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**Coordinating an Observation Network of Networks EnCompassing saTellite and IN-situ
to fill the Gaps in European Observations**

**Deliverable D7.3
*ConnectinGEO dissemination and exploitation plan***

Version 1

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1. Introduction

This deliverable reviews and explains all the work that has been done during ConnectinGEO to achieve the dissemination and communication plan elaborated at the beginning of the project and stated at *D7.1 Plan for disseminating and communication of the project's results*.

2. Dissemination Plan

The Dissemination and communication Plan in ConnectinGEO is done both as outreach and in a collaborative feedback environment and will be based on a stakeholder analysis in order to reach anyone who has potential interest in the project or will be affected by its outcomes.

2.1.1. Stakeholder analysis

In the stakeholder analysis, stakeholders will be identified, listed, and assessed in terms of their potential interest in the project and importance for its success and further dissemination of the project and its results.

Main identified stakeholder communities are:

2.1.1.1. With respect to the dissemination of the activities and findings of the project into the GEOSS CoPs and the GEO Implementation Boards

- Request the linking of the ConnectinGEO Observations Inventory in the GCI.
 - The ConnectinGEO Observations Inventory is populated using the current information in the metadata collected and harmonized by the GEO DAB and the GEOSS Common Infrastructure: <http://oi.geodab.eu/oi-client-beta/home/index-dev.html>
- Actively participate in GEO Implementation elements, GEO Work Programme Symposiums and the GEO plenary and ministerial weeks.
 - ConnectinGEO has actively participated in all GEO plenaries and ministerial weeks during the duration of the project, i.e., GEO-XIII Plenary (Nov 9-10 2016, St. Petersburg, Russian Federation), GEO Work Programme Symposium (May 2-4 2016, Geneva, Switzerland), GEO-XII Plenary (Nov 11-12 2015, Mexico City, Mexico).
- Participate in the Data Sharing Working Group, specifically in the Data Management Principles activities, and the Standards Interoperability Forum, that will start after the GEO XI Plenary.

- ConnectinGEO has strongly participated in the Data Management Principles Task Force (DMP TF) helping to visually express Data Management Principles in terms of a Geo label.
- Partners of ConnectinGEO are active members of the GD-01: Advancing GEOSS Data Sharing Principles and the GD-07: GCI Development, promoting the concept of the GEOSS Data CORE in the observation and measurement community, and is asking these communities to review and comment on the Data Management Principles Implementation Guidelines.
- The project participated in the definition of the Principle 5 of the Data Management Principles Implementation Guidelines (DMP-5: DATA TRACEABILITY) about the inclusion of provenance metadata indicating the origin and processing history in raw observations and derived products to ensure full traceability of the product chain.
https://www.earthobservations.org/documents/geo_xii/GEO-XII_10_Data%20Management%20Principles%20Implementation%20Guidelines.pdf
- Participate in the GEOSS Architecture Implementation Pilot (AIP) for the ENEON integration and industrial challenges.
 - ConnectinGEO contributed to the Energy Societal Benefit Area in the GEOSS Architecture Implementation Pilot – Phase 8 (AIP-8) on the 27th February 2015. Link to the Response: http://www.ogcnetwork.net/system/files/2015_CFP_AIP-8_Response_ConnectinGEO_Energy.pdf
 - Participation in the Hydrology Domain Working Group workshop (June 2016, Koblenz, Germany).
- Participate in the GEOSS Science and Technology Stakeholder Network (GSTSN) and the workshops organized by this network.
 - ConnectinGEO has organised 3 GEOSS Science and Technology Stakeholder Network workshops:
 - 3rd GEOSS Science and Technology Stakeholder Workshop. March 23-25, 2015, Norfolk, VA, USA. http://www.gstss.org/2015_Norfolk_3rd
 - 4th GEOSS Science and Technology Stakeholder Workshop. March 24-26, 2015, Norfolk, VA, USA. http://www.gstss.org/2015_Norfolk_4th/
 - 5th GEOSS Science and Technology Stakeholder Workshop. December 9-10, 2016, Berkeley, California, USA. http://www.gstss.org/2016_Berkeley/

2.1.1.2. With respect to the Earth Observation Networks

- Participate in conferences and symposiums and in regular meetings of European EO networks.
 - ConnectinGEO has participated in many meetings on the topic such as:

- Organise dedicated dissemination events such as workshops about integration of EO networks (see more information in the periodic reports from the project)
 - Participation in the 17th Session of the GCOS/GTOS/WCRP Terrestrial Observation Panel for Climate (TOPC) (16-18 March 2015, Zurich, Switzerland)
 - Participation in the EGU 2015 (12 – 17 April 2015, Vienna, Austria).
 - Participation in the INSPIRE Geospatial World Forum 2015 (25-29 May 2015, Lisbon, Portugal).
 - Participation in the 9th GEO European Projects Workshop - GEPW-9 (15-16 June 2015, Copenhagen, Denmark).
 - Participation in the panel meeting of the GTNH network to assess observation networks in the hydrology domain (16 June 2015, Koblenz, Germany).
 - Participation in the AGILE 2015 Conference (3-7 August 2015, Washington DC, USA).
 - Participation in the RDA Sixth Plenary Meeting 2015 (23-25 September 2015, Paris, France).
 - Participation in the ESA EO Open Science 2015 (12-14 October 2015, Rome, Italy).
 - Participation in the ECSA General Assembly 2015 (28-29 October 2015, Barcelona, Spain)
 - Participation in EGU 2016 (17–22 April 2016, Vienna, Austria).
 - Participation in the ECSA conference (19-21 May 2016, Berlin, Germany)
 - Participation in the 10th GEO European Projects Workshop - GEPW-10 (31 May - 2 June 2016, Berlin).
 - Participation in the FOSS4G 2016 Conference (August 2016, Bonn, Germany).
 - Participation in the 16th EMS Annual Meeting (12-16 September 2016, Trieste, Italy).
- Participate in Networking of EO projects such as ENVRI plus. (See *Deliverable D1.2 Cooperation with other relevant project and initiatives report* for more information).
 - ConnectinGEO attended the ENVRIPLUS KO (11-13 May 2015. Finnish Meteorological Institute. Dynamicum, Erik Palménin aukio, Helsinki, Finland),
 - ENVRIPLUS participated with a presentation to the ENEON meeting (October 10-14, 2016, Laxenburg, Austria): Ari Asmi (U. Helsinki): Envriplus, research infrastructures and networks
 - ConnectinGEO attended to the 3rd ENVRI week (Prague, Czech Republic, November 14-18, 2016) with a presentation about ENEON.
- Establish cooperation and agreements with relevant projects to foster knowledge of European EO networks capabilities and limitations.
 - Cooperation with several projects has been established. See *Deliverable D1.2 Cooperation with other relevant project and initiatives report* for more information.
- Contribute to the ERA-PLANET ensuring that the activities done contribute to mitigate gaps in EO. Participate in the ERA-PLANET subprojects.

- Several partners in ConnectinGEO are as well partners in ERA-PLANET. Contribution is ensured. See *Deliverable D1.2 Cooperation with other relevant project and initiatives report* for more information.

2.1.1.3. With respect to the scientific community

- Organise dedicated dissemination events such as workshops and symposia (including the European Geosciences Union, EGU General Assembly, the ESA Living Planet Symposium, the annual GEO European Projects Workshop, etc). Of particular relevance are the GEOSS S&T Stakeholder workshops organized by the GSTSN.
 - Organization of the Workshops: 3rd GEOSS S&T Stakeholder Workshop: Navigating Sustainability on a Changing Planet (“Workshop on Sustainable Development Goals”), and the 4th GEOSS S&T Stakeholder Workshop: Concepts, Technologies, Systems and Users of the Next GEOSS (23-25 March 2015, Norfolk, VA, USA).
 - Organization of the EGU 2015 splinter session (13 April 2015). SPM1.29 - Launching the European Network of Earth Observation Networks (ENEON) (public). (Mon, 13 Apr 2015, 17:30–19:00, Vienna, Austria).
 - Organization of the Workshop: Essential Variables for GEOSS. Towards a sustainability process for defining GEOSS EV. (11-12 June 2015, Bari, Italy)
 - Organization of the ENEON first workshop. Observing Europe: Networking the Earth Observation Networks in Europe (21-22 September 2015, Paris, France).
 - Organization of the GEO-XII Plenary side event: Recently formed European Network of EO Networks (ENEON) as a new GEO Initiative. (10 November 2015, Mexico DF, Mexico)
 - Organization of the collocated Citizen Science Workshop with the ECSA Conference 2016 (19-21 May 2016, Berlin, Germany).
 - Organization of the collocated industry challenge. Co-organization of the FREE TRAINING IN SOLAR RADIATION - SESSION 2016 (27-29 Jan. 2016 - Sophia-Antipolis, France).
 - Organization of the Earth Observation gaps and prioritization actions' Workshop (10-11 October 2016, Laxenburg, Austria).
 - Organization of the ENEON Plenary Workshop (12-13 October 2016, Laxenburg, Austria).
 - Organization of the GEO-XIII Plenary side event: In-situ EO networks and its relation to GEOSS (ENEON). (7th November 2016, St. Petersburg, Russia).
- Elaborate open access scientific literature in publications of recognized impact.
 - See *Deliverable D7.5 Scientific publication compendium* for a complete view on this point.
- Provide the outcomes to relevant FP7-H2020 projects. Establish cooperation and agreements with relevant projects to foster knowledge of European EO networks capabilities and limitations.

- Cooperation with several projects has been established. See *Deliverable D1.2 Cooperation with other relevant project and initiatives report* for more information.
- Share observations catalogue analysis and results as reproducible research.
 - The observations inventory is freely available at <http://oi.geodab.eu/oi-client-beta/home/index-dev.html#>. More information can be found at *D4.4 Observation inventory* and *D4.5 Observation inventory database description and results report*.

2.1.1.4. With respect to the industry community and commercial sector

- Organise a dedicated dissemination workshop targeting SMEs and industries to share the ConnectinGEO methodology and results and create opportunities to build up new networks of stakeholders.
 - Organization of a Webinar on How to find and get data in GEOSS? (30 November 2015, 11:00).
 - Organization of the European EO Product Award of the year.
- Transfer technical and organisational experiences across domains of business.
 - Transfer technical and organisational experiences trough EARSC partner and its ways of communication.
- Attend to private business-focused exhibitions to demonstrate the possibilities of the data provided by the ENEON including cost/benefit analyses.
 - EARSC annual report presented the contribution to ConnectinGEO & ENEON projects. EARSC has set up a stand during the ESA living planet and the European Solutions in May 2016.
- Organise a collection of best practices across European observation network communities and specifically describe these from a business opportunity perspective.
 - The involvement of the private sector in providing data and products has been stimulated by the initiative on the product of the year. Some generic analysis has been made from the responses from the 4 finalist of the «EO product of the year competition». Those could open tracks for reflexions regarding the use of the DAB/GCI though it does not solve per say a gap analysis of the industry challenges.

2.1.1.5. With respect to the general public:

- Co-organise dedicated dissemination event about Citizens Science.
 - Organization of the collocated Citizen Science Workshop with the ECSA Conference 2016 (19-21 May 2016, Berlin, Germany).

GEOSS as a stakeholder

Efforts in the project contributed to increase and better engage GEOSS communities by applying already existing collaborative platforms, including, the former URR, now known as "Socio-Economic and Environmental Information Needs (SEE IN) Knowledge Base".

One of the outcomes of the project has been the detection of gaps in the functionality of the GCI components for collaborative processes that can be addressed in follow up projects.

SMEs as stakeholders

SME pilots contributed to demonstrate the economic value of creating business opportunity while participating in the gap analysis study. These selected pilots are intended to continue working beyond the end of the project and be further developed by some SMEs. Results of pilots will be disseminated to other SMEs in using the EARSC capability (EO industry sector) and sources of finance will be studied and applied to allow continuation of the activities beyond the end of the project.

Funding agencies as stakeholders

Reports will be submitted to the relevant funding agencies that will receive a list of gaps and will participate in the process of exploring options to ensure that some of the priorities defined during the project can be covered afterwards.

2.1.2. Dissemination methods

2.1.2.1. Dissemination of the project results:

- **Publication of technical papers** in remote sensing, environmental, ICT and application domain related conferences and journals. We will specifically target the following journals: Int. J. Remote Sensing, Int. J. Spatial Data Infrastructures Research; Int. J. Geographical Information Science; Transactions in GIS; Int. J. Agricultural, Biological and Ecological Statistics; Int. J. Digital Earth and the following conferences: IGARSS, SPIE Remote Sensing; EGU; AGU; GI Science; GeoEnv, EarthZine, etc, although this is not an exhaustive list. The project has reserved some budget to ensure that most of the scientific publications are published with open access (also called 'gold' open access) and are immediately provided in open access mode by the scientific publisher.

At the EGU 2015 General Assembly (12 – 17 April 2015, Vienna, Austria) were presented:

- *Open Surface Solar Irradiance Observations - A Challenge. Lionel Menard, Daniel Nüst, Simon Jirka, Joan Maso, Thierry Ranchin, and Lucien Wald. Orals / Fri, 17 Apr, 10:30-10:45 / Room R13. Abstract: EGU2015-6607*
- *Towards the creation of a European Network of Earth Observation Networks within GEO. The ConnectinGEO project. Joan Masó, Ivette Serral, Lionel Menard, Lucien Wald, Stefano Nativi, Hans-Peter Plag, Shelley Jules-Plag, Daniel Nüst, Simon Jirka, Jay Pearlman, and Martine De Maziere. Orals / Fri, 17 Apr, 16:15-16:30 / Room G1. Abstract: EGU2015-13792*

- *The GEOSS Science and Technology Stakeholder Network and Service Suite: Linking S&T Communities and GEOSS. Hans-Peter Plag and Shelley Jules-Plag. Orals / Tue, 14 Apr, 09:15-09:30 / Room G12. Abstract: EGU2015-9570*
- *Applying Sensor Web Technology to Marine Sensor Data. Simon Jirka, Joaquin del Rio, Daniel Mihai Toma, Daniel Nüst, Christoph Stasch, and Eric Delory. Orals / Thu, 16 Apr, 10:30-10:45 / Room G1. Abstract: EGU2015-9069*

At the in EGU 2016 (17–22 April 2016, Vienna, Austria) were presented:

- *Current status of the Essential Variables as an instrument to assess the Earth Observation Networks in Europe. Palma Blonda, Joan Maso, Antonio Bombelli, Hans-Peter Plag, Ian McCallum, Ivette Serral, and Stefano Stefano Nativi.*
 - *Gap analysis of the European Earth Observation Networks. Guillem Closa, Ivette Serral, and Joan Masó.*
 - *Topology of the European Network of Earth Observation Networks and the need for a European Network of Networks. Joan Masó, Ivette Serral, Ian McCallum, Palma Blonda, and Hans-Peter Plag.*
 - *SensorWeb Standards for Interoperability between in-situ Earth Observation Networks. Matthes Rieke, Raquel Casas, Oscar Garcia, Simon Jirka, Lionel Menard, Thierry Ranchin, Christoph Stasch, and Lucien Wald.*
- Involvement with the **relevant scientific and standards setting bodies**, which also have strong user involvement, such as QA4EO, OGC and ISO.
 - Redaction of the OGC Geospatial User Feedback Conceptual Model and XML encoding Standard. Right now in the phase of seeking public comments.
 - Creation of the Geospatial User Feedback Standard Working Group (SWG), based on the previous GeoViQua User Feedback Model. More information, here.
 - Participation in the OGC TC in Nottingham from 13 to 18/9/2015 - Working meeting :
 - OGC Testbed 11 Implementing JSON/GeoJSON in an OGC Standard Engineering Report. Public Engineering Report OGC 15-053r1. More information, here.
 - OGC Web Map Tile Service (WMTS) Simple Profile. OGC Engineering Report
 - Working meeting TC OGC in Boulder-Colorado 30/5 to 6/6/15 - Working meeting.
 - Participation in the working meeting ISO TC211 (Southampton, London from 7 to 11/6/2015)
 - Participation in the North Sensor Web Workshop (Münster, 25 November 2015).
 - **Engagement with user groups** through the Project Advisory Board, the Project Stakeholders Network, the ENEON, GEO CoPs, the GSTSN, and conferences/workshops.
 - Engagement has been done through the several workshops, EGU splinter sessions, and GEO Plenary side events organized.

2.1.2.2. Data dissemination

The project will collect and submit new information gathered by the project to the GCI, particularly information about observations involved in EO in both the remote sensing and in-situ sensors including but not limited to spatial and temporal coverage, means to access data, and data licenses. This information will be open-access and published following best practices for open data where possible.

The project has contributed to the EC Open Research Data Pilot. On top of participant efforts, the ConnectinGEO Observations Inventory uses current Open Source Software (OSS).

Relevant standards has been used for collecting data, i.e. the Open Geospatial Consortium, OGC Sensor Web Enablement (SWE) suite of standards in the Energy challenge.

The project has also collaborated with the GEO Data Sharing Working Group and the Data Management Principles new activities after the GEO XI Plenary and has disseminated the concept of the GEOSS Data CORE in the observation and measurement community.

3. Communication Plan

3.1. Communication activities

With the communication activities ConnectinGEO wanted to raise public awareness about the use of environmental information to better understand the planet threats. Therefore, ConnectinGEO aimed to address these complex communication needs by these general objectives:

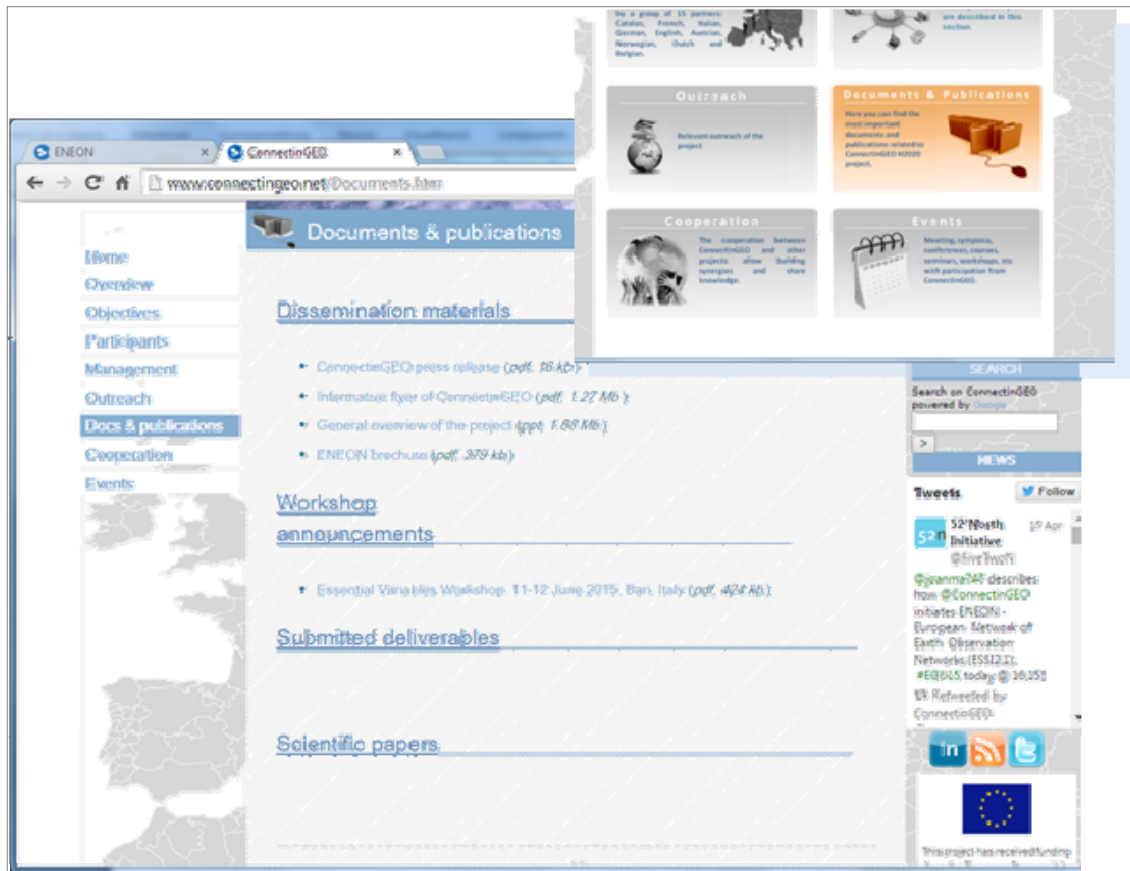
- To make project information and results available to various audiences, including groups beyond the project's, by synthesizing the new scientific knowledge gained in the project and by using a non-technical language that could reach also general society.
- Overcome barriers to knowledge sharing between research, policy and SMEs in EO networks and environmental data acquisition, by a tailored publication strategy and communications that comprises face-to-face bidirectional exchange (workshops, seminars), target group specific dissemination material, awareness campaigns, and social media.
- Use appropriate communications channels to ensure communication with policy-makers, the media, society, SMEs and the stakeholders, by combining classical media approaches with modern social media techniques and participative web.

The communication measures for promoting the project and its findings have been:


- Project’s corporative image and leitmotiv development.** A corporate design (logo, templates, and newsletter) developed to ensure that communication and outreach materials have a uniform and recognizable image. The ConnectinGEO logo used "GEO" capitalization to reflect the project’s relationship and contribution to GEO. ENEON’s logo uses an icon similar to the GEOSS SBA representation with the aim to reflect the connection with GEOSS. All the project representations used, as well, the EU flag.

	ConnectinGEO logo
	ENEON logo
	ENEON simplified logo following the GEOSS SBA icon
	European Union’s flag logo to be used in the project

- A ConnectinGEO multimedia communication tool package.** ConnectinGEO produced formal multimedia material to be used by the Consortium and the EC in various events. Additionally, ConnectinGEO created merchandizing items to communicate the project logo and the EU image.



Communication materials in ConnectinGEO website



ConnectinGEO and ENEON ready to start

Coordination, gaps and priorities in GEOSS EO networks

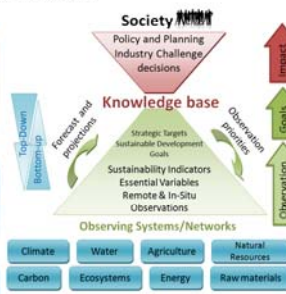
Joan Masó (Joan.Maso@uab.cat), Ivette Serral (ivette@creaf.uab.cat) CREA

Project starting date
1st February 2015

ConnectinGEO
ConnectinGEO's is a Coordinate and Support Action project in the Horizon 2020 program aiming to link existing Earth Observation networks with science, the private sector and the GEOSS and Copernicus stakeholders. Main objectives are to **enable ENEON** and contribute to the monitoring of the UN SDG.

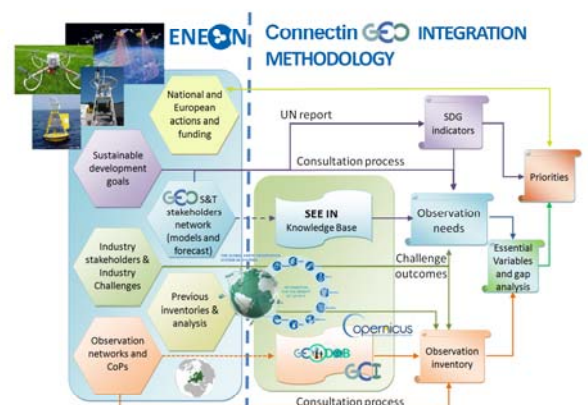
ENEON is the **European Network of Earth Observation Networks**, including space-based, airborne and in-situ observations networks with the goal of enhancing the use of Earth observations for assessments, forecasts, and predictions of GEOSS SBA topics and Copernicus services.

The **United Nations Sustainable Development Goals (UN SDG)** are an outcome of the Rio+20 United Nations Conference on Sustainable Development. Better coordinated EO can contribute to **monitor the SDG progress** and to **quantify indicators** of their achievements.



Scientific Community
The ConnectinGEO motivation is a better knowledge creation from the Earth observations networks

ConnectinGEO INTEGRATION METHODOLOGY



ENEON will discuss joint strategies across the observation networks to provide an integrated and harmonized perspective.

ConnectinGEO will formalise and implement a methodology to translate user knowledge needs into indicators based on Essential Variables (EV) measured by Earth Observation networks. This will help us to define new **observation requirements**, detect gaps and recommend priorities.

ConnectinGEO multi-faceted approach to analyze and detect gaps of the European EO networks:

- Top-down approach: Derive sustainability indicators that are needed to monitor progress towards GEOSS Strategic Targets and SDGs, and it will infer the EV that connect these indicators with the observable quantities by remote sensing or in-situ sensors.
- Bottom-up approach: direct dialog with members of ENEON
- Bottom-up approach: an observation inventory will be populated from the GEODAB and carefully analysed.
- Bottom-up approach: SMEs will participate in pilots that will transfer experiences between CoPs and generate new products based on open access GEOSS EO data (GEOSS data CORE). Gaps and other obstacles that challenge the innovation process for industry will be reported.

ConnectinGEO introductory poster

ConnectinGEO is a Coordinate and Support Action of the Horizon2020 program aiming to link existing Earth Observation networks with science, private sector and with GEOSS and Copernicus stakeholders. Main objectives are to enable ENEON and to provide the EC with a gap analysis among existing EO networks prioritizing the Sustainable Development Goals and the Essential Variables.

The United Nations Sustainable Development Goals (UN-SDG) are an outcome of the Rio-20 United Nations Conference on Sustainable Development. Better coordinated EO can contribute to monitor the SDG progress and to quantify indicators of their achievements.

ConnectinGEO INTEGRATION METHODOLOGY

ConnectinGEO methodology: analyze gaps on the European EO networks

Workshop Schedule:

Workshop	Place	Dates
Sustainable Development Goals	Norfolk, USA	22-26 March 2015
ENEON Plenary workshop	Paris, France	21-22 Sept 2015
Co-located Essential Variables	Bari, Italy	11-12 June 2015
Co-located Citizen Science	Berlin, Germany	19-21 May 2016
Co-located Industry challenge	Nice, France	27-29 January 2016
Co-located Gap Analysis	Laxenburg, Austria	10-11 October 2016
Second ENEON Plenary workshop	Laxenburg, Austria	11-12 October 2016

www.connectinGEO.net

ConnectinGEO official leaflet

ENEON is the European Network of Earth Observation Networks, funded by the European Union under the H2020 ConnectinGEO project including space-based, airborne and in-situ observations networks, with the goal of enhancing the use of Earth observations for assessments, forecasts, and predictions of GEOSS SBA topics and Copernicus services.

Purpose

- Vision:** all European EO networks coordinated to perfectly detect gaps and redundancies.
- Mission:** generate activities to have a better coordination among existing networks.
- Goals:**
 - incorporate to ENEON all EO networks members currently active in Europe,
 - consider in ENEON as much thematic areas as possible,
 - spatial harmonization of EO in-situ data,
 - connect ENEON with gap analysis studies, in particular with the ConnectinGEO methodology,
 - harmonization among EVs,
 - spatio-temporal continuity of the observations,
 - harmonization among standards (sensorML, etc).

Become a member!

... stimulate a more harmonized and coherent coverage of the European EO networks, reemphasizing the political strategic targets, create opportunities for SMEs to develop products, open avenue for industry to participate in investments, ...

www.eneon.net

ENEON first leaflet

ENEON

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 SDG.

Purpose

- Vision:** all European EO networks coordinated to perfectly detect gaps and redundancies.
- Mission:** generate activities for a better transdisciplinary coordination among existing networks and facilitate better exploitation of networks data.
- Functions:**
 - A unified representation to international EO initiatives (GEOSS)
 - Support EU programs (H2020, Copernicus)
 - Support EU policies (Open science, ERA, Space policy, Environmental and Maritime policies)
 - Support EU priorities (EU as a global actor, Digital Single Market, Energy union)
 - Support multilateral cooperation involving the EU, the Commission, the Member States or Associated States (GEO European Hub)
 - A connection with the private sector
 - More visibility among the S&T community
- Activities:**
 - Be a forum for discussing observational gaps among EO networks
 - Capacity building among networks
 - Report on the state of the art and provide an in-situ strategy. Leadership of the GD-06 GEO Task (GEOSS non-space based Earth Observation Resources)
 - Semantic harmonization
 - Communication and coordination activities (workshops, white papers, recommendations)
 - Integration beyond pure in-situ (citizen science, socioeconomic data)

Some SDG measurable by EO

What's ENEON?

ENEON intends to increase the connection between the existing European EO networks and the relevant communities engaged in the assessments, forecasting, and projecting of future developments: **policy makers, EC, GEO/GEOSS, Copernicus, etc.** ENEON is particularly focused on the **in-situ** segment. ENEON is also a platform to promote emerging European networks and sensor development projects to provide future provisions which may not yet be part of GEOSS or Copernicus Services. ENEON ensures that all networks are contributing valuable resources to GEOSS and in the contribution to the achievement of the **Sustainable Development Goals (SDG)** and the **Essential Variables (EV)**.

Virtual Marketplace/Commons

ENEON wants to play a major role in developing, validating, populating, and using the Socio-Economic and Environmental Information Needs Knowledge Base (**SEE-IN KB**) for virtual collaboration between providers, scientific and societal users, and, in particular, decision and policy makers. The primary goal of the **Commons** is to support the sharing and reuse of digital objects in a virtual space.

Dynamic graph on existing European EO networks. Based on JSON-LD & JavaScript

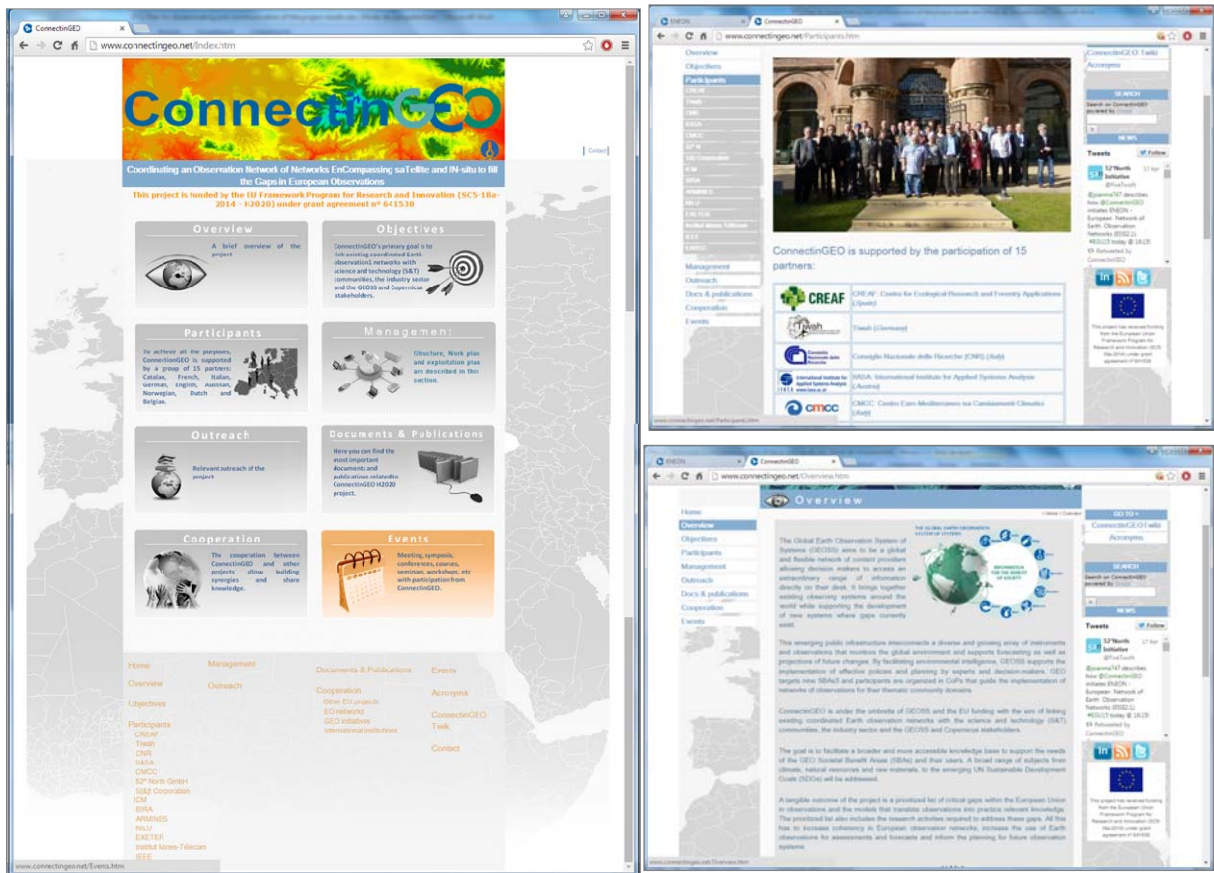
Provide feedback www.eneon.net/graph

Become a member!

www.eneon.net

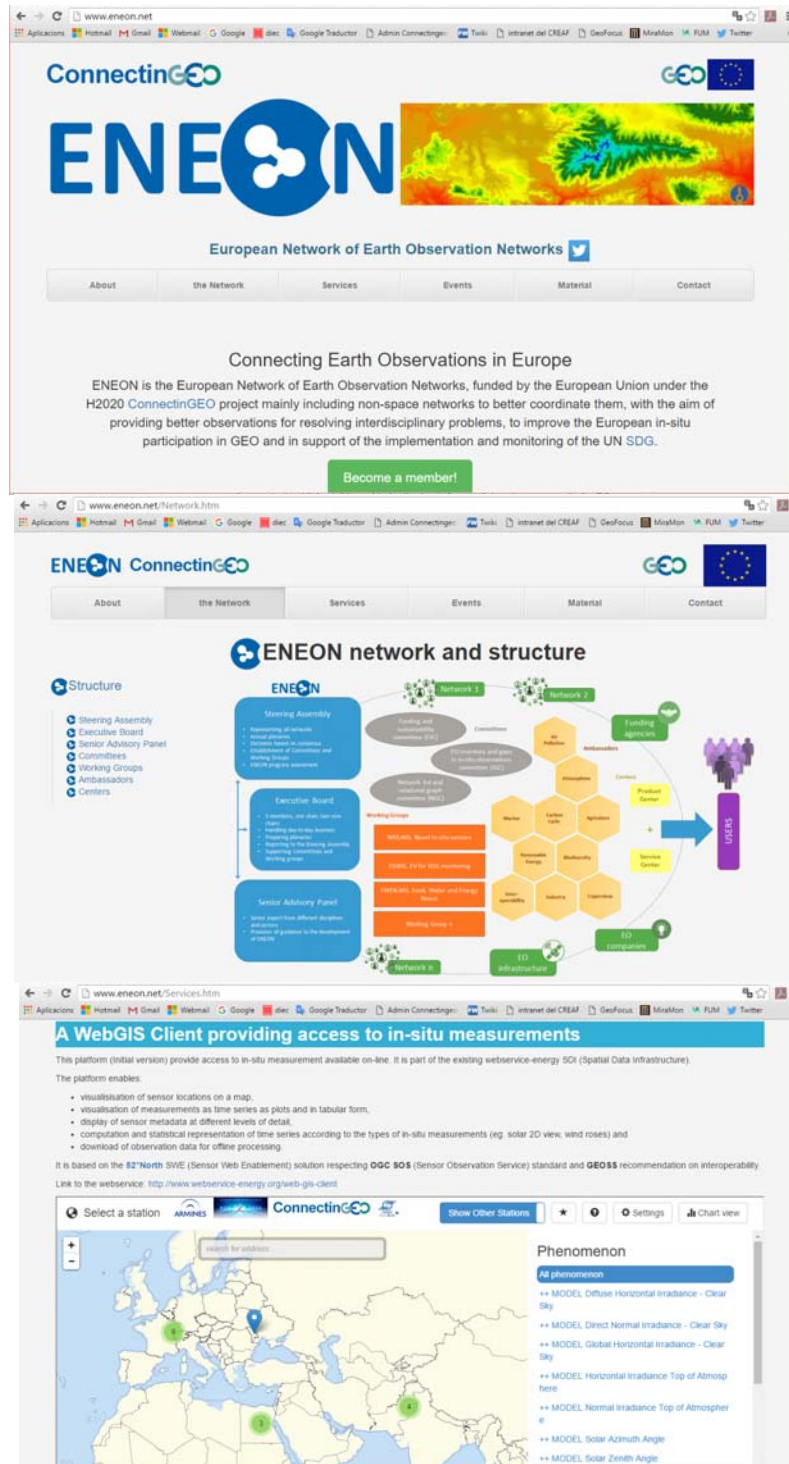
ENEON official leaflet

- The **ConnectinGEO website**. The project has registered the domain ConnectinGEO.net (.net emphasizes the aim of catalyzing a network). www.ConnectinGEO.net uses this to host the project website. This website is managed by CREAM and is used as the key platform to explain and communicate the project objectives to the general public, provide specific news, information and links to the partners and provide access to all public deliverables. ConnectinGEO website links to other relevant websites, including GEOSS S&T Services Suite (maintained by the GEOSS S&T Stakeholder Network), the GEO website and the GEOSS Portal, the GEOSS S&T Services Suite website that contains the GEOSS S&T Portfolio, the SEE IN Knowledge Base, and the DAB. The website will be active after the end of the project.



Some captions on ConnectinGEO website

- **The ENEON website.** The project has registered the domain ENEON.net (.net emphasizes the aim of catalyzing a network). www.ENEON.net uses this to host the project website. This website is managed by CREA and is used as the key platform to explain and communicate ENEON activities to the general public, provide specific news, information and links to the events. ENEON website links to other relevant websites, including GEOSS S&T Services Suite (maintained by the GEOSS S&T Stakeholder Network), the GEO website and the GEOSS Portal, the GEOSS S&T Services Suite website that contains the GEOSS S&T Portfolio, the SEE IN Knowledge Base, and the DAB. The website will be active after the end of the project.



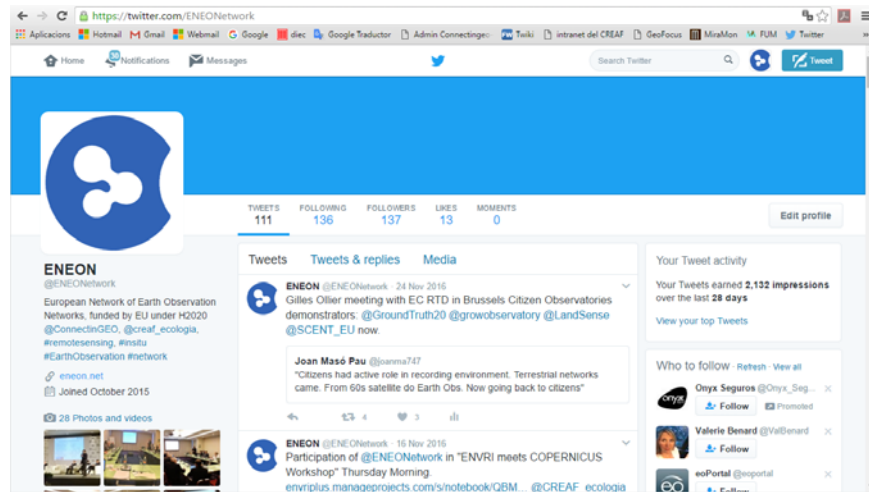
Some screenshots on ENEON website

- **ConnectinGEO social media accounts.** Social media accounts complement the website, and provide a forum for discussing the developments within the

ConnectinGEO project allowing anyone to comment and discuss ConnectinGEO results, events, news, etc. Two twitter accounts have been created: @ConnectinGEO and @ENEONetwork.



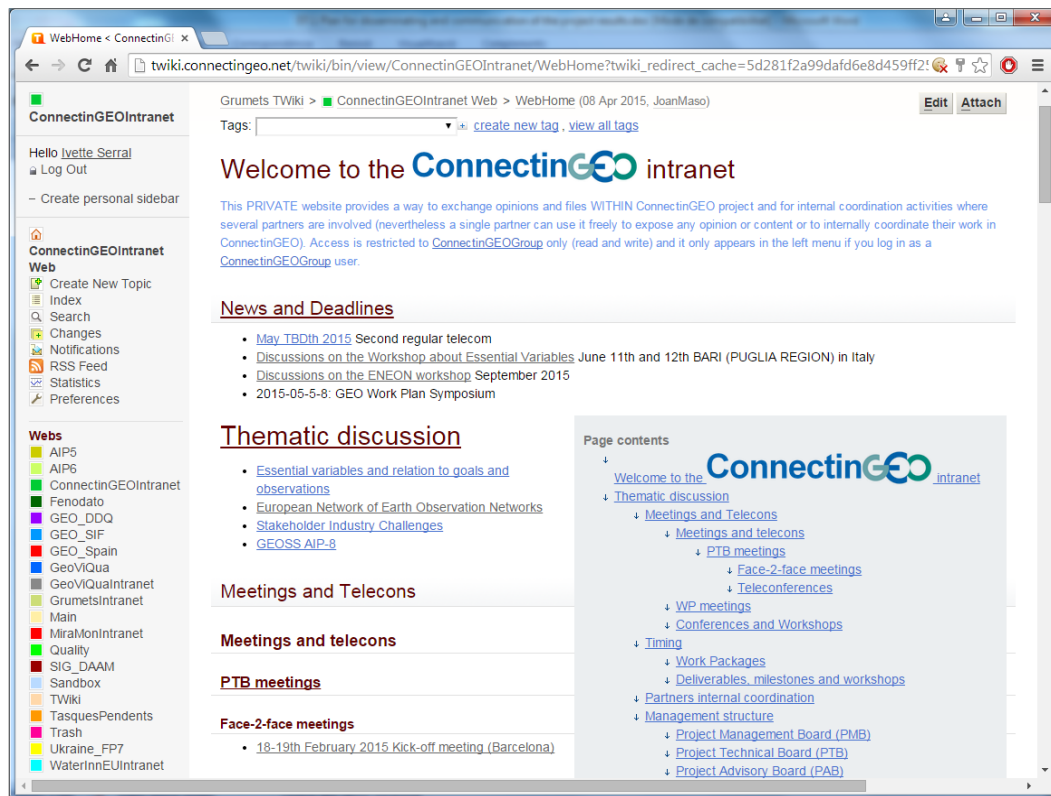
ConnectinGEO Twitter account and embedded into the website



ENEON Twitter account

A recap on Twitter messages can be found at *Annex 1*. Recap on Twitter messages.

- A **ConnectinGEO Wiki** – A Wiki was created to complement the website and to provide a private area within the partners. This private area is used for internal project communication, summarising discussions on the forum that have reached a conclusion. A public wiki will be considered to allow ConnectinGEO members to edit live content publicly visible and to be the basis for a collaborative community for EO networks that will live beyond the project. In contrast to a more static website, the wiki will be used for speedy discussion and interactive collaboration.



ConnectinGEO twiki page

- **External communications actions.** The consortium took care of promoting the use and the uptake of the results via participation in the GEO plenary and in other relevant exhibitions, Earth Science thematic workshops (both European and international), and any other event deemed relevant according to project's achievements. The project also contributed to newspapers and magazines, and generated regular press releases to communicate the main activities and results of the project to the mass media (see deliverable *D7.6 Media presence compendium* for more information). CREA communication office has prepared different articles to release to the media with project results that can be of interest for the general public.

EARSC has included information about ConnectinGEO and ENEON activities in the EOMag.

- **The Gap Analysis Table.** The ConnectinGEO GAT it's an open webpage to the general public where anyone can introduce new gaps or give feedback to the existing ones:
<http://twiki.connectingeo.net/foswiki/bin/view/ConnectinGEOIntranet/GapAnalysisTable>

Gaps table

- If you are a member of the ConnectinGEO project and have a user in the ConnectinGEO twiki, please use the [Edit] button below this table to add or modify gaps
- If you are not a member of the ConnectinGEO project but you want to inform us about a gap in Earth observation please go to <http://www.connectinGEO.net/gaps>
- To add feedback about a gap, click on the ID of the gap, fill the form and use **geoviqua_user** and **pub@geoviqua** as a user and password when requested
- To query for feedback about a gap you can use the following URL template substituting {ID} by the gap ID: http://geoviqua.stcorp.nl/api/v1/feedback/items/search?target_code={ID}&target_codespace=http://www.connectinGEO.net/gaps&format=text&view=full

Add	View	Gap ID	Gap type	Status	Theme	Other Themes	EV	Other EV	Gap description
Add	View	001	Geographical extent (1.1)	Detected (1)	Climate (CL)		C_TAS		The scarcity of microclimatic data (air temperature) from the beneath of trees.
FeedBk	FeedBk								
Add	View	002	Temporal resolution (2.3)	Detected (1)	Climate (CL)		C_O3A		Daily monitoring of inorganic compounds in precipitation
FeedBk	FeedBk								
Add	View	003	Temporal resolution (2.3)	Detected (1)	Climate (CL)		C_O3A		Daily/weekly monitoring of heavy metals in precipitation
FeedBk	FeedBk								
Add	View	004	Temporal resolution (2.3)	Detected (1)	Climate (CL)		C_O3A		Daily monitoring of Inorganic compounds in air
FeedBk	FeedBk								
Add	View	005	Temporal resolution (2.3)	Detected (1)	Climate (CL)		C_PRE		Daily/hourly monitoring of NO2 in air
FeedBk	FeedBk								
Add	View	006	Temporal resolution (2.3)	Detected (1)	Climate (CL)		C_PRE		Monthly monitoring of gas particle ratios of N-species
FeedBk	FeedBk								

Detail of the Gap Analysis Table

- **A ConnectinGEO citizen science conference.** ConnectinGEO plan co-organized a workshop with ECSA for disseminate the EO network to people engage in citizen science networks: science researchers, project leaders, educators, technology specialists, evaluators, and others – representing some disciplines (including biodiversity, meteorology and ecology) – gathered to engage in dialogue and an exchange of ideas.
- **A ConnectinGEO final book.** See *D7.7 Connecting Earth Observation Networks in Europe Book* for more information.
- **ConnectinGEO conferences.** ConnectinGEO and ENEON have been explained and promoted yearly in the European Geosciences Union (EGU) inside the Earth and Space Sciences Informatics (ESSI) division, and will explore the possibility of a special issue of the Earth Science Informatics journal. EGU is an excellent conference for such an activity, attracting people from across the environmental sciences. The General Assembly meeting commonly gathers more than 15,000 scientists and engineers. This will be in addition to presentation of ConnectinGEO results at a range of other conferences, as outlined above.
- **Collaboration with other activities.** See *D1.2 Cooperation with other relevant project and initiatives report* for more information.

- **Industry communication actions.** Dissemination through EARSC, SMEs in the project and IEEE SMEs network has increased the visibility and impact of the project into the industrial domain and made them sustainable.
- **ENEON Collaborative Portal → converted to ENEON commons / marketplace.** The ENEON Commons portal is supporting ENEON networks by providing an open and inclusive computer-based collaboration environment that facilitates the discovery, execution, reuse and creation of knowledge from in situ network's digital offerings and activities. In situ networks and infrastructures are able to present themselves in a comprehensive Earth observation context, expose their offerings to a broader community and demonstrate their usefulness for addressing cross-domain issues. Scientists are able to find the observation data they need and document observation requirements in close contact with data providers. Policy makers are able to formulate questions and get interpretations and options from data providers working with their experts. ConnectinGEO has conducted a pilot of the ENEON Commons, during which an already existing 52°North Web portal development was customized. The pilot involved three in situ Earth observation networks (including the emerging Solar Renewable Energy Network, LTER-Europe and Citizens Science) that offer a comprehensive description of their offerings (observations variables and observation outcomes), and connection to the GEODAB. For the selected networks, experts are identified. Scientific and decision-making questions are accepted, automatically answered, redirected, and/or redirected for review by experts.



Preliminary ENEON commons interface

4. Exploitation Plan

4.1. ConnectinGEO exploitation plan

4.1.1. Gap Analysis Table

The ConnectinGEO Gap Analysis Table is an open website where any expert can edit the content and add new gaps or give feedback to the existing ones. It is created in a twiki page and it will be maintained by CREAM beyond the end of the project:

<http://twiki.connectingeo.net/foswiki/bin/view/ConnectinGEOIntranet/GapAnalysisTable>

Gaps table

- If you are a member of the ConnectinGEO project and have a user in the ConnectinGEO twiki, please use the [Edit] button below this table to add or modify gaps
- If you are not a member of the ConnectinGEO project but you want to inform us about a gap in Earth observation please go to <http://www.connectingeo.net/gaps>
- To add feedback about a gap, click on the ID of the gap, fill the form and use **geoviqua_user** and **pub@geoviqua** as a user and password when requested
- To query for feedback about a gap you can use the following URL template substituting {ID} by the gap ID: http://geoviqua.stcorp.nl/api/v1/feedback/items/search?target_code={ID}&target_codespace=http://www.connectingeo.net/gaps&format=text&view=full

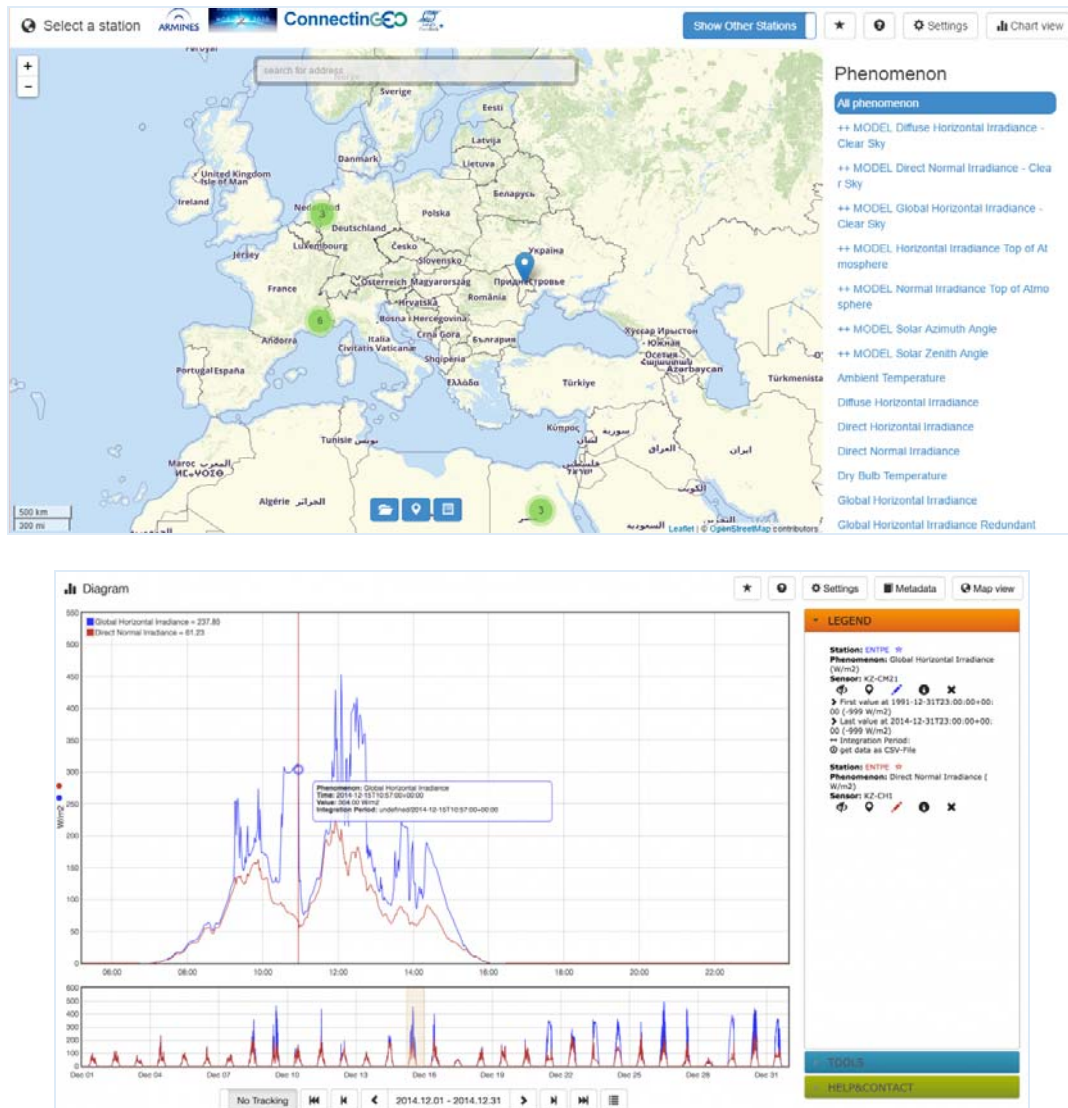
Add	View	Gap ID	Gap type	Status	Theme	Other Themes	EV	Other EV	Gap description
Add	View	001	Geographical extent (1.1)	Detected (1)	Climate (CL)		C_TAS		The scarcity of microclimatic data (air temperature) from the beneath of trees.
FeedBk	FeedBk								
Add	View	002	Temporal resolution (2.3)	Detected (1)	Climate (CL)		C_O3A		Daily monitoring of inorganic compounds in precipitation
FeedBk	FeedBk								
Add	View	003	Temporal resolution (2.3)	Detected (1)	Climate (CL)		C_O3A		Daily/weekly monitoring of heavy metals in precipitation
FeedBk	FeedBk								
Add	View	004	Temporal resolution (2.3)	Detected (1)	Climate (CL)		C_O3A		Daily monitoring of Inorganic compunds in air
FeedBk	FeedBk								
Add	View	005	Temporal resolution (2.3)	Detected (1)	Climate (CL)		C_PRE		Daily/hourly monitoring of NO2 in air
FeedBk	FeedBk								
Add	View	006	Temporal resolution (2.3)	Detected (1)	Climate (CL)		C_PRE		Monthly monitoring of gas particle ratios of N-species
FeedBk	FeedBk								

Versions' control are carefully maintained by the twiki platform and so there's no risk of losing information. Moreover, CREAM is weekly backuping the entire system helping to preserve all the content.

4.1.2. Renewable energy SWE webservice

In the framework of the ConnectinGEO project WP5 (Stakeholder and industry challenge) ARMINES/MINES ParisTech deployed a new platform extending the existing webservice-energy.org GEO energy community spatial data infrastructure (SDI). This platform allows access to in-situ measurements time series and metadata leveraging data sharing between companies and organisations. It is based on the open source solution developed by the 52° North SME. It implements a fully OGC (Open Geospatial Consortium) SWE (Sensor Web Enablement) standard compliant solution leveraging the GEO recommendations on interoperability.

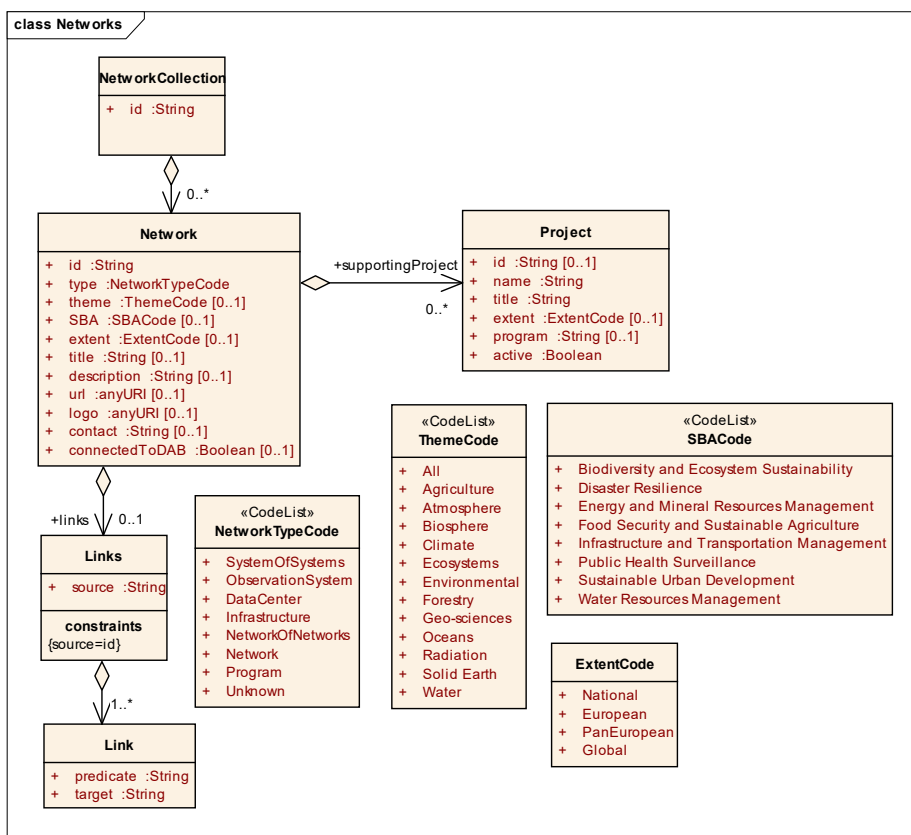
This new platform is a key and strategic asset for the energy community as a whole. It complements the GEO energy SDI with access to key information for energy practitioners namely in-situ measurements. It has been working for a year now in full operation serving access to in-situ measurement through a dedicated Web based graphical user interface (<http://insitu.webservice-energy.org>).



As a component of the webservice-energy.org SDI it is and will be maintain, backup, monitor and upgrade as part of many others components that are part of this SDI which is in operation since 2008.

4.1.3. EO in-situ networks graph

Through ENEON, a lively, dynamic graph on existing European EO networks has been created based on JSON-LD & JavaScript: www.eneon.net/graph.



UML model for the networks database elaborated in ENEON

```

"regionalalliance": [{"@id": "eneon:regionalalliance", "@type": "@id"},
"connectedNetworks": [{"@id": "eneon:connectedNetworks", "@type": "@id"},
"relatedProject": "eneon:relatedProject",
"supportingProject": "eneon:supportingProject",
"nationalNetworks": "eneon:nationalNetworks"
}],
"id": "eneon:networks",
"type": "NetworkPartType",
"network": [
{id": "eneon:ENEON",
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"SBA": ["Biodiversity and Ecosystem Sustainability", "Disaster Resilience", "Energy and Mineral Resources Management", "Food Security and Sustainable Agriculture",
"Infrastructure and Transportation Management", "Public Health Surveillance", "Sustainable Urban Development", "Water Resources Management"],
"extent": "European",
"title": "European Network of Earth Observation Networks",
"description": "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",
"uri": "https://www.eneon.net",
"logo": "logos/ENEON.png",
"contact": "ivette@eraf.uab.cat",
"links": {
"source": "eneon:ENEON",
"connectedNetwork": ["eneon:NDACC", "eneon:TOCON", "eneon:AMAP", "eneon:ECOSCOPE", "eneon:FOS"]
}
},
"relatedEOTasks": ["GD-06", "GD-09"],
"supportingProject": [
{id": "H2020:641538",
"name": "ConnectinGEO",
"title": "Coordinating an Observation Network of Networks EnCompassing saTellite and IN-situ to fill the Gaps in European Observations",
"extent": "European",
"partners": ["CNRS", "TIWAR", "IGN", "IIASA", "CMCC", "CSIC", "S&T Corp.", "BIRA-IASB", "ARMHES", "NILU", "UNEXE", "IEKE", "IMI", "EARS"],
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}
]
]
}, {
"id": "eneon:GEO",
"type": "NetworkOfNetworks",
*theme": ["All"],
"SBA": ["Biodiversity and Ecosystem Sustainability", "Disaster Resilience", "Energy and Mineral Resources Management", "Food Security and Sustainable Agriculture",
"Infrastructure and Transportation Management", "Public Health Surveillance", "Sustainable Urban Development", "Water Resources Management"],
"extent": "Global",
"title": "Group on Earth Observation",
"description": "Established in 2005, GEO is a voluntary partnership of governments and organizations that envisions a future wherein decisions and actions for the benefit of
humanity are informed by coordinated, comprehensive and sustained Earth observations and information. GEO Member governments include 101 nations and the European Commission, and
95 Participating Organizations comprised of international bodies with a mandate in Earth observations",
}
]

```

JASON-LD file with an example of networks and relations

The website hosting the graph will be maintained by CREAM. The status of networks and their relations will be updated and maintained through the ERA-PLANET call where CREAM, IIASA and CNR are also partners.

4.2. ENEON exploitation plan

For a complete description on the ENEON exploitation, go to the *D7.4 Strategic view for the sustainability of ENEON after the end of the project*.

Annex 1. Recap on Twitter messages

Stats obtained using Google Analytics. Tweets “impressions” is the time people saw a specific tweet on twitter. The Total engagements is the number of times people interacted with this tweet (clicks on link, hashtags... retweets, likes).

ConnectinGEO tweets



3 Feb 2015 – 2 May 2015

Tweet text	Date	Impressions	Engagement	Engagement rate
Impressed about the map of infrastructures that COOPEUS is doing. Very relevant for the objectives of @ConnectinGEO http://t.co/nVVu7bcdUU	2015-04-13 07:23 +0000	506	3	0.59%
Our ENEON splinter session is the first one in the list in the EGU 2015 paper guide. Tomorrow! http://t.co/YRdulafg5R http://t.co/9CZWadcfZv	2015-04-12 18:37 +0000	164	3	1.83%
Interesting tool that relates Essential Ocean Variables to social benefits and scientific use http://t.co/H46H30qdR9 Missing connection SDG	2015-03-24 16:04 +0000	144	1	0.69%
GEOSS could act as catalyzer on Essential Variables for domains that don't have the "tradition" to harmonize info such as Meteo or Climate.	2015-03-23 21:31 +0000	96	0	0.00%
Different processes to define EV: EVC are endorsed by GCOS UN WMO... For Biodiversity they come from GEOBON and in Water comes from GEOSS.	2015-03-23 21:28 +0000	152	5	3.29%
Comparing 10 GEOSS Water Strategy Report EV with GCOS ECV. 7 are GCOS but Evapotranspiration, Water Quality	2015-03-23 21:21 +0000	136	1	0.74%

and Suspended Sediments are not.				
Essential Variables: Atmospheric, Terrestrial, Oceanic, Biodiversity. Many overlaps detected: http://t.co/eefBGcsw9z http://t.co/Miza32ymXH	2015-03-23 20:44 +0000	215	7	3.26%
EO data gaps, harmonization of observations and Societal development Goals discussed in a GEO-UN engagement workshop http://t.co/TTxPArpKoK	2015-02-24 13:51 +0000	195	2	1.03%
Thanks to everbody for a VERY useful kick-off meeing and Project Advisory Board. Now we are ready to start working http://t.co/RqDiBXCWy5	2015-02-23 10:52 +0000	178	7	3.93%
Productive first day in the kick-off meeting @ConnectinGEO. Now that we know each other, can start working together. Tomorrow PAB meeting.	2015-02-18 20:03 +0000	288	4	1.39%
We are in the middle of the explanation about what is important in "WP7 dissemination". I'm know talking about social media.	2015-02-18 16:06 +0000	130	0	0.00%

2 May 2015 – 30 July 2015

Tweet text	Date	Impressions	Engagement	Engagement rate
Are you a European network working in EO? We are looking for gaps and redundancies in GEOSS. Register to our workshop http://t.co/3ggLHkiVFR	2015-07-07 13:36 +0000	118	2	1.69%
Coordinator of @ConnectinGEO @joanma747 @CREAF_ecologia presenting job to be done in #Ecopotential WP4. Let's start! http://t.co/mzzxpwwLxr	2015-06-25 09:33 +0000	789	10	1.27%
Second Copernicus environmental satellite safely in orbit - http://t.co/O2PGjWocVy	2015-06-23 07:43 +0000	167	1	0.60%
Great to have you in @ConnectinGEO. https://t.co/84GzFTwy5Y	2015-06-15 16:01 +0000	138	0	0.00%

@ConnectinGEO presentation in the #GEPW9 in Copenhagen http://t.co/6NCh9aDRTI	2015-06-15 15:44 +0000	119	4	3.36%
Rely on optical sensors to monitor the world is not always possible. Clouds are more frequent than... #EVWorkshop http://t.co/UD9d81G5Hc	2015-06-12 12:44 +0000	173	2	1.16%
Ian Jarvis in #EVWorkshop: Agriculture EV simply enunciated: Area, Type, Condition, Phenology, Yield, and Management. http://t.co/cYVz1JvAyy	2015-06-12 12:17 +0000	164	1	0.61%
Incredible to know that "In 20 years we build as much houses that was built in last 6000". #EVWorkshop T. Kemper JRC https://t.co/ITWJBJpIC3	2015-06-12 10:48 +0000	201	3	1.49%
Learning of Global Human Settlement Layer (GHSL) by Joint Research Centre. Monitor urbanization from Remote Sensing. https://t.co/IMNnSYwACk	2015-06-12 10:45 +0000	208	4	1.92%
S. Hales in #EVWorkshop: Importance of EV in modeling the Earth and also the relevance of socioeconomical EV http://t.co/yTusLHRMnX	2015-06-12 10:15 +0000	199	4	2.01%
Not need to define Ecosystems EV. We select among the ones defined for ECV, EOv, EwV, ESocioeconomicV. #EVWorkshop http://t.co/GZeBcM2ubA	2015-06-12 09:56 +0000	116	4	3.45%
A. Provenzale learning from the masters to define what is an Ecosystem: Arthur Tansley. #EVWorkshop http://t.co/YajlzKd2J2	2015-06-12 09:53 +0000	116	2	1.72%
In geodynamical process, we need to integrate data disciplines in the Earth Critical Zone http://t.co/rcDJ795ryC	2015-06-12 09:48 +0000	200	3	1.50%
Learning from the master A Provenzale: In a no lineal system, average system is not average of the individual compon.	2015-06-12 09:46 +0000	87	0	0.00%

http://t.co/pJZyq0iX5I				
GBIF is a good network but we can still see that spatial distribution of its data depends of the region. Harmonize! http://t.co/0pgQrVAAdT	2015-06-12 09:34 +0000	121	5	4.13%
EBV needs a user community interested. In addition, connect them to Remote sensing component rocks! http://t.co/alU6clzmmv	2015-06-12 08:20 +0000	107	1	0.93%
G.Geller in #EVWorkshop: The process of defining Essential Variables: Workshop+Proposal+Paper+Refining+WhitePaper+CFP http://t.co/jKqClbQSLt	2015-06-12 08:01 +0000	184	2	1.09%
EBV are recognized by the UN Convention for Biodiversity Variables but they do not have a review process. Freyhof in #EVWorkshop	2015-06-12 07:26 +0000	177	2	1.13%
J. Freyhof in #EVWorkshop: "Essential Biodiv. V cannot be develop by individual countries but harmonized globally" http://t.co/XOR1N3wLrx	2015-06-12 07:23 +0000	63	1	1.59%
A. Monett in #EVWorkShop. Chilean SDE is being integrated in GEOSS in the AIP. When we will see INSPIRE connected? http://t.co/golKj7jwWE	2015-06-11 15:54 +0000	83	3	3.61%
Essential variables for volcanology are volcano dependent!, Are connected to models: Seismology, surface deform... https://t.co/cwXo0tcZGp	2015-06-11 15:36 +0000	45	0	0.00%
Jane, You are bringing here the need for socioeconomical data to deal with EV for Disasters! We don't have it yet. https://t.co/8whKAHTqhY	2015-06-11 14:59 +0000	44	2	4.55%
We were focusing on the @SustDev. Jane Rovins at #EVWorkshop provides a new Goals for disasters: Sendai Targets	2015-06-11 14:47 +0000	81	1	1.23%

http://t.co/yZIB6UWta2				
U. Looser GRDC in #EVWorkshop. The Global Terrestrial Network Hydrology. Another possible member of ENEON? http://t.co/uyFKvqNC5T	2015-06-11 14:26 +0000	87	4	4.60%
T.Ranchin in #EVWorkshop: Proposal of Renewal Solar Essential Variables. Going beyond the ECV. http://t.co/LEob5in7F2	2015-06-11 14:22 +0000	95	2	2.11%
U.Looser in #EVWorkshop: interesting glossary http://t.co/3gcyQFUa8b and gaps for hydrology http://t.co/1e3LmJhgU2	2015-06-11 14:18 +0000	90	2	2.22%
R. Pastres in #EVWorkshop: Again, EV are selected if the related models respond correctly to pressures. http://t.co/TbglaveGBm	2015-06-11 10:21 +0000	46	0	0.00%
I Kriest in #EVworkshop. In the definition of EVs we need to ask modelers on what is essential to run the model http://t.co/GMphkpRMIL	2015-06-11 10:13 +0000	43	0	0.00%
H. Dolman at #EVworkshop is asking for better ECV for water cycle http://t.co/A8YVXJBWIs	2015-06-11 09:38 +0000	34	0	0.00%
H. Dolman in the #EVWorkshop in Bari talking about ECV and the observation needs http://t.co/fqQAdJFwis	2015-06-11 09:34 +0000	31	0	0.00%
Hans Peter Plag at #EVWorkshop: WE need to agree on a def. of EV. E.g.: "A variable that determines the system status and its development"	2015-06-11 08:40 +0000	62	5	8.06%
You can connect to the ConnectinGEO Essential Variables workshop at 10:30 https://t.co/moEPMyzgcl agenda here: http://t.co/7l7BTjpp4r	2015-06-11 08:37 +0000	32	0	0.00%
@ConnectinGEO supports the proposed GEO Carbon Flagship (presented by Werner Kutsch) for the GEO workplan #GEOSEC2025 http://t.co/1b2VTIEKu7	2015-05-07 08:37 +0000	66	2	3.03%

30 July 2015 – 28 Oct 2015

Tweet text	Date	Impressions	Engagement	Engagement rate
The @ConnectinGEO project supports the creation of @ENEONetwork https://t.co/5CnIM1gjly	2015-10-22 13:39 +0000	203	0	0.00%
European EO product of the year @earsc competition to use GEOSS (Global Earth Observation System of Systems) data http://t.co/Y3YpWzzXbl	2015-10-16 14:08 +0000	623	11	1.77%
Join the European Network of Earth Observation Network at	2015-10-16 14:04 +0000	397	6	1.51%
Do not provide "I don't know" option. "Confidence does not correlate with competence". People are unsecured but are doing right. B. Simmons	2015-10-13 08:31 +0000	398	1	0.25%
We in @ConnectinGEO are organizing one about the start and benefits European Network of Earth Observation Network. https://t.co/aRP6tKgNCW	2015-10-12 09:57 +0000	724	8	1.11%
Could @ConnectinGEO stimulate the creation of Essential Socioeconomic Variables? https://t.co/9rbclMvNYt	2015-10-12 09:02 +0000	385	0	0.00%
Interesting to know reasons for locking data and how to overcome them. Is it lack of interoperability or lack of aim https://t.co/eTVR3vPTkh	2015-10-06 14:11 +0000	429	2	0.47%
This is could be one of outcomes of ConnectinGEO project: A data gap could be data that is not accessible in GEOSS. https://t.co/8BGvSzrySj	2015-10-06 13:59 +0000	367	0	0.00%
1 outcome of @GaiaClim will be the GAID http://t.co/ku3EEIEzS0 . Orgs and prjs contributing to a gap analysis. We are http://t.co/Akln8zuoqb	2015-10-06 09:15 +0000	698	3	0.43%
This is an interesting acronym from @GaiaClim. Gaps Assessment and Impacts Document GAID. I wonder	2015-10-06 08:42 +0000	354	1	0.28%

if we need a GAPD ('P' for Priorities).				
Pleased to be here in Frascati following the progress of this interesting project. Thanks for invite us. https://t.co/diSlf1HD44	2015-10-06 08:12 +0000	279	0	0.00%
And also depending on the #data available. ConnectinGEO EU project is doing a gap analysis for #SDGs indicators data https://t.co/zZZON1AJEK	2015-10-06 07:53 +0000	279	0	0.00%
EU @GaiaClim project WP6 does a gap analysis in in the climate data. Their results will be interesting for the @ConnectinGEO study in GEO.	2015-10-06 07:48 +0000	485	1	0.21%
Hans Peter Plag (TIWAH) reviews @ConnectinGEO methodology for gap analysis. Societal process with Science support. http://t.co/1G1NV20rxi	2015-09-22 10:54 +0000	1378	5	0.36%
How to engage heterogeneous RS industry into ENEON. Finding their role in in-situ data production and consumption http://t.co/xT7ouyyKFn	2015-09-22 10:16 +0000	241	1	0.41%
Jan Hendrick Voet (IRCEL) at ENEON workshop. Interesting to see EIONET NoN governmental in-situ versus research one https://t.co/RiZot6KvFR	2015-09-22 10:10 +0000	250	1	0.40%
Sometimes distributed processing is a dream that cannot be realized even with standards (WPS, UncertML). Lucy Bastin http://t.co/nMVKyYjGXN	2015-09-22 09:15 +0000	184	7	3.80%
Michael Mirtl in the ENEON workshop! https://t.co/7ebkdWg8yo	2015-09-22 08:43 +0000	139	0	0.00%
The role of the industry in the EO panorama was emphasized by Michel Schouppe (EC) and Barbara Ryan (@GEOSEC2025) https://t.co/aAvgpK1o4j	2015-09-22 07:56 +0000	170	0	0.00%
We do not see a chain for producing a data product by aggregation of several themes	2015-09-22 07:39 +0000	257	2	0.78%

data. This is an opportunity for ENEON.				
Some projects eg FP7 EO2heaven demonstrate that remote sensing in @GEOSEC2025 can help. There are still gaps to fill https://t.co/XWc0b80WOC	2015-09-22 07:27 +0000	99	0	0.00%
Agriculture monitoring is possible by remote sensing. Hoping that @ConnectinGEO can contribute in @GEOSEC2025. https://t.co/PC4yWaeDhN	2015-09-22 07:25 +0000	85	0	0.00%
Second day of the ENEON Workshop starts reviewing yesterday network presentations. Thanks. @CREAF_ecologia http://t.co/IMqFXJIB9a	2015-09-22 07:22 +0000	1780	10	0.56%
Arne J. Berre closing the ENEON Workshop today, representing ECSA and presenting European Citizen Observatories prjs. http://t.co/XBGiWlw35C	2015-09-21 16:37 +0000	161	6	3.73%
Arne J. Berre is closing the ENEON Workshop today representing ECSA and presenting European Citizen Observatories projects.	2015-09-21 16:36 +0000	74	0	0.00%
Ex. of data acquisition financed by national agencies in Europe following international conventions. Same with GEOSS https://t.co/ml3UOPkkAM	2015-09-21 16:19 +0000	135	1	0.74%
Need for ocean bio-geo-chemical obs., deep-see (bellow 2000m) and higher resolution for SST. SWE provided by Atlantos project. ENEON WS	2015-09-21 15:46 +0000	107	1	0.93%
Thomas Loubrieu: SEADATANet and EUROARGO is telling us all about the network in the ENEON workshop. Need biogeoquim. https://t.co/ek85A3n4je	2015-09-21 15:38 +0000	103	0	0.00%
Presented by Eric Petermann (EUMETNET) in the ENEON workshop. https://t.co/YtuYEyuL1k	2015-09-21 14:51 +0000	106	1	0.94%
EUREF: 270 GNSS stations: GPS users reference to EUREF. Monitor	2015-09-21 13:48 +0000	77	0	0.00%

Earth movement, water vapor and ionosphere. ENEON WS http://t.co/maaFs8GOFa				
In a big data era, GEOSS has to move from data sharing to model web. Responding "what if". Future ENEON smart data http://t.co/jY6zIkn2e5	2015-09-21 12:46 +0000	455	5	1.10%
NEEDS: Services on volcanic ash, better aerosol measurements, more use of commercial aircraft as sensor platforms. https://t.co/Je1qKN3wtS	2015-09-21 10:53 +0000	82	0	0.00%
World Meteorological Organization is only about weather?: Nop. 800 stations on atmospheric chemical composition. http://t.co/COWPTqM44y	2015-09-21 10:43 +0000	137	2	1.46%
Identifying an unexpected ENEON role: Communicate knowledge derived from observing networks. Ensure permanent funding http://t.co/nBZukMLDrX	2015-09-21 10:35 +0000	98	0	0.00%
ENEON Workshop stated today with broad vision provided by Michel Schouppe (EC) and Barbara Ryan (GEO) @CREAF_ecologia http://t.co/rFzswmyBVK	2015-09-21 10:20 +0000	155	5	3.23%

Oct 28 2015 – Jan 26 2016

Tweet text	Date	Impressions	Engagement	Engagement rate
Still room to register to the "Product of the Year" EARSC award first info webinar. https://t.co/JKvLkRpONx https://t.co/w9PB9PkHkJ	2015-11-30 08:06 +0000	1148	5	0.44%
Collaboration with @ECOPOTENTIALprj is high priority in @ConnectinGEO for expanding our knowledge on EV for ecology https://t.co/5dNP7T70OE	2015-11-27 10:21 +0000	1244	1	0.08%
This is one of the activities done in the context of industrial challenges in @ConnectinGEO	2015-11-24 10:17 +0000	1933	5	0.26%

https://t.co/32ZkOe7JFH				
The @ECOPOTENTIALprj project in the EC booth in Mexico together with @ConnectinGEO #GEOWeek15 https://t.co/WIMlgdUOLN	2015-11-11 16:53 +0000	1109	5	0.45%
Happy to see. @ConnectinGEO methodology is inspired in Sustainable Development Goals for inferring EO requirements https://t.co/5NzOBmC3y1	2015-11-11 10:59 +0000	1043	3	0.29%
The European Commission's booth in #GEOWeek15 and #LAGF2015 with posters including @ConnectinGEO. @CREAF_ecologia https://t.co/wj5DPSSnL3	2015-11-10 20:11 +0000	4053	24	0.59%
With the support of @ConnectinGEO. Finding gaps in Earth Observation data by using them to create good product in EU https://t.co/68Oa7vY2CW	2015-11-02 19:11 +0000	556	6	1.08%
It is great to see that EGU scientist are responding the UN and @GEOSEC2025 call to monitor the SDG's! https://t.co/q9hTixLckV	2015-10-29 14:39 +0000	189	0	0.00%

Jan 26 2016 – Apr 25 2016

Tweet text	Date	Impressions	Engagement	Engagement rate
Help @ConnectinGEO to know existing EO gaps in Europe	2016-04-25 10:02 +0000	2495	12	0.48%
Gap analysis of the European Earth observation networks poster in the @EGU_ESSI @ConnectinGEO @ENEONetwork https://t.co/nWCtIQXh6	2016-04-22 08:49 +0000	2313	15	0.65%
ConnectinGEO contributes to @ECOPOTENTIALprj with WP2 deliverables about Essential Variables. +1 H. Pereira slides. https://t.co/qw4VRn5i58	2016-04-06 10:38 +0000	1383	4	0.29%
Apply NOW to the @earsc product of the day. And, please use the GEOSS DATA Core in the process. https://t.co/0QhbXca1Wu	2016-03-31 08:52 +0000	1470	9	0.61%

How Geospatial Information helps monitor many UN sustainable development goals. Marianne Fay, World Bank #OGCdc16 https://t.co/vwn3l8aHAB	2016-03-07 16:06 +0000	1676	15	0.90%
Marianne Fay World Bank, "remote sensing is going to be the key in a 20n data revolution". Is @GEOSEC2025 fully in? https://t.co/i4GOLWyTmv	2016-03-07 15:56 +0000	2033	10	0.49%
Marianne Fay, #OGCdc16. We do not have architecture to exploit EO at full potential in the World Bank yet. https://t.co/T0oEGreDQr	2016-03-07 15:54 +0000	1495	5	0.33%
Marianne Fay, World Bank #OGCdc16 EO is used in water, forestry and agriculture (crop productivity). We are not using EO at full potential.	2016-03-07 15:53 +0000	1639	5	0.31%
The World Bank is using Citizens Science and vertical accelerometers in mobiles to measure the quality of the roads. Marianne Fay #OGCdc16.	2016-03-07 15:40 +0000	2878	7	0.24%
Marianne Fay, World Bank at the #OGCdc16: "I wanted _sustainability_ as a 3rd WB goal but we removed it due to we did not had an indicators"	2016-03-07 15:38 +0000	2714	7	0.26%
Michel Schoupe emphasizes @ConnectinGEO and GEO-CRADLE as important h2020 projects coordinated with ERA-Planet. https://t.co/YLRGZbVz9Q	2016-02-16 10:53 +0000	3888	22	0.57%
We are considering taking the lead in the renewed GD06 task for GEOSS EO in-situ coordination. Europe needs field data coordination	2016-02-02 16:27 +0000	567	2	0.35%

Apr 25 2016 – July 24 2016

Tweet text	Date	Impressions	Engagement	Engagement rate
October workshop on gaps in EO and its prioritization. Need your contribution here as an EO expert!	2016-07-13 11:48 +0000	3278	48	1.46%

@IIASAVienna https://t.co/ujn2RqLEwq				
Bari Workshop on EVs was one year ago but still good conclusions to present in #GEOBONconf2016 https://t.co/zCfmxfjfiNq	2016-07-05 12:34 +0000	1504	4	0.27%
Very glad to collaborate with @EUBON1 to strengthen EO relations in Europe @EU_H2020 https://t.co/wYWepdFMrg	2016-06-09 14:02 +0000	1667	2	0.12%
#GEPW16 Christoph Häuser: we need Essential Variables for all SBA in GEOSS https://t.co/qu8G22pxMz	2016-06-02 07:56 +0000	1721	3	0.17%
#GEPW16 @ConnectinGEO @ENEONetwork @ECOPOENTIALprj @eraplanetgeo https://t.co/Q0zUvwAVeD	2016-06-02 07:26 +0000	1903	10	0.53%
#GEPW16 #9 session @ENEONetwork @ConnectinGEO https://t.co/nHCAiInFpr	2016-06-01 09:45 +0000	595	14	2.35%
Can @SustDev targets drive the Earth Observations measurements? #GEPW16 discusses @ConnectinGEO goal based approach https://t.co/OjlbckR26E	2016-06-01 09:14 +0000	797	13	1.63%
#GEPW16 #9 session @ENEONetwork @ConnectinGEO https://t.co/poLS76p6y7	2016-06-01 08:25 +0000	133	3	2.26%
#GEPW16 #9 session @ENEONetwork @ConnectinGEO https://t.co/Qu03f1xAVH	2016-06-01 08:24 +0000	609	6	0.99%
Earth Observation Networks and their European coordination, @ENEONetwork now at #GEPW16. @ConnectinGEO https://t.co/Jxezzqr0G7	2016-06-01 06:57 +0000	593	13	2.19%
Help @ConnectinGEO to know existing EO gaps in Europe	2016-05-09 16:03 +0000	2168	10	0.46%
ConnectinGEO work helping answer second question wt GEOSS inventory and the gaps resulting @GEOSEC2025 Final minutes https://t.co/Hgoh6A9opF	2016-05-04 14:29 +0000	507	3	0.59%

On going process of defining Essential Variables for renewable energy in @ConnectinGEO Thierry Ranchin @GEOSEC2025 https://t.co/gHhtKIUBMx	2016-05-04 10:03 +0000	968	4	0.41%
Congratulations @earsc. @GEOSEC2025 is considering the role of Remote Sensor (European) Private Sector in #geoss. https://t.co/PiCBVnzSaj	2016-05-03 10:13 +0000	2156	17	0.79%
Help @ConnectinGEO to know existing EO gaps in Europe	2016-04-25 10:02 +0000	2495	12	0.48%

July 24 2016 – Oct 22 2016

Tweet text	Date	Impressions	Engagement	Engagement rate
Giovanni Rum @GEOSEC2025 describes @ENEONetwork as in-situ EO coordination body & a place to do user needs and gap analysis: @ConnectinGEO pic.twitter.com/legWvTACs7	016-10-12 14:50 +0000	1,033	10	1.00%
Thanks to Ivette Serral from @CREAF_ecologia and Lionel Menard from @MINES_ParisTech have presented these results examples. https://t.co/Tlhp2Lvevt	2016-10-12 09:23 +0000	515	9	1.75%
I never thought that a 3-D printer can be a remedy for a Capacity Building gap in weather measurement for Earth observation. Well done! https://t.co/mQbrjCzAqM	2016-10-11 18:04 +0000	306	0	0.00%
Project @GeoCradle presenting a gap analysis for Balkans EO, Middle East and North Africa. Using @ConnectinGEO method. consultation thread https://t.co/LDvMIAeNwe	2016-10-11 10:45 +0000	519	15	2.89%
We agree with @GaiaClim that you cannot conduct a gap analysis in the climatic data and systems available if you are not SMART https://t.co/UZwLHpsJbq	2016-10-11 10:16 +0000	333	1	0.30%
Params. for a EV measurement but lots of competition, a variety of	2016-10-11 08:14 +0000	180	1	0.56%

good intentions: a confusing picture to funding agencies. Kjetil Torseth https://t.co/FUWQOaqu5F				
Pollution can shorten your live in a year. Easy to start a EO sensor network but difficult to continue on decadal scales. Kjetil Torseth https://t.co/1rLmGF3bpr	2016-10-11 08:12 +0000	203	4	1.97%
Requests for more resolution on satellite imagery but we need to know for which purpose. Also more hydrological data is needed. @FiveTwoN https://t.co/TLrNVrRhvl	2016-10-11 08:10 +0000	175	3	1.71%
Most of the SDG cannot be monitored using the current Earth observation EV. Can we extend them to human infrastructures? https://t.co/duVrBJ1M7i	2016-10-10 20:07 +0000	170	10	5.88%
Using the Jack and Jill metaphor Hans Peter Plag proposes a GEOSS that does the match making between data producer and data user https://t.co/fQByf44FRu	2016-10-10 16:16 +0000	174	8	4.60%
Extended deadline: 21st September https://t.co/zvOjz6GaZV	2016-09-07 14:51 +0000	662	7	1.06%

Oct 22 2016 – Feb 01 2017

Tweet text	Date	Impressions	Engagement	Engagement rate
ConnectinGEO, @CREAF_ecologia and @shakira promoting the Sustainable Development Goals at different levels. https://t.co/FncA4L23a7	2017-01-17 15:23 +0000	831	7	0.84%
In @GaiaClim second user workshop, warping up yesterday discussions. Gap analysis process. @ConnectinGEO @CREAF_ecologia @joanma747 helping https://t.co/mxdvXrcb1	2016-11-22 08:29 +0000	1101	6	0.55%
Comparing the Gap analysis tables and types of @GaiaClim https://t.co/bgggxzvFBW and @ConnectinGEO	2016-11-21 19:23 +0000	1057	5	0.47%

https://t.co/qSKiYfum0D . @CREAF_ecologia https://t.co/BHjByCfQIM				
Gap analysis of @ConnectinGEO in the context of #GEOSS (@GEOSEC2025) presented in the @GaiaClim Second User Workshop. Good synergies between https://t.co/hJReVtNJ5N	2016-11-21 19:20 +0000	1126	6	0.53%
Discovering the secrets of the MIDAS project is a JRC initiative of creating a database of models. Perfect component for the KB. #GEOweek16 https://t.co/f1wTdIOxD	2016-11-08 20:35 +0000	1383	4	0.29%
Hans Peter Plag ambitious concept for an knowledge base: User needs and observations match making and gap detection for the SDG #GEOweek16 https://t.co/8WuzB2w1TF	2016-11-08 20:30 +0000	1141	6	0.53%
Stefano's views on the creation of the @GEOSEC2025 knowledge base by agglutinating knowledge bodies to be discovered and accessed #GEOweek16 https://t.co/Vbb02t26w6	2016-11-08 20:26 +0000	1187	10	0.84%
Share your views on in-situ in GEOSS @GEOSEC2025 https://t.co/KmmFrLjdVj	2016-11-04 10:45 +0000	227	5	2.20%

ENEON tweets

TWEETS	FOLLOWING	FOLLOWERS	LIKES	MOMENTS
111	136	137	13	0

Oct 19 2015 - Jan 17 2016

Tweet text	Date	Impressions	Engagement	Engagement rate
An opportunity to talk about ocean in-situ networks and their link with @ENEONetwork? https://t.co/zmQcRwqKT8	2015-11-12 21:09 +0000	382	1	0.26%
Talking about @ENEONetwork agenda: Nov: prepare structure	2015-11-12 21:09 +0000	379	2	0.50%

&ToR. Until Jan. RFP. Until Oct: work. Oct: 2on plenary pic.twitter.com/62oU278UI5				
Some pictures of the @ENEONetwork side event yesterday on the #GEOWeek15. Thanks you all for your contributions! https://t.co/PFTVRWkZLA	2015-11-11 20:48 +0000	451	8	1.77%
Barbara Ryan, @GEOSEC2025 has emphasized the importance of the in-situ component in Earth Observations #GEOWeek15. @ENEONetwork can help	2015-11-11 17:24 +0000	645	2	0.31%
Knowing gaps in #oceanobserving @EuroGOOS https://t.co/Z5wjufjuzE	2015-11-11 16:03 +0000	477	4	0.84%
The @ENEONetwork booth ready for #GEOWeek15 exhibition start at 16:00 #LAGF2015. @CREAF_ecologia will talk with you https://t.co/Jf1bxYIWBE	2015-11-10 20:08 +0000	1745	7	0.40%
#geoweeek15 European Commission's celebrating GEOSS decade https://t.co/PvHOpZXLmp #EarthObservations #OpenData @innovationunion	2015-11-10 09:57 +0000	355	1	0.28%
Join us to the ENEON side event in #GEOWeek15 next Tuesday 10th Nov https://t.co/xCmtfKTvib	2015-11-05 14:00 +0000	737	9	1.22%
Gaps in #OceanObserving relevant to @ConnectinGEO project https://t.co/7F0zVbQDAO	2015-11-05 12:14 +0000	890	4	0.45%
Are you a European EO network? Join to ENEON and become a member: https://t.co/wAdkeJedt8	2015-10-30 11:30 +0000	217	2	0.92%
Preparing the @ENEONetwork materials for the #GEOWEEK2015 (34A_Booth) iin Mexico City https://t.co/TnoyRT8aGS https://t.co/TzxXPcJQ6g	2015-10-29 14:51 +0000	406	5	1.23%
Join the European Network of Earth Observation Network (ENEON) at	2015-10-19 12:55 +0000	419	12	2.86%

Jan 17 2016 – Apr 16 2016

Tweet text	Date	Impressions	Engagement	Engagement rate
Help detecting EO gaps in GEO: https://t.co/8AocfHVxYF @ConnectinGEO @GEOSEC2025 @EU_Commission	2016-03-02 11:46 +0000	874	8	0.92%
Ready to support @eraplanetgeo in networking projects. @CREAF_ecologia, CNR and @IIASAVienna brings @ENEONetwork https://t.co/QP7KtnrJp2	2016-02-18 17:29 +0000	2499	11	0.44%
GEOSS (@GEOSEC2025) is all about coordinating Earth observations; including in-situ. @ENEONetwork can help in Europe pic.twitter.com/xEJdDKkQr	2016-02-18 17:29 +0000	1526	6	0.44%
See blue box in the Michel Schouppe slide! @ENEONetwork is seen by the European Commission as key asset to push fw. https://t.co/v6AV53rI47	2016-02-16 10:57 +0000	331	0	0.00%
We invite @ENEONetwork participants in projects participating in ERA-Planet to active work on our activities. https://t.co/fFeJEFuCmd	2016-02-16 10:11 +0000	414	2	0.48%
Solar energy in-situ measurements linked with @ConnectinGEO and @ENEONetwork in Sophia Antipolis, @OIE_MINESParis https://t.co/9gNywRByMx	2016-01-27 14:51 +0000	742	1	0.13%

Apr 16 2016 – July 15 2016

Tweet text	Date	Impressions	Engagement	Engagement rate
October workshop on @ENEONetwork . Need your contribution here as thematic EO in-situ network! @IIASAVienna https://t.co/vLwZxHYp3u	2016-07-13 11:59 +0000	2122	33	1.56%
#GEPW16 @EUBON1 Christoph HÃxuser: gaps in biodiversity data in Europe https://t.co/4j02nLUUxJ	2016-06-02 08:00 +0000	697	10	1.43%
ENEON invite all in-situ EO data	2016-06-01	943	6	0.64%

acquisition prjs. & networks to participate GD-06 earthobservations.org/activity.php?i... #GEPW16 pic.twitter.com/CHozk0jGii	09:20 +0000			
Question: But, you are talking if everything was ok. Difficulties?. Working with all actors to overcome. #GEPW16 https://t.co/EDRvQZaT70	2016-06-01 09:50 +0000	315	3	0.95%
From Sensor Web Enablement interoperability of EO measurements to Earth Living Interface of @ECOPOTENTIALprj #GEPW16 https://t.co/p8sa1uIX6	2016-06-01 09:44 +0000	644	10	1.55%
Can you identify presenters in the ENEON session in #GEPW16 among the public? Antonello, Helen, Richard, Elisabeth. https://t.co/WjfiCr6Zyv	2016-06-01 09:40 +0000	535	19	3.55%
All hands to battle stations: Fight to cut redundant projects. Instead sustain stable coordination networks. #GEPW16 https://t.co/OIWZuoQGhi	2016-06-01 09:30 +0000	1137	17	1.50%
Examples of EO networks and initiatives that succeeded to connect wt policy making in @GEOSEC2025. Lessons to learn https://t.co/MH8HjJ8mSk	2016-05-03 10:47 +0000	1137	4	0.35%

July 15 2016 – Oct 13 2016

Tweet text	Date	Impressions	Engagement	Engagement rate
The whole workshop team in the @IIASAVienna steers after very productive discussions about the @ENEONetwork future. @CREAF_ecologia https://t.co/MONujBCROH	2016-10-13 14:47 +0000	1531	34	2.22%
We appreciate @ENVRiplus presentaton made by @asmi_ari in the @ENEONetwork workshop. Making sure we complement and not overlap coordinations https://t.co/DJLLg5tmyV	2016-10-13 07:39 +0000	408	13	3.19%

Jills are networks interconnected in ENEON. We should find Jacks having user needs matching with coordinated Jills. ENEON benefits. HP Plag https://t.co/3ubCss8p2E	2016-10-12 13:20 +0000	449	4	0.89%
Leading the GD06 in-situ observation task in the @GEOSEC2025 2016 work program final report. We will continue leading in 2017. https://t.co/fNHZv1KXo8	2016-10-12 12:53 +0000	1097	11	1.00%
Two results in @ENEONNetwork: a network graph (https://t.co/piwMmwraFn) and the Renewable energy sensor platform (https://t.co/EDOMrl369i) https://t.co/xlsjwC6mNY	2016-10-12 08:51 +0000	329	11	3.34%
ENEON need to be beneficial in a EO landscape composed by International, European (e.g. Copernicus), national, new data stream... https://t.co/HnFQvSFewX	2016-10-12 08:27 +0000	441	6	1.36%
The goals of @ENEONNetwork workshop explained by Ian Mccallum: Bring together networks, European EO landscape, GEOSS and sustainability https://t.co/UqB2DXg4PA	2016-10-12 08:15 +0000	406	6	1.48%
In @IIASAVienna ready to start the @ENEONNetwork workshop organized by @ConnectinGEO. Cost of Observing Systems << Benefits pic.twitter.com/juxXnitRTi	2016-10-12 08:05 +0000	729	13	1.84%
Extended deadline: 21st September https://t.co/ZB95ElhRMa	2016-09-07 14:54 +0000	96	0	0.00%
https://t.co/piwMmw9zNP https://t.co/J1E5J9SkwJ	2016-07-26 09:51 +0000	268	3	1.12%
#ENEON_graph Help us to improve it! @ConnectinGEO https://t.co/XT1brOacRE	2016-07-26 09:49 +0000	1210	37	3.06%
Elaborated a graph of EO Networks in Europe.Are you a network?You are not in the graph and should be?Tell us more!	2016-07-26 09:42 +0000	159	1	0.63%

https://t.co/piwMmw9zNP				
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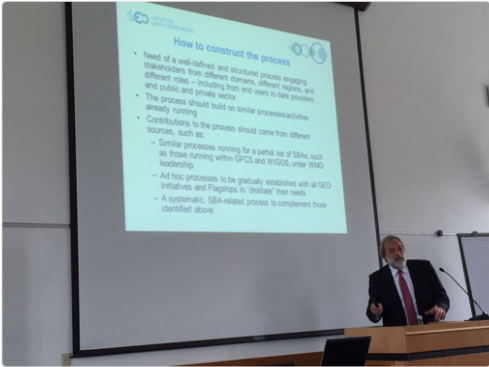
Oct 13 2016 – Feb 01 2017


Tweet text	Date	Impressions	Engagement	Engagement rate
Gilles Ollier meeting with EC RTD in Brussels Citizen Observatories demonstrators: @GroundTruth20 @growobservatory @LandSense @SCENT_EU now. https://t.co/4izgtRqIsZ	2016-11-24 12:58 +0000	673	10	1.49%
Participation of @ENEONetwork in "ENVRI meets COPERNICUS Workshop" Thursday Morning. https://t.co/GUZHHzodN @CREAF_ecologia @ConnectinGEO https://t.co/AJYq2q4FXH	2016-11-16 08:02 +0000	1537	5	0.33%
Joan Masó @ConnectinGEO @ENEONetwork @CREAF_ecologia bringing EO in-situ coordination to the GEO Plenary @GEOSEC2025 https://t.co/R4gCKIGBWI	2016-11-09 11:40 +0000	1436	15	1.04%
@ConnectinGEO , @ENEONetwork https://t.co/mBPfcdAljD	2016-11-08 14:19 +0000	232	6	2.59%
Thanks to all that has come to the well attendee to the @CREAF_ecologia organized session in @GEOSEC2025 https://t.co/QnrImSX0J6	2016-11-07 16:47 +0000	809	10	1.24%
Thanks to all that has come to the well attendee to the @CREAF_ecologia organized session in @GEOSEC2025	2016-11-07 16:46 +0000	204	2	0.98%
Great interest in the @CREAF_ecologia in-situ session today at @ENEONetwork @GEOSEC2025 plenary. @earsc @IIASAVienna #tiwah @OIE_MINESParis https://t.co/ZhkYES6Rkw	2016-11-07 16:45 +0000	792	11	1.39%
#GEOSS Plenary Side event. Nov 7th 09:00 "In-situ EO networks and its relation to GEOSS"	2016-11-06 16:15 +0000	340	17	5.19%

earthobservations.org/uploads/506_en... by ENEON & @ConnectinGEO				
@ENEONNetwork & @ConnectinGEO at the European area of GEO Exhibition in St Petersburg (8-10 Nov. 2016): boards 29 and 30. Come and visit us!	2016-11-04 09:10 +0000	340	4	1.24%
GEO-XIII Plenary St.Petersburg. 7th Nov. 09:00-10:30 (Room:Green7): In-situ EO networks in relation to GEOSS (ENEON) https://t.co/eo2s0gwjm7	2016-11-04 10:27 +0000	202	5	2.48%
WG1: @ENEONNetwork and its relations to @ENVRiplus, @GEOSEC2025, EC, WMO. Central role as facilitator and common place for discussion https://t.co/ZVaMGxtsAb	2016-10-15 12:23 +0000	613	18	2.94%
WG2: Practical topics that ENEON would focus on: Links to @GEOSEC2025. Including in-situ sensors in the GCI, policy, virtual platform, SMEs https://t.co/g23h9hFwOx	2016-10-15 12:19 +0000	611	14	2.29%
The whole workshop team in the @IIASAVienna steers after very productive discussions about the @ENEONNetwork future. @CREAF_ecologia https://t.co/MONujBCROH	2016-10-13 14:47 +0000	1531	34	2.22%
We appreciate @ENVRiplus presentation made by @asmi_ari in the @ENEONNetwork workshop. Making sure we complement and not overlap coordination https://t.co/DJLLg5tmyV	2016-10-13 07:39 +0000	408	13	3.19%

EARSC tweets

Tweet by @earsc	Date	Twitter Analytics
Read @ConnectinGEO report "Navigating #Sustainability on a Changing Planet" workshop focussed on #SDGs & #EVs links http://bit.ly/2kIM71e	Jan 31, 2017	Impressions 201 Total engagements 2

Current graph of European EO networks elaborated under the @ConnectinGEO #H2020 project @ENEONetwork http://www.eneon.net/graph/ #insitu	Jan 30, 2017	Impressions 758 Total engagements 40
As #h2020 project @ConnectinGEO is ending read more about its main outcomes & future steps http://bit.ly/2jAxqal @ENEONetwork #eomag	Jan 19, 2017	Impressions 1812 Total engagements 19
Watch this @OIE_MINESParis video on #Solar Sensor Observation Platform @ConnectinGEO @EO4InnovationEU youtu.be/WpC5C6qnYkg	Jan 3, 2017	Impressions 896 Total engagements 11
Read @ConnectinGEO report: Essential Variables current status in different communities and way to move forward bit.ly/2hDd0wb pic.twitter.com/lAv06zkK9d	Dec 20, 2016	Impressions 2427 Total engagements 37
#EOmall concept presented at the @ENEONetwork workshop more info http://bit.ly/EOmarketplace	Oct 12, 2016	Impressions 734 Total engagements 31
.@Geocradle presenting the #gap analysis assessment at the @connectingeo week	Oct 11, 2016	Impressions 645 Total engagements: 23
<p>earsc @earsc · Oct 10</p> <p> Giovanni Rum from @GEOSEC2025 reinforces the gap analysis process to bring stakeholders in including private sector</p> <p>ConnectinGEO and EO4InnovationEU</p> 	Oct 10, 2016	Impressions : 1,001 Total engagements 26
.@ConnectinGEO week has started: CREAM is presenting the essential variables at the gap analysis workshop #SDGs #gapanalysis	Oct 10, 2016	Impressions 628 Total engagements 7
EARSC is actively participating in these events http://bit.ly/29Hedz6 @ConnectinGEO @ENEONetwork	Oct 10, 2016	Impressions 408 Total engagements 3
.@ConnectinGEO workshop will focus on key issues associated with Earth Observation and #SDGs Oct 10-14 http://bit.ly/29Hedz6 @CopernicusEU	Sept 9, 2016	Impressions 1,018 Total engagements 6
Register for the workshops on #Gap_Analysis & Prioritization and @eneon, week Oct10-14 @ConnectinGEO @EO4InnovationEU @GeoCradle @GEOSEC2025	Sept 7, 2016	Impressions 398 Total engagements 4

Take a look: graph European EO #networks elaborated under @ConnectinGEO #H2020 project @eneon.net/graph @ENEONetwork @EO4InnovationEU	Sept 2, 2016	Impressions 344 Total engagements 4
Workshops: #gap analysis & prioritization, @ENEONetwork week of Oct 10, 2016, Laxenburg, Austria. http://bit.ly/2by9Tlw @EO4InnovationEU	Aug 30th, 2016	Impressions 403
Save the date: @ConnectinGEO and @ENEONetwork workshop will take place next October 10-14, in Laxenburg, Austria	July 13th, 2016	Impressions 621 Total engagements 6
.@connectiongeo @eneon discussed at @geocradle #gepw16 understanding #capacity building priorities and gap analysis	Jun 1, 2016	Impressions 2074 Total engagements 14
Presentation of @ENEONetwork and @ConnectinGEO under @eraplanetgeo #GEPW16 #EarthObservation	Jun 1, 2016	Impressions 964 Total engagements 8
presenting the goal based approach to link #SDGs to essential variables @connectinggeo at GEPW16 #geo2025	May 31, 2016	Impressions 1508 Total engagements 6
Finalists of the European #EO product award are now announced! Winner will be revealed on June 21! #EARSCaward 	May 25, 2016	Impressions 4984 Total engagements 59
. @GeoCradle survey : help mapping #EarthObservation Regional Capacities in #MENA & Balkans http://earsc.org/news/geo-cradle-project-survey-is-launched ... @connectinggeo	May 16, 2016	Impressions 2197 Total engagements 16
Join the @ENEONetwork reducing redundancies & detecting gaps in #EarthObservation More info: http://eneon.net	Mar 29, 2016	Impressions 1105 Total engagements 10
Help Detecting EO gaps in GEO http://bit.ly/1L5mhY3 Survey open till March 9th #earthobservation #geoss @GEOSEC2025 @ConnectinGEO	Mar 2, 2016	Impressions 1873 Total engagements 9
Apply now to the European #EarthObservation Product	Feb 17, 2016	Impressions 4002

of the year Award using #opendata ! @ConnectinGEO		Total engagements 41
.@ConnectinGEO launched a survey http://bit.ly/20z4SZp to detect gaps in the accessibility of observation data	Feb 15, 2016	Impressions 1311 Total engagements 10
Geoff at the ConnectinGEO k/o meeting to start to enable private sector engagement with #GEO #GEOSS . Joan Masó #CREAF is the co-ordinator.	Feb 18, 2015	Impressions 321 Total engagements 3
Thank you Joan #joanma747 for the very difficult task to organise the kick-off of @connectingeo good luck with co-ordinating the project.	Feb 19, 2015	Impressions 875 Total engagements 8
EARSC participating to the ConnectinGEO ENEON 1st workshop. Goal to bring industry and research closer together. https://twitter.com/ConnectinGEO/status/646227382723026944	Sep 22, 2015	Impressions 433 Total engagements 1
ConnectinGEO has a goal to identify gaps: the biggest gap is between Research&Industry. ENEON can help fill that gap. pic.twitter.com/PHb3YlprP3	Sep 22, 2015	Impressions 546 Total engagements 4
Just launched our competition for the European #EO product of the year encouraging the use of open data from #GEOSS http://bit.ly/1X8Omj5	Oct 16, 2015	Impressions 1048 Total engagements 19
thanks to highlight the @earsc competition encouraging the use of open data from @GEOSS under @ConnectinGEO project https://twitter.com/Geoconnexion/status/659080760163508224	Oct 27, 2015	Impressions 385 Total engagements 3
"European EO product of the year" competition from #EO #opendata to an #innovative product http://bit.ly/1X8Omj5	Nov 2, 2016	Impressions 5165 Total engagements 39





H2020 Project Nr: 641538. Project start date: 01 Feb 2015
Acronym: **ConnectinGEO**
Project title: **Coordinating an Observation Network of Networks EnCompassing saTellite and IN-situ to fill the Gaps in European Observations**
Theme: SC5-18a-2014. Coordinating European Observation Networks to reinforce the knowledge base for climate, natural resources and raw materials

Tweet by @eopages	Date	Twitter Analytics
#EARSCawards TIPS Tidal Prediction Services by Noveltis: currents & water elevation now only a click away @ConnectinGEO #GEO2025 #opendata	Jun 13	Impressions 656 Total engagements 6
Discover the finalists of EU #eo Product award in the next days. Winner will be announced on June 21st #earsaward	Jun 13	Impressions 1026 Total engagements 35