

The current panorama of European Network of Earth Observation Networks and the need for an European Network of Networks - ENEON

Joan Masó, Ivette Serral (ivette@creaf.uab.cat), Ian McCallum (IIASA), Hans-Peter Plag (TIWAH)   

ENEON is the European Network of Earth Observation Networks, funded by the European Union under the H2020 ConnectinGEO project mainly including non-space networks to better coordinate them, with the aim of providing better observations for resolving interdisciplinary problems, to improve the European in-situ participation in GEO and in support of the implementation and monitoring of the UN Sustainable Development Goals.

ENEON intends to increase the connection between the existing EO networks and the Science & Technology (S&T) communities involved in defining the United Nations Sustainable Development Goals (SDG), as well as the S&T communities engaged in the assessments, forecasting, and projecting of future developments. ENEON is the instrument that will bring together European networks involved in research and innovation relevant to GEOSS, with a particular focus on the **in-situ** segment. ENEON also addresses emerging European networks and sensor development projects to provide future provisions which may not yet be part of **GEOSS** or **Copernicus** Services.

Open to contributors and users from: European thematic in-situ networks and Communities or Practice, Copernicus in-situ segment, representatives of the SME's the private sector, European and national funding agencies and other European stakeholders of non-space Earth observations..

Become a member!

www.eneon.net

ENEON Plenary Workshop:
 Building a collaborative ENEON to inform policies and actions to address complex societal challenges
 11 - 12 October 2016 (IIASA)

This poster presents the complex panorama of Earth Observations Networks in Europe. The list of networks is classified by **discipline, variables, geospatial scope, etc.**

We also capture the **membership** and **relations** with other networks and umbrella organizations like GEO.

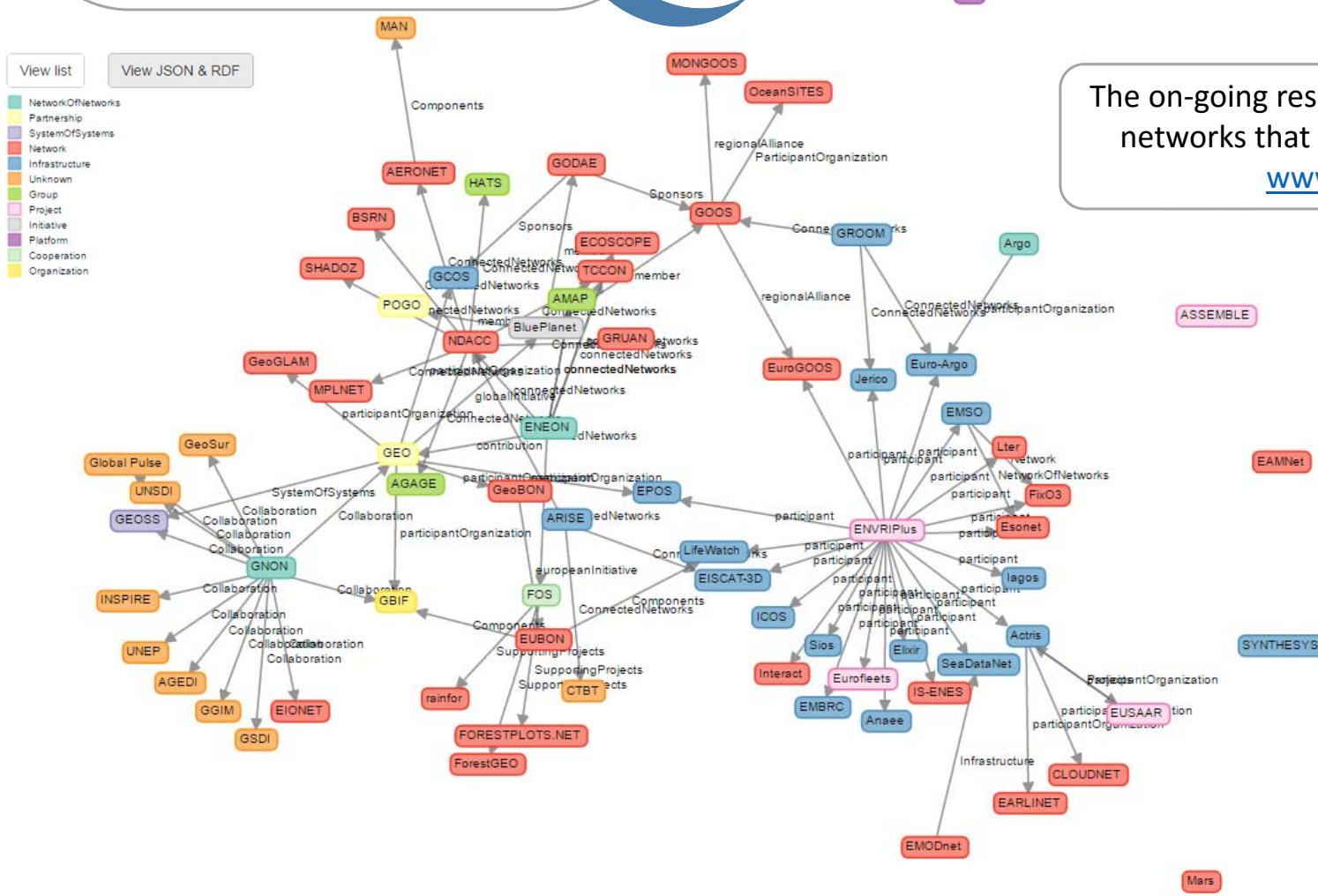
The on-going result is a graph of multiple relations between networks that can not be clearly expressed as a flat list.

www.eneon.net/graph/index.htm

- Several in-situ EO networks in Europe working in different domains and from different sources
- Several schemas and programs: ERIC, ENFRI, etc
- Lack of coordination among them
- Risk of overlapping or missing important pieces

ENEON

This networks' graph is a living diagram that has not been previously produced. Technically the networks are represented as nodes and the connections between them as lines relating the nodes. This open diagram (integrable in the semantic web) is also available in linked data technologies and encoded as a JSON-LD file and as a RDF triples.



European Network of Earth Observation Networks ENEON

ENEON is a common network of Earth observation networks to provide integrated and harmonized perspective of in-situ observations helping to reduce redundancies and detect gaps in the European EO arena

Properties

- type: NetworkOfNetworks
- theme: All
- extent: European
- contact: ivette@creaf.uab.cat
- relatedGEOTasks: [GD-06 | GD-09]
- supportingProject: [id: H2020-641538 | name: ConnectinGEO | extent: Europe | partners: [CREAM | CNR | TIWAH | 52N | IIASA | CMCC | CSIC | S&T Corp. | BIRA-IASB | ARMINES | NILU | UNEXE | IEEE | IMT | EARS3]]

Links to

- connectedNetworks: Network for the Detection of Atmospheric Composition Change (NDACC)