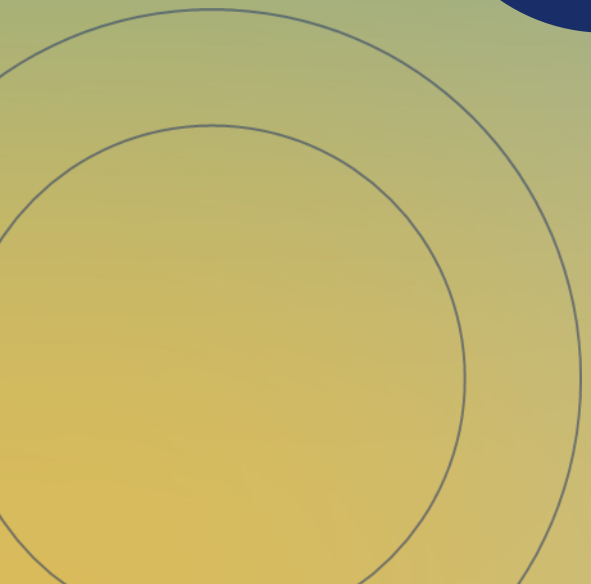
EUROPEAN CONFERENCE ON QUALITY IN OFFICIAL STATISTICS

2024 ESTORIL - PORTUGAL



Instituto Nacional de Estatística
Statistics Portugal

eurostat

The conference is partly
financed by the European Union

EUROPEAN CONFERENCE ON QUALITY IN OFFICIAL STATISTICS
2024 ESTORIL - PORTUGAL

Introducing a NACE classification index to enhance transparency, user-friendliness, and foster uniformity in its application across the European Statistical System

Matthias Flohr; Eurostat

Inês Quintanilha, Denis Dechandon; Publications Office of the European Union

INSTITUTO NACIONAL DE ESTATÍSTICA
STATISTICS PORTUGAL

eurostat

The conference is partly financed by the European Union

The conference is partly financed by the European Union

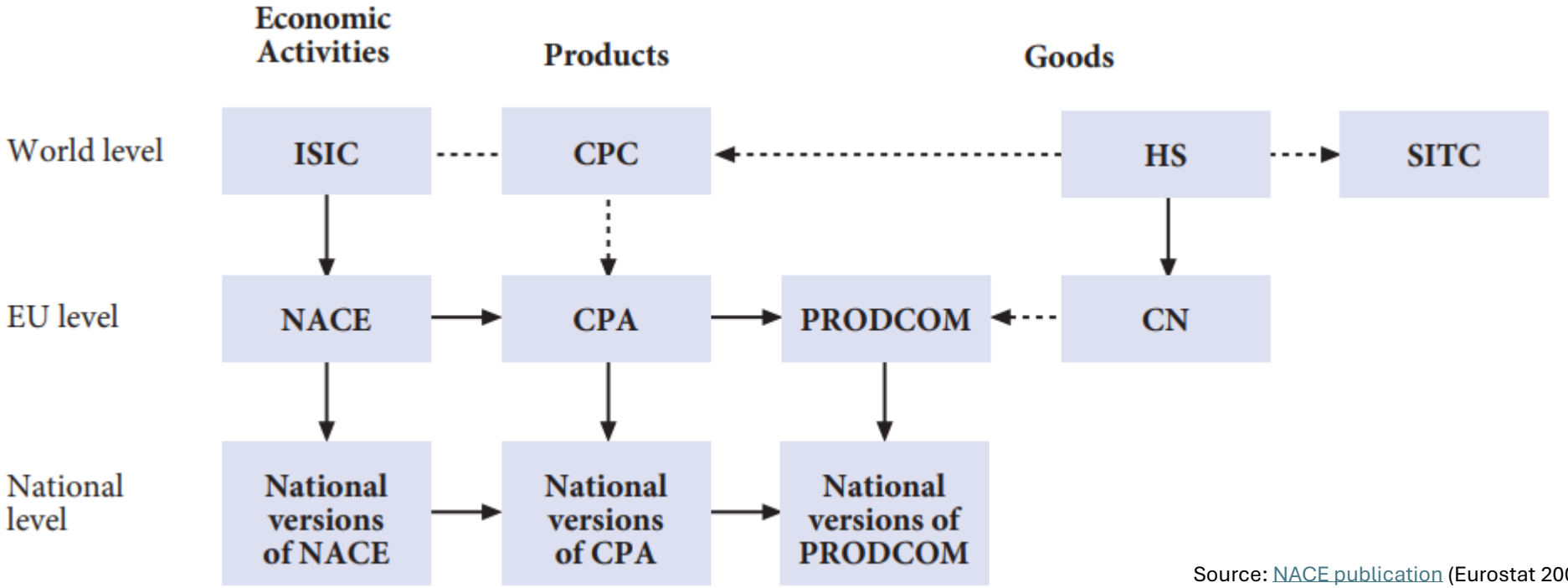
The NACE classification index

- NACE is the 'Statistical Classifications of **economic activities**', it is a hierarchical classifications with four levels, the most detailed level has 651 positions
- NACE is one of the most used classifications in the European Statistical System in over 40 statistical products; e.g. European business statistics, national and satellite accounts
- The NACE index breaks down the content of each NACE class into granular entries (currently over 8500 draft entries):
  - Improved transparency, standardisation of coding practices
  - More machine-processable content which can boost the performance of the search function of the online platform for visualising classifications and the performance of automatic coding approaches
  - Facilitates the revision work (formulation of explanatory notes and creation of correspondence tables)
- Scalable to other classifications of the integrated system of classifications

The conference is partly financed by the European Union

Development of a dynamic online platform

- User-friendly interface will enable users to input specific search terms to find correct categories in the relevant classifications
- Shows correspondences and linkages between the classifications in the integrated system of statistical activity and product classifications:



Source: NACE publication (Eurostat 2008)

The conference is partly financed by the European Union

Eurostat and the Publications Office

Publication of reference data assets

Usage of open source vocabular management tools

Collaborative platforms

Internal sharing

_ Publications Office teams and projects

Additional sharing

_ EU Institutions and bodies
_ EU Member States
_ International organisations
_ Private sector
_ Academia

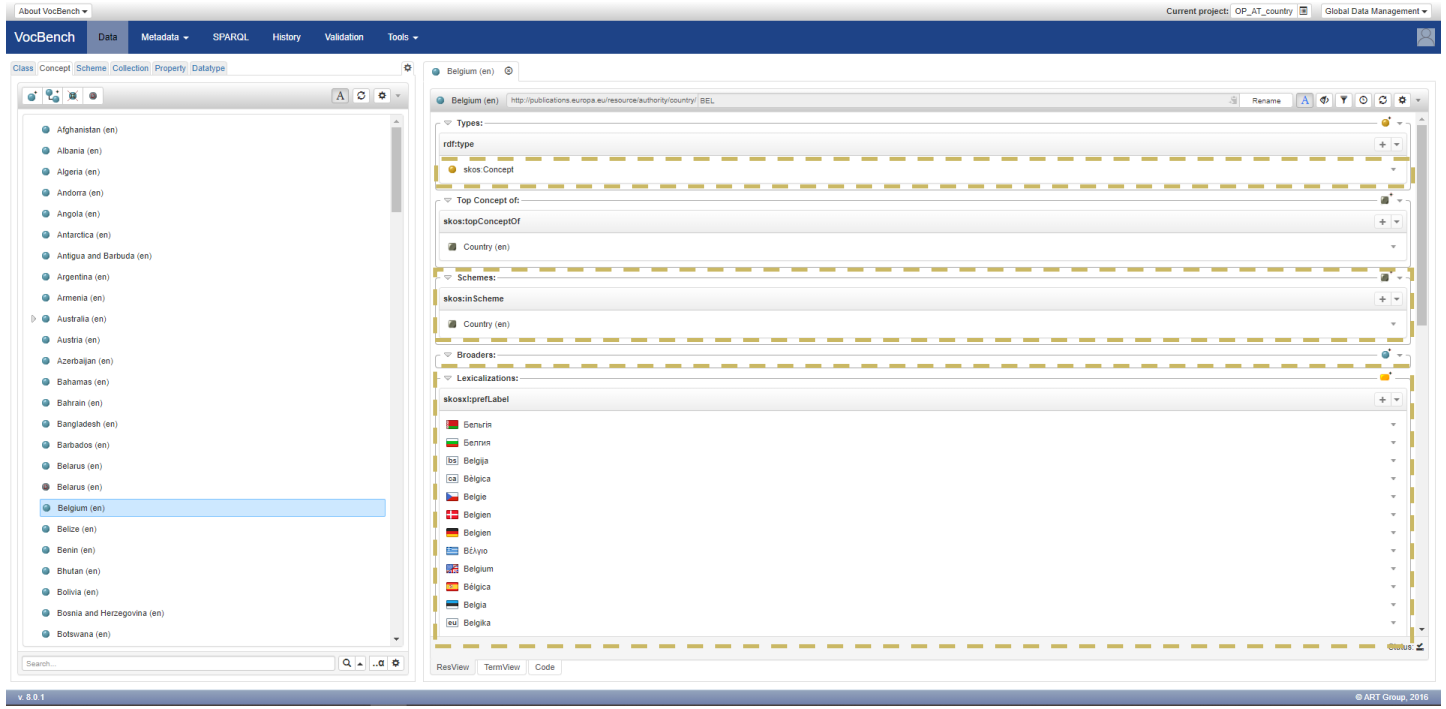
Digital Europe Programme (DIGITAL) European Commission

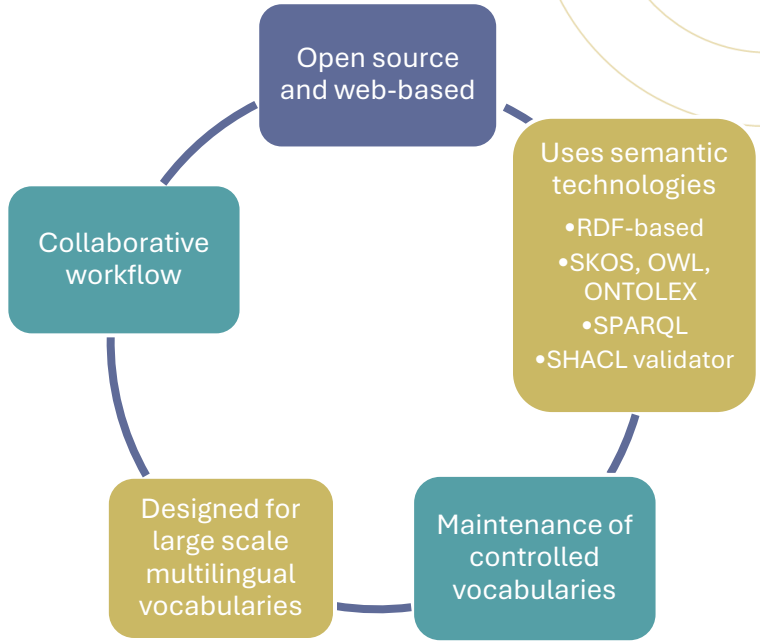
University of Rome Tor Vergata

Publications Office of the EU

The conference is partly financed by the European Union

VocBench

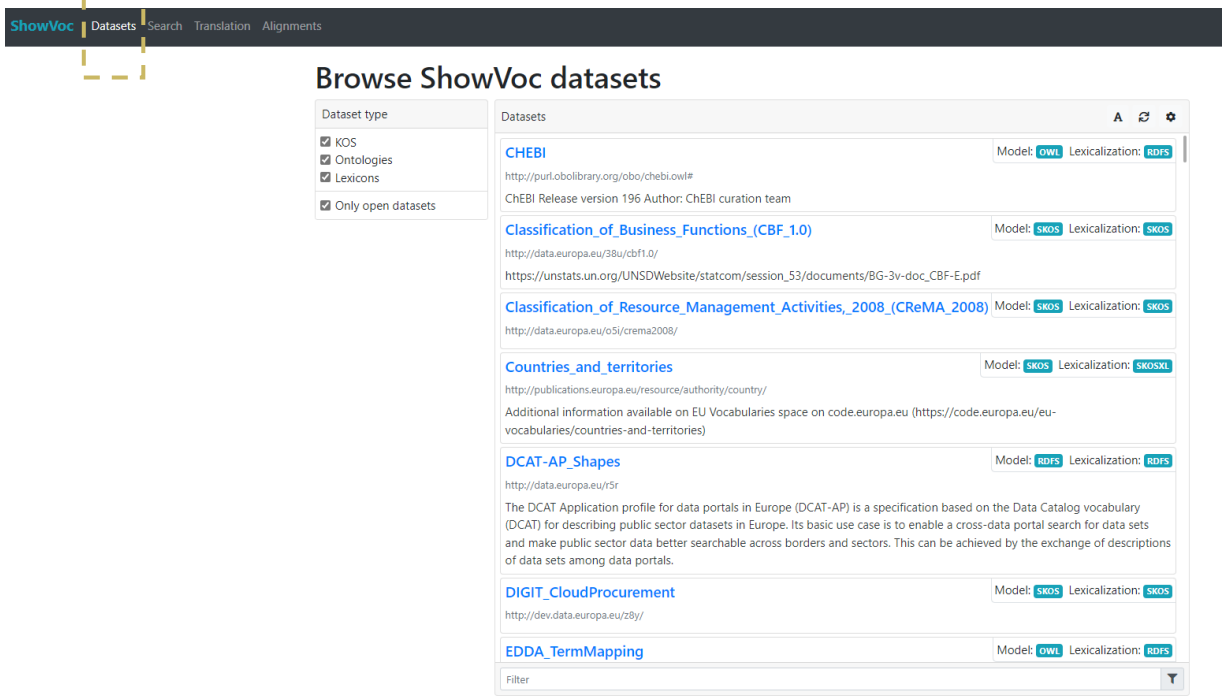


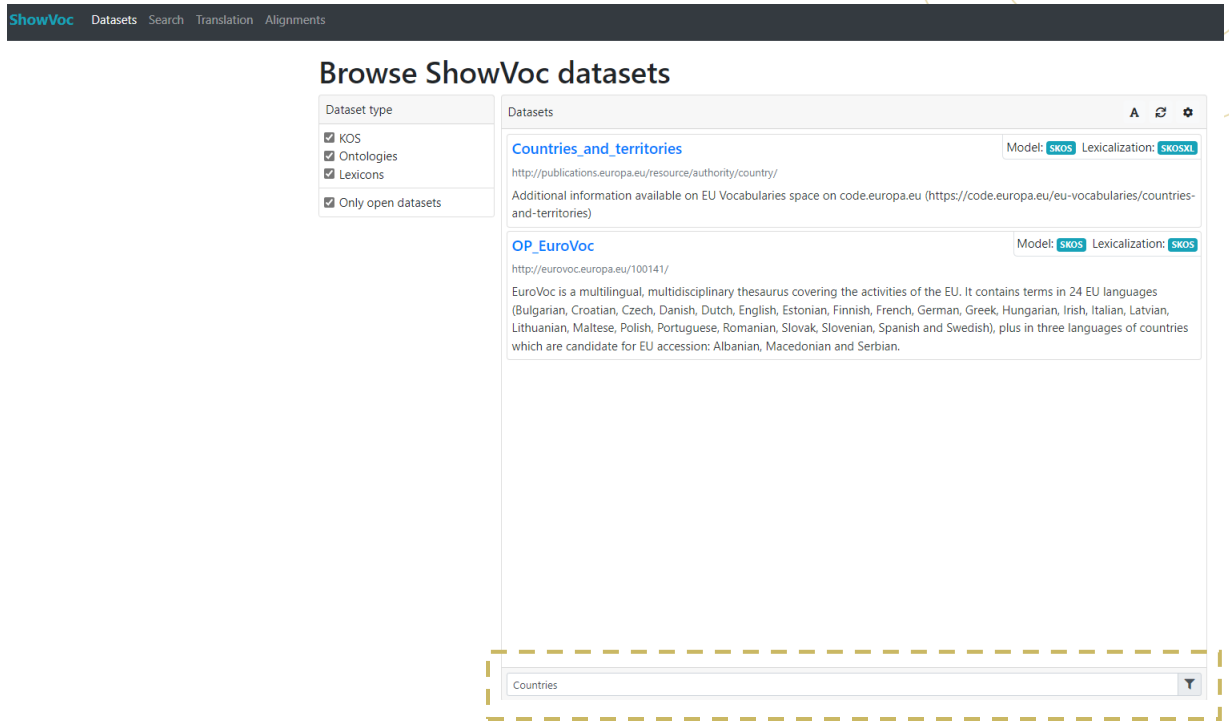


https://vocbench.op.europa.eu

INSTITUTO NACIONAL DE ESTATÍSTICA
STATISTICS PORTUGAL
eurostat
The conference is partly financed by the European Union

ShowVoc

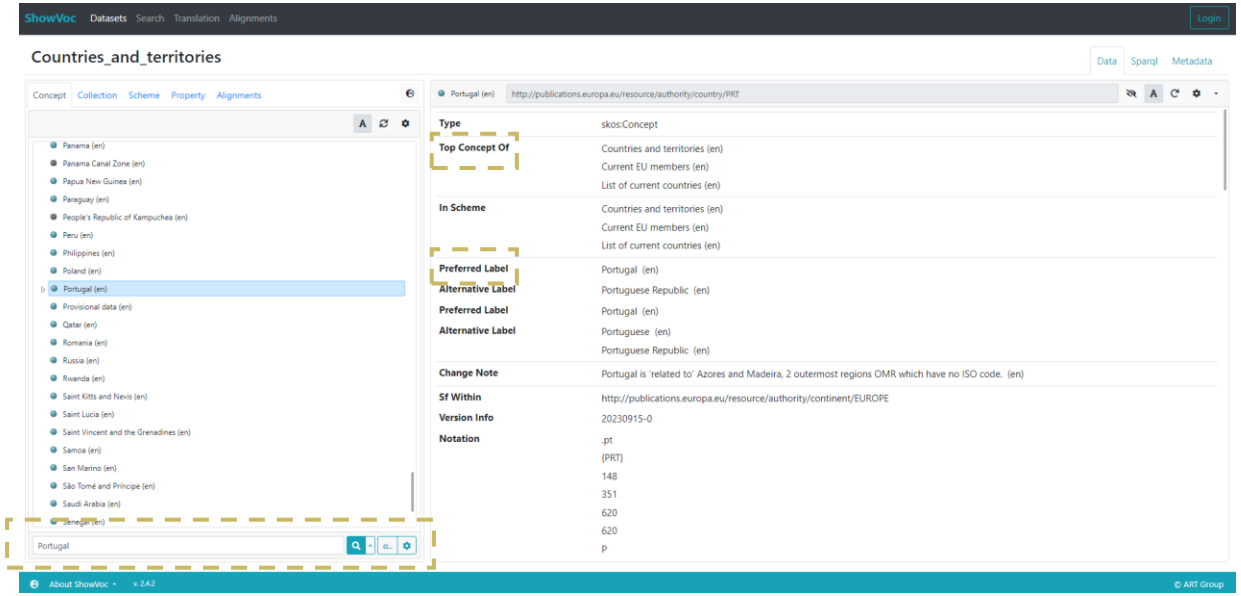


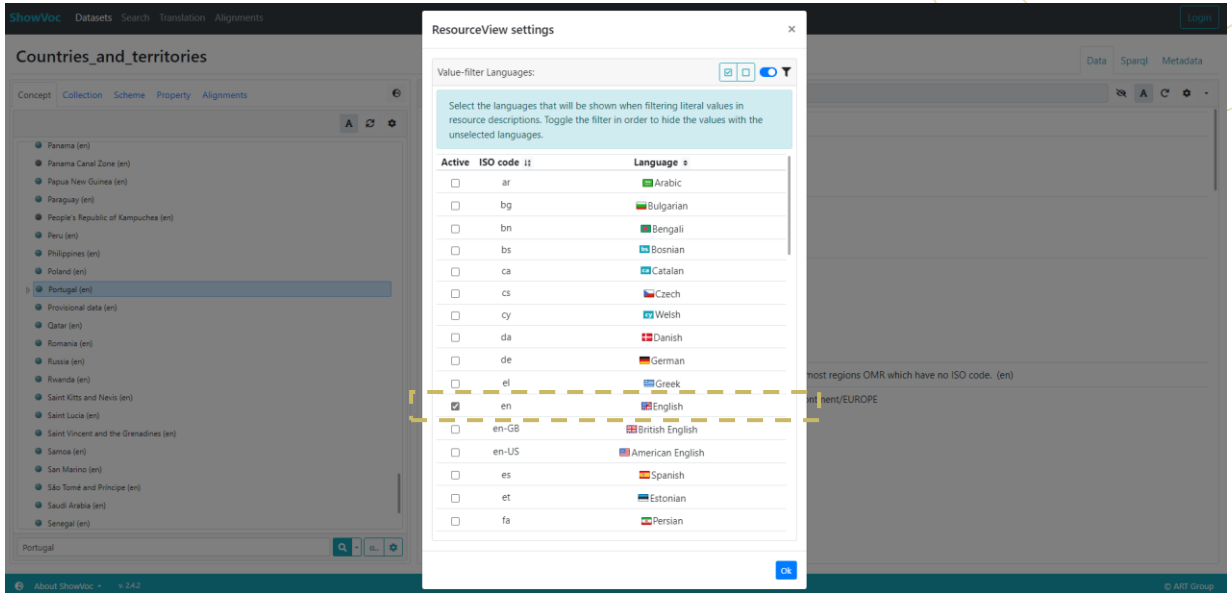


https://showvoc.op.europa.eu

INSTITUTO NACIONAL DE ESTATÍSTICA
STATISTICS PORTUGAL
eurostat
The conference is partly financed by the European Union

ShowVoc



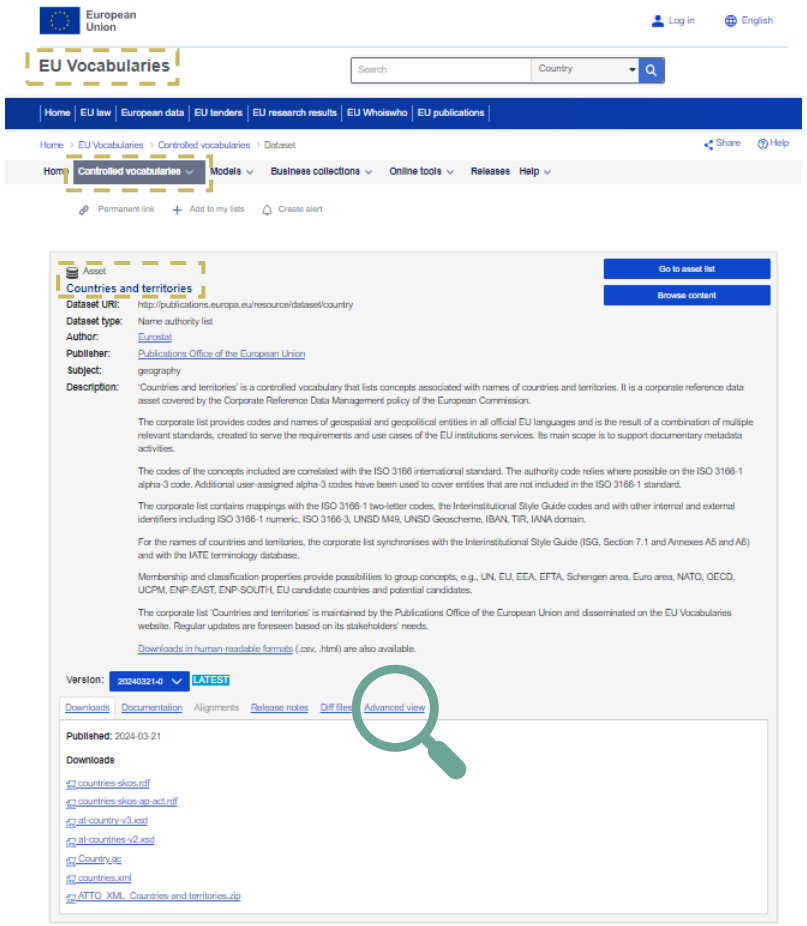


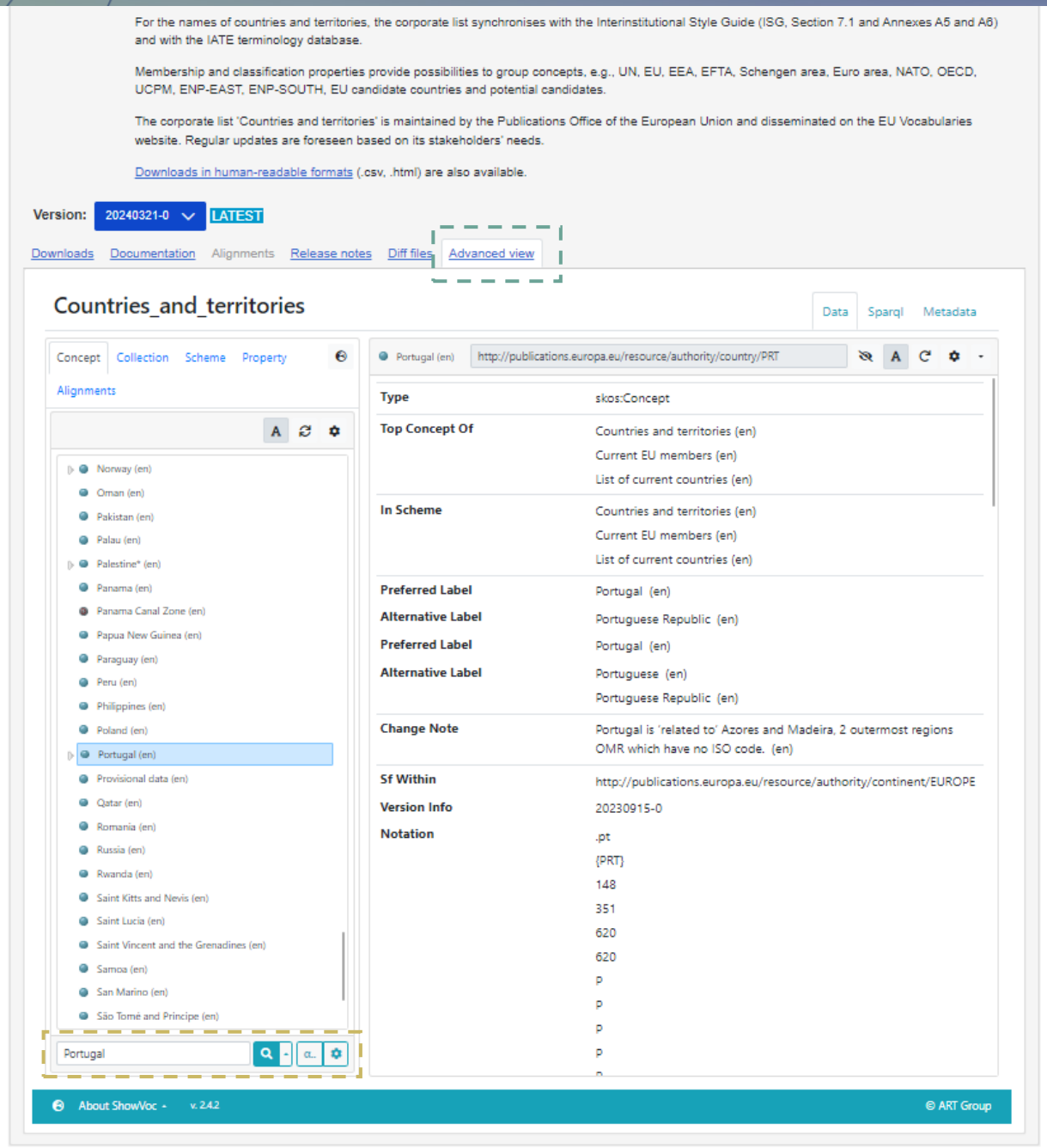
https://showvoc.op.europa.eu

ShowVoc is a web-based, multilingual, platform for publishing and consulting OWL ontologies, SKOS(/XL) thesauri, Ontolex-lemon lexicons and generic RDF datasets.

ShowVoc

Publications Office website / EU Vocabularies
https://op.europa.eu/en/web/eu-vocabularies

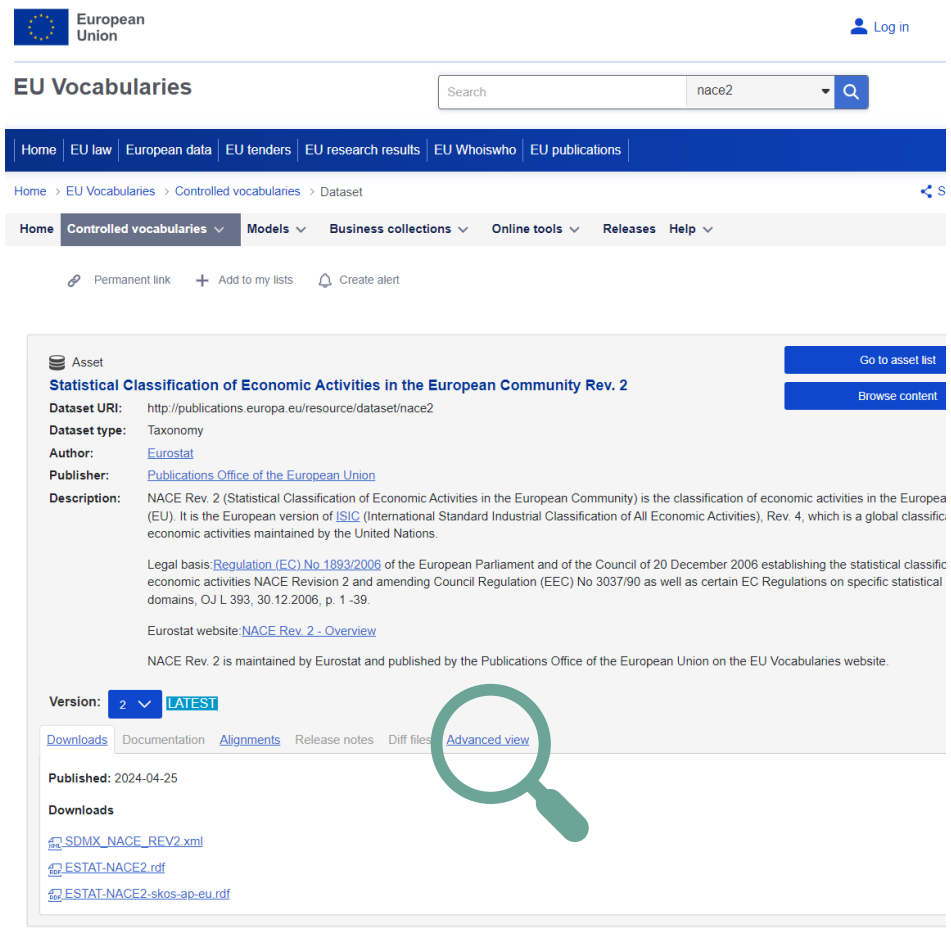


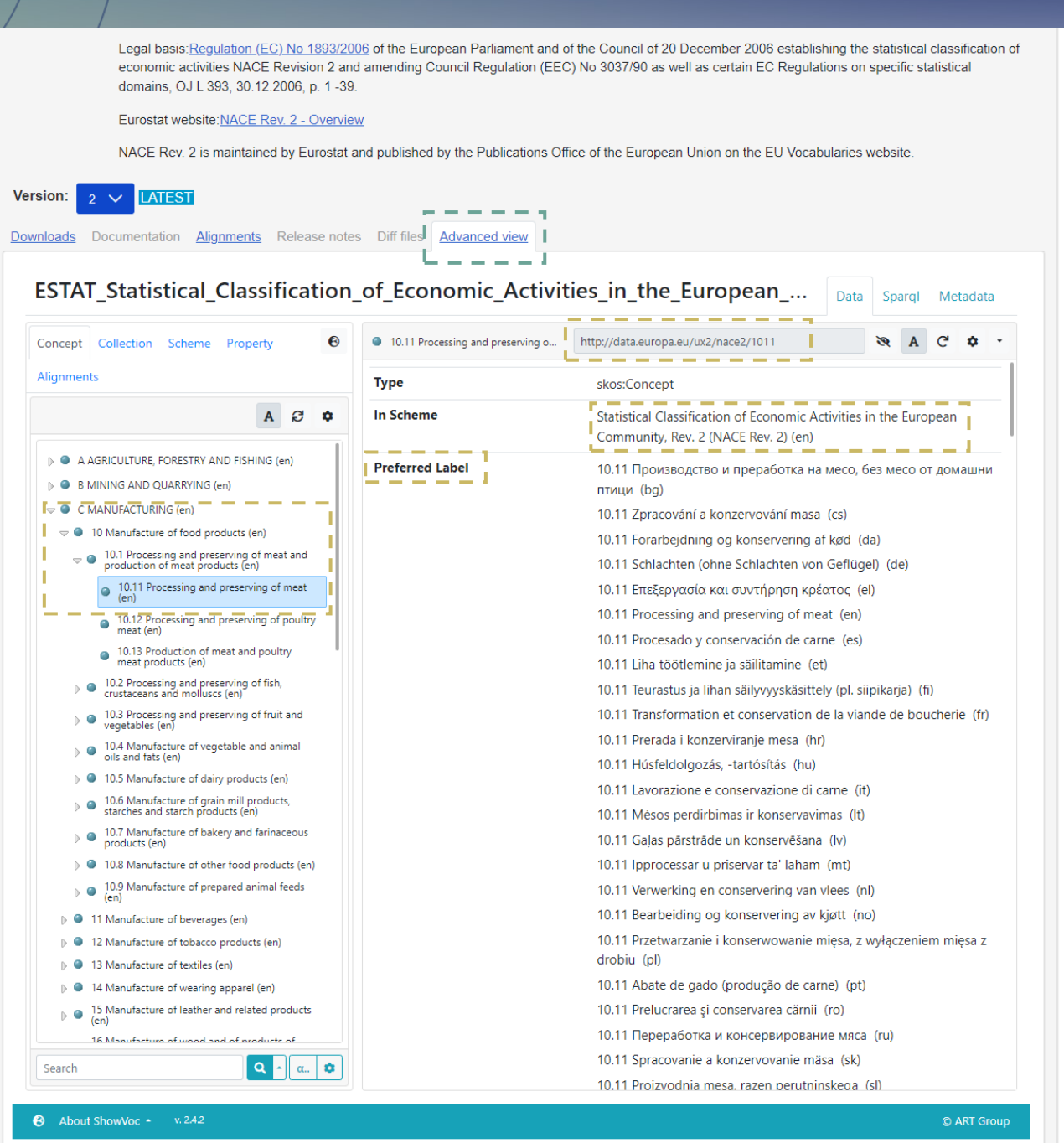


EUROPEAN CONFERENCE ON QUALITY IN OFFICIAL STATISTICS
2024 ESTORIL - PORTUGAL

ShowVoc

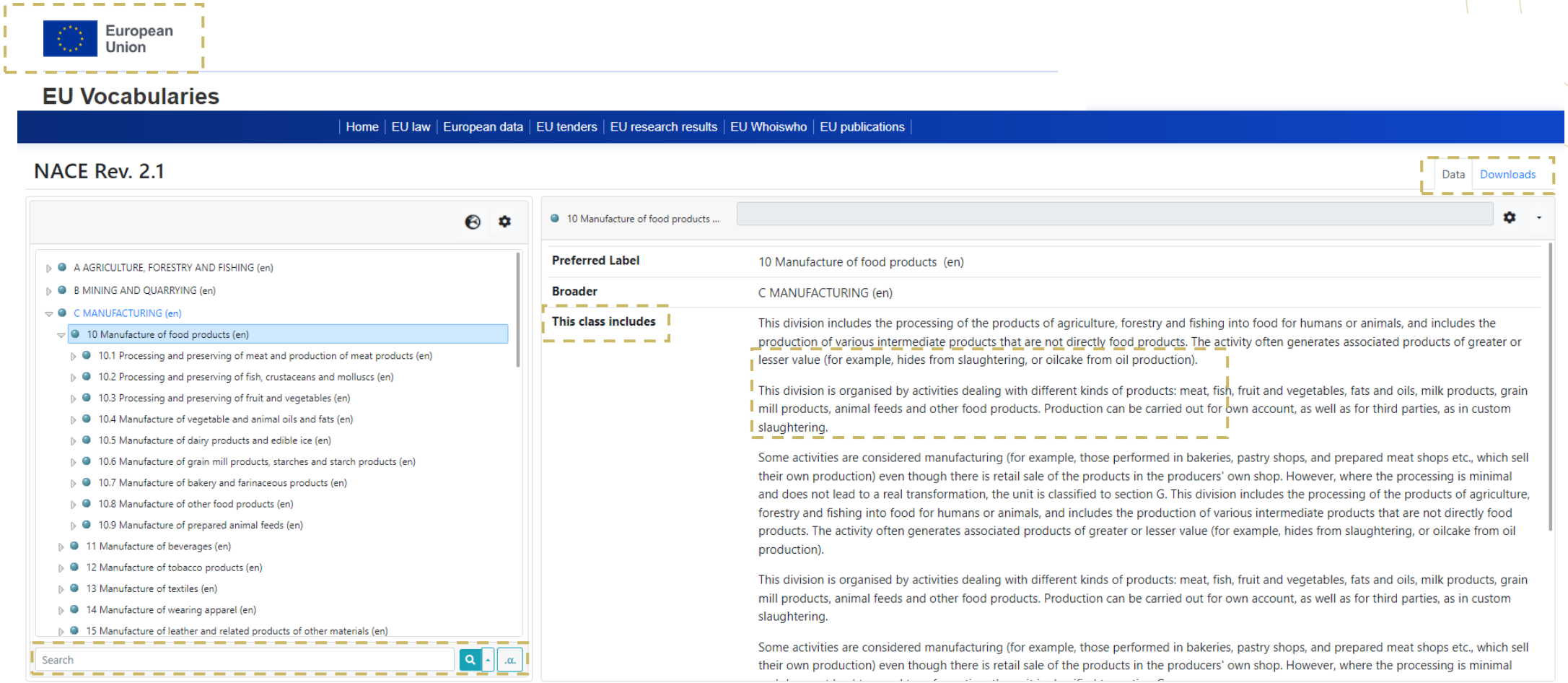
Publications Office website / EU Vocabularies
https://op.europa.eu/en/web/eu-vocabularies





INSTITUTO NACIONAL DE ESTATÍSTICA
STATISTICS PORTUGAL
eurostat
The conference is partly financed by the European Union

ShowVoc customisation for NACE



The conference is partly financed by the European Union

Expected benefits

- The NACE index serves as an *additional information layer* for NACE in a keyword-type, more machine-processable format
- *user-friendly interface* tailored terminologically for statisticians and non-technical users, straightforward text definitions, easy to use search and download capabilities, targeted inclusion or exclusion of descriptions, a simplified two-tab menu for data and downloads, a customisable landing page
- conversion of NACE classification into *linked data, facilitating the ongoing exchange and integration of data between various platforms and applications*
- encourages collaboration among stakeholders, fostering continuous innovation and the refinement of classification systems

EUROPEAN CONFERENCE ON QUALITY IN OFFICIAL STATISTICS

2024 ESTORIL - PORTUGAL

INSTITUTO NACIONAL DE ESTATÍSTICA
STATISTICS PORTUGAL

eurostat

The conference is partly financed by the European Union