	1:1
Total	74.90.11	Partial	749000	m:1
Total	74.90.12	Partial	749000	m:1
Total	74.90.13	Partial	749000	m:1
Total	74.90.14	Partial	749000	m:1
Total	74.90.21	Partial	749000	m:1
Total	74.90.29	Partial	749000	m:1
Total	74.90.31	Partial	749000	m:1
Total	74.90.32	Partial	749000	m:1
Total	74.90.33	Partial	749000	m:1
Total	74.90.91	Partial	749000	m:1
Total	74.90.92	Partial	749000	m:1
Total	74.90.93	Partial	749000	m:1
Total	74.90.94	Partial	749000	m:1
Total	74.90.99	Partial	749000	m:1
Total	75.00.00	Total	750000	1:1
Total	77.11.00	Total	771100	1:1
Total	77.12.00	Total	771200	1:1
Total	77.21.01	Partial	772100	m:1
Total	77.21.02	Partial	772100	m:1
Total	77.21.09	Partial	772100	m:1
Total	77.22.00	Total	772200	1:1
Total	77.29.10	Partial	772900	m:1
Total	77.29.90	Partial	772900	m:1
Total	77.31.00	Total	773100	1:1
Total	77.32.00	Total	773200	1:1
Total	77.33.00	Total	773300	1:1
Total	77.34.00	Total	773400	1:1
Total	77.35.00	Total	773500	1:1
Total	77.39.10	Partial	773900	m:1
Total	77.39.91	Partial	773900	m:1
Total	77.39.92	Partial	773900	m:1
Total	77.39.93	Partial	773900	m:1
Total	77.39.94	Partial	773900	m:1
Total	77.39.99	Partial	773900	m:1
Total	77.40.00	Total	774000	1:1
Total	78.10.00	Total	781000	1:1

Coverage ATECO	ATECO 2022	Coverage NOGA	NOGA 2008	Link type
Total	78.20.00	Total	782000	1:1
Total	78.30.00	Total	783000	1:1
Total	79.11.00	Total	791100	1:1
Total	79.12.00	Total	791200	1:1
Total	79.90.11	Partial	799002	m:n
Partial	79.90.19	Total	799001	m:n
Partial	79.90.19	Partial	799002	m:n
Total	79.90.20	Partial	799002	m:n
Total	80.10.00	Total	801000	1:1
Total	80.20.00	Total	802000	1:1
Total	80.30.00	Total	803000	1:1
Total	81.10.00	Total	811000	1:1
Total	81.21.00	Total	812100	1:1
Total	81.22.01	Partial	812202	m:n
Partial	81.22.02	Total	812201	m:n
Partial	81.22.02	Partial	812202	m:n
Total	81.29.10	Partial	812900	m:1
Total	81.29.91	Partial	812900	m:1
Total	81.29.99	Partial	812900	m:1
Total	81.30.00	Total	813000	1:1
Total	82.11.01	Partial	821100	m:1
Total	82.11.02	Partial	821100	m:1
Total	82.19.01	Total	821901	1:1
Total	82.19.09	Total	821902	1:1
Total	82.20.00	Total	822000	1:1
Total	82.30.00	Total	823000	1:1
Total	82.91.10	Partial	829100	m:1
Total	82.91.20	Partial	829100	m:1
Total	82.92.10	Partial	829200	m:1
Total	82.92.20	Partial	829200	m:1
Total	82.99.10	Partial	829900	m:1
Total	82.99.20	Partial	829900	m:1
Total	82.99.30	Partial	829900	m:1
Total	82.99.40	Partial	829900	m:1
Total	82.99.91	Partial	829900	m:1
Total	82.99.99	Partial	829900	m:1
Total	84.11.10	Partial	841100	m:1
Total	84.11.20	Partial	841100	m:1
Total	84.12.10	Partial	841200	m:1
Total	84.12.20	Partial	841200	m:1
Total	84.12.30	Partial	841200	m:1
Total	84.12.40	Partial	841200	m:1
Total	84.13.10	Partial	841300	m:1
Total	84.13.20	Partial	841300	m:1

Coverage ATECO	ATECO 2022	Coverage NOGA	NOGA 2008	Link type
Total	84.13.30	Partial	841300	m:1
Total	84.13.40	Partial	841300	m:1
Total	84.13.50	Partial	841300	m:1
Total	84.13.60	Partial	841300	m:1
Total	84.13.70	Partial	841300	m:1
Total	84.13.80	Partial	841300	m:1
Total	84.13.90	Partial	841300	m:1
Total	84.21.00	Total	842100	1:1
Total	84.22.00	Total	842201	1:1
Partial	84.23.00	Total	842301	1:n
Partial	84.23.00	Total	842302	1:n
Total	84.24.00	Total	842400	1:1
Total	84.25.10	Total	842500	1:1
Total	84.25.20	Total	842202	1:1
Total	84.30.00	Total	843000	1:1
Total	85.10.00	Total	851000	1:1
Partial	85.20.00	Total	852001	1:n
Partial	85.20.00	Total	852002	1:n
Partial	85.20.00	Total	852003	1:n
Total	85.31.10	Total	853101	1:1
Partial	85.31.20	Total	853102	1:n
Partial	85.31.20	Total	853103	1:n
Total	85.32.01	Partial	853200	m:1
Total	85.32.02	Partial	853200	m:1
Total	85.32.03	Partial	853200	m:1
Total	85.32.09	Partial	853200	m:1
Total	85.41.00	Total	854100	1:1
Partial	85.42.00	Total	854201	1:n
Partial	85.42.00	Total	854202	1:n
Partial	85.42.00	Total	854203	1:n
Total	85.51.00	Total	855100	1:1
Total	85.52.01	Partial	855200	m:1
Total	85.52.09	Partial	855200	m:1
Total	85.53.00	Total	855300	1:1
Total	85.59.10	Partial	855903	m:1
Total	85.59.20	Partial	855903	m:1
Total	85.59.30	Total	855901	1:1
Partial	85.59.90	Total	855902	1:n
Partial	85.59.90	Total	855904	1:n
Total	85.60.01	Partial	856000	m:1
Total	85.60.09	Partial	856000	m:1
Total	86.10.10	Partial	861001	m:1
Total	86.10.20	Partial	861002	m:1
Total	86.10.30	Partial	861001	m:1

Coverage ATECO	ATECO 2022	Coverage NOGA	NOGA 2008	Link type
Total	86.10.40	Partial	861002	m:1
Total	86.21.00	Total	862100	1:1
Total	86.22.01	Partial	862200	m:1
Total	86.22.02	Partial	862200	m:1
Total	86.22.03	Partial	862200	m:1
Total	86.22.04	Partial	862200	m:1
Total	86.22.05	Partial	862200	m:1
Total	86.22.06	Partial	862200	m:1
Total	86.22.09	Partial	862200	m:1
Total	86.23.00	Total	862300	1:1
Total	86.90.11	Partial	869006	m:1
Total	86.90.12	Partial	869006	m:1
Total	86.90.13	Partial	869006	m:1
Total	86.90.21	Total	869002	1:1
Partial	86.90.29	Total	869003	1:n
Partial	86.90.29	Total	869004	1:n
Partial	86.90.29	Total	869005	1:n
Total	86.90.30	Total	869001	1:1
Total	86.90.41	Partial	869007	m:1
Total	86.90.42	Partial	869007	m:1
Total	87.10.00	Total	871000	1:1
Partial	87.20.00	Total	872001	1:n
Partial	87.20.00	Total	872002	1:n
Partial	87.30.00	Total	873001	1:n
Partial	87.30.00	Total	873002	1:n
Partial	87.90.00	Total	879001	1:n
Partial	87.90.00	Total	879002	1:n
Partial	87.90.00	Total	879003	1:n
Total	88.10.00	Total	881000	1:1
Total	88.91.00	Total	889100	1:1
Partial	88.99.00	Total	889901	1:n
Partial	88.99.00	Total	889902	1:n
Total	90.01.01	Partial	900101	m:n
Partial	90.01.09	Partial	900101	m:n
Partial	90.01.09	Total	900102	m:n
Total	90.02.01	Partial	900200	m:1
Total	90.02.02	Partial	900200	m:1
Total	90.02.09	Partial	900200	m:1
Total	90.03.01	Total	900303	1:1
Partial	90.03.02	Total	900301	m:n
Partial	90.03.02	Partial	900302	m:n
Total	90.03.09	Partial	900302	m:n
Total	90.04.00	Total	900400	1:1
Total	91.01.00	Total	910100	1:1

Coverage ATECO	ATECO 2022	Coverage NOGA	NOGA 2008	Link type
Total	91.02.00	Total	910200	1:1
Total	91.03.00	Total	910300	1:1
Total	91.04.00	Total	910400	1:1
Total	92.00.01	Partial	920000	m:1
Total	92.00.02	Partial	920000	m:1
Total	92.00.09	Partial	920000	m:1
Total	93.11.10	Partial	931100	m:1
Total	93.11.20	Partial	931100	m:1
Total	93.11.30	Partial	931100	m:1
Total	93.11.90	Partial	931100	m:1
Total	93.12.00	Total	931200	1:1
Total	93.13.00	Total	931300	1:1
Total	93.19.10	Partial	931900	m:1
Total	93.19.91	Partial	931900	m:1
Total	93.19.92	Partial	931900	m:1
Total	93.19.99	Partial	931900	m:1
Total	93.21.01	Partial	932100	m:1
Total	93.21.02	Partial	932100	m:1
Total	93.29.10	Partial	932900	m:1
Total	93.29.20	Partial	932900	m:1
Total	93.29.30	Partial	932900	m:1
Total	93.29.90	Partial	932900	m:1
Total	94.11.00	Total	941100	1:1
Total	94.12.10	Partial	941200	m:1
Total	94.12.20	Partial	941200	m:1
Total	94.20.00	Total	942000	1:1
Partial	94.91.00	Total	949101	1:n
Partial	94.91.00	Total	949102	1:n
Total	94.92.00	Total	949200	1:1
Total	94.99.10	Partial	949901	m:1
Total	94.99.20	Partial	949901	m:1
Total	94.99.30	Partial	949904	m:n
Total	94.99.40	Partial	949904	m:n
Total	94.99.50	Partial	949901	m:1
Total	94.99.60	Partial	949904	m:n
Partial	94.99.90	Total	949902	m:n
Partial	94.99.90	Total	949903	m:n
Partial	94.99.90	Partial	949904	m:n
Total	95.11.00	Total	951100	1:1
Total	95.12.01	Partial	951200	m:1
Total	95.12.09	Partial	951200	m:1
Total	95.21.00	Total	952100	1:1
Total	95.22.01	Partial	952200	m:1
Total	95.22.02	Partial	952200	m:1

Coverage ATECO	ATECO 2022	Coverage NOGA	NOGA 2008	Link type
Total	95.23.00	Total	952300	1:1
Total	95.24.01	Partial	952400	m:1
Total	95.24.02	Partial	952400	m:1
Total	95.25.00	Total	952500	1:1
Total	95.29.01	Partial	952900	m:1
Total	95.29.02	Partial	952900	m:1
Total	95.29.03	Partial	952900	m:1
Total	95.29.04	Partial	952900	m:1
Total	95.29.09	Partial	952900	m:1
Partial	96.01.10	Partial	960101	m:n
Partial	96.01.10	Partial	960102	m:n
Partial	96.01.20	Partial	960101	m:n
Partial	96.01.20	Partial	960102	m:n
Partial	96.01.30	Partial	960101	m:n
Partial	96.01.30	Partial	960102	m:n
Total	96.02.01	Partial	960201	m:n
Total	96.02.02	Partial	960202	m:n
Total	96.02.03	Partial	960202	m:n
Total	96.03.00	Total	960300	1:1
Partial	96.04.10	Total	960401	m:n
Partial	96.04.10	Partial	960402	m:n
Total	96.04.20	Partial	960402	m:n
Total	96.09.01	Partial	960900	m:1
Total	96.09.02	Partial	960900	m:1
Total	96.09.03	Partial	960900	m:1
Total	96.09.04	Partial	960900	m:1
Total	96.09.05	Partial	960900	m:1
Total	96.09.09	Partial	960900	m:1
Total	97.00.01	Partial	970000	m:1
Total	97.00.02	Partial	970000	m:1
Total	98.10.00	Total	981000	1:1
Total	98.20.00	Total	982000	1:1
Partial	99.00.00	Total	990001	1:n
Partial	99.00.00	Total	990002	1:n
Partial	99.00.00	Total	990003	1:n

Source: Author's processing

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