GO-PEG WORKFLOWS AND DATA REQUIREMENTS FOR DATA HARMONISATION

"A step towards High Value Datasets"

Welcome and hints for participants

- Please mute your mic when you are not talking

- Turn off your video, share your video only when you are talking

- The workshop will be recorded

- Ask any question on the chat or through Slido

- **Use the poll on Sli.do**
  - https://app.sli.do/event/hsp4lr8q
  - Join at
  - slido.com
  - #GO-PEG
  - Scan the QR code

Objectives of the workshop

- To present and discuss the approach GO-PEG is taking for reaching cross-border geospatial data harmonization.
- To show the way use cases are defined, linked to work processes in the field of environmental monitoring, disaster management, COVID-19 …
- To get your feedback on our approach and input based on your experiences, and to build a network of stakeholders
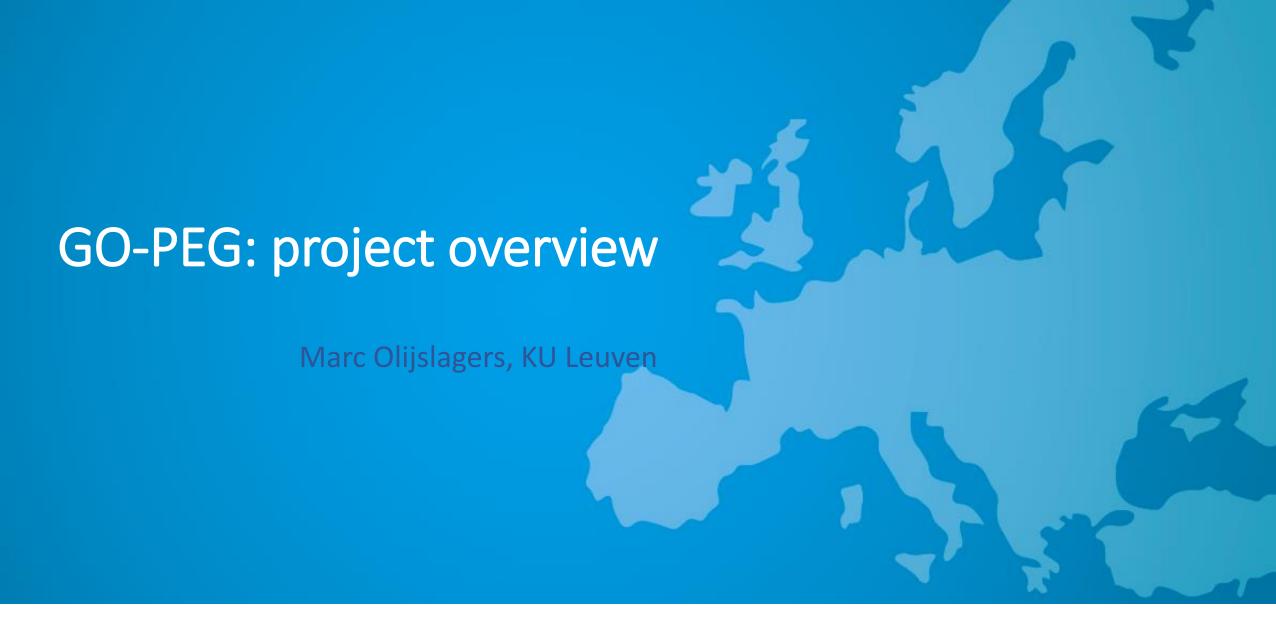
Agenda

- PART 1 GO-PEG
  - 1.1 INTRODUCTION TO GO-PEG
  - 1.2 THE EVOLUTION OF ENVIRONMENTAL DATA SHARING IN EUROPE: AN INSPIRE PERSPECTIVE
  - 1.3 THE DATA WORKFLOW FOR GO-PEG USE CASES
- PART 2 OVERVIEW OF USE CASES SELECTED
- PART 3 USE CASES IN DETAIL
  - 3.1 COAST
  - 3.2 GEOCOVID WATCH
- OPEN QUESTIONS

THANK YOU
Contact us www.go-peg.eu/#contact

GO-PEG | Generation Of crossborder PanEuropean Geospatial Datasets and Services

GO-PEG: project overview

Marc Olijslagers, KU Leuven

GO-PEG | Generation Of crossborder
PanEuropean Geospatial
Datasets and Services

CEF Telecom

- Connecting European Facility – INEA
  - CEF-TC-2018-5: Public Open Data
  - Call promoted by DG CONNECT

The Connecting Europe Facility (CEF) in Telecom
is a key EU instrument to
**facilitate cross-border interaction between
public administrations, businesses and citizens**,
by deploying digital service infrastructures (DSIs) and broadband networks

Objectives

- In the CEF Call: Objective 2: Generation of cross-border services providing access to harmonized thematic open dataset(s) and the corresponding metadata

- The activity's overall objective is to design and develop the processes for data harmonisation and integration and the architecture of web services to allow users to discover, view and download the data.

- Results available on European Data Portal (and INSPIRE portal)

GO-PEG Partners

Create cross-border datasets: partners in 5 countries

- KU Leuven,Spatial Applications Division, SADL (coordinator)

With leading SMEs in the geospatial sector:

- Bilbomatica
- Epsit
- Wetransform
- Geokom
- Geograma

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PanEuropean Geospatial
Datasets and Services

Project overview

Management [KU LEUVEN]

Activity 1

Action preparation phase [GEOGRAMA]

T 1.1 Stakeholder groups
→ Group of 15 (provider/user/exp)
→ 10 use cases
: Data working group report

T 1.2 Data and Information sources
→ Identify data providers
→ Select/Collect data
: Data Assessment report

T 1.3 Data and Information others
→ Screening other countries to assess if Actions solution is sustainable
: Assessment report for other countries

Activity 2

Design and Development of the data harmonisation and integration processes [EPSILON]

T 2.1 Modelling the work processes
→ Workflow definitions for each use-case
T 2.2 Defining the data harmonisation and processing steps
→ Define and identify data dictionaries and models to be used
T 2.3 Assessing and harmonizing/extending the data models
→ Identify the need for adaption, extend and modify data models
T 2.4 Design and develop new tools or modify existing tools
→ Github repository including tools and reports

Activity 3

Testing and Validating [WETRANSFORM]

T 3.1 Iterative data processing
→ Data transformation, iterative increase of complexity
T 3.2 Enhance ETL tools
→ Performance monitoring
→ Enhance tools regarding efficiency
T 3.3 Validation of the results and stakeholders feedback
→ Report on stakeholder feedback and validation results

Dissemination, impact and sustainability [BILBOMATICA]

Quality Assurance and evaluation [GEOKOM]

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Collaboration (examples)

- ## Sister projects
  - ### E.g. GeoE3: Geospatially Enabled Ecosystem for Europe
    CEF – programme; 12 partners; Start October 2020
    Better access and interoperability of Geospatial data /other data
    Dynamic harmonisation of geospatial data based on use cases and new APIs
    Build an ecosystem based on national platforms

- ## Other harmonisation efforts
  - ### E.g. INSPIRE_ITGI Crossborder
    IGNB, IGNF, KadasterNL, ACT LUX, Vermkv RLP, bezreg-koeln NRW
    Crossborder harmonisation for transport and water networks
    Using procedures developed by EuroGeographics (ESDIN and ELF projects)
    Output > continuous crossborder datasets

THANK YOU