

○ GEOENVI project

Project overview

2020

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No [818242 — GEOENVI]



G E O E N V I



○ Consortium

Participant No*	Participant organisation name	Country
1 (Coordinator)	EGEC	BELGIUM
2	RETE GEOTERMICA	ITALY
3	ENEL GP	ITALY
4	COSVIG	ITALY
5	CSGI (Italian consortium of research group)	ITALY
6	CNR-IGG	ITALY
7	BRGM	FRANCE
8	ES-géothermie	FRANCE
9	Paris Minetech	FRANCE
10	MBFSZ	HUNGARY
11	ISOR	ICELAND
12	GEORG	ICELAND
13	Orkustofnun - OS	ICELAND
14	VITO	BELGIUM
15	JESDER	TURKEY
16	Dokuz Eylul Univ	TURKEY

○ Key actors

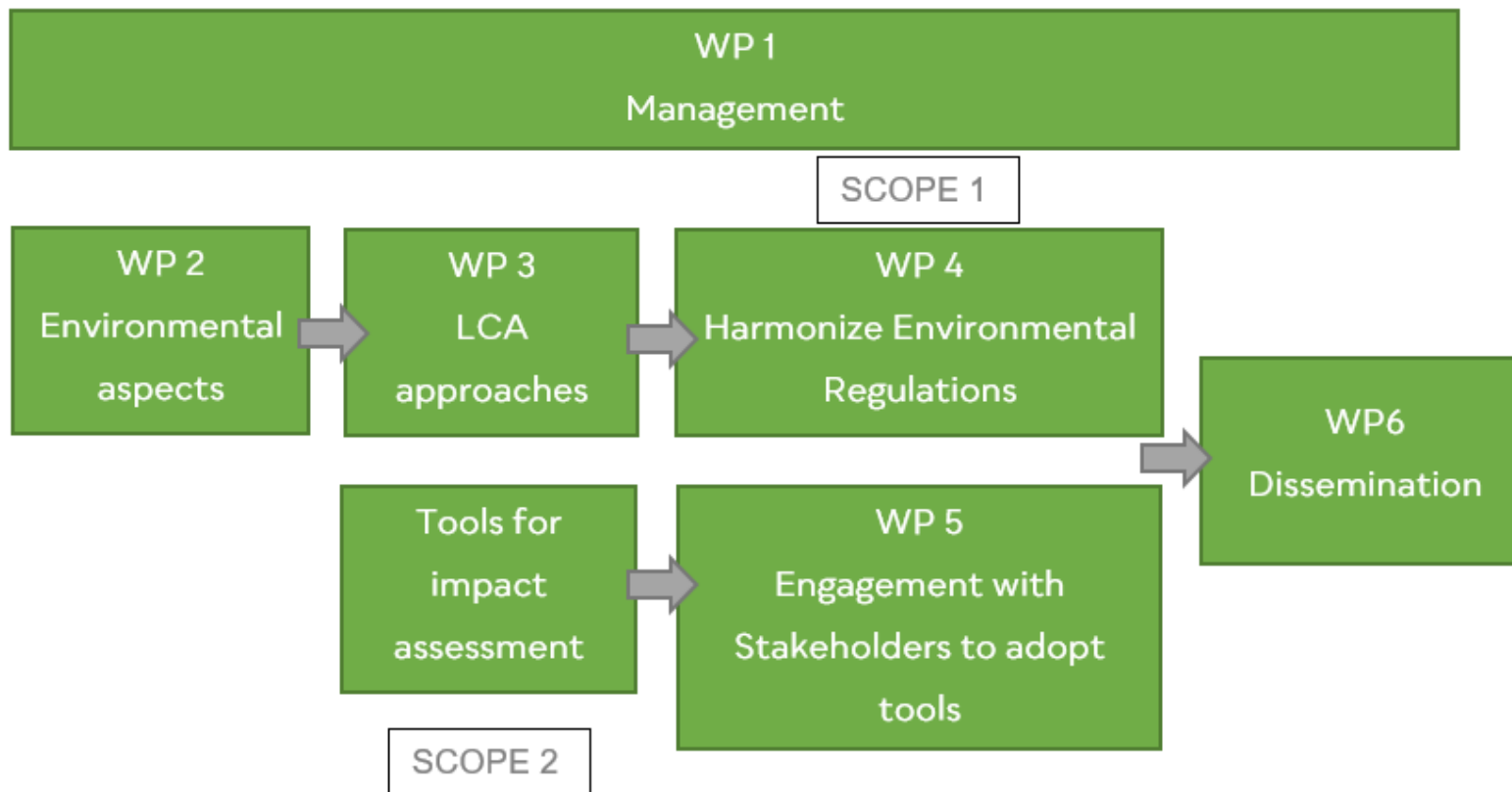
- **Public environmental institutions and regulatory authorities** > implement and/or make the environmental regulations: they will exchange on best practices, tend to adopt the GEOENVI recommendations and methodologies, and envisage the harmonisation of their environmental regulations
- **Industry & project developers** > develop geothermal projects: they will be consulted on environmental impact and LCA, and be asked to implement methodologies and tools. GEOENVI aims especially at representing a variety of power and DH project developers in Europe. These geothermal project developers and operators (more than 70 companies) are represented directly and indirectly by geothermal associations in GEOENVI
- **Scientific experts** > guarantee sustainability: they will support drafting of environmental regulations for the legislators and design methodologies and tools on environmental impact and LCA for industry.

○ Target areas

GEOENVI is then targeting six countries in a first time: **Iceland, France, Belgium, Italy, Hungary and Turkey**. During the project results dissemination phase, the objective is to cover the rest of Europe.



○ Work Packages



○ Technical proposal

WP 2: ENVIRONMENTAL MATTERS, BRGM

1. Overall state of the art on deep geothermal environmental data (ISOR) : **report published**

List of environmental issues: risk, impact and incidents

2. Analysis of mitigation measures (CNR)

Adopted solutions and recommendations to circumvent environmental concerns: **report published, Recorded Webinar**

3. Stepping back considering other kinds of geothermal applications, renewable energy sources and beyond (BRGM) : **report published**

4. Data organization and reporting (BRGM)

Database on environmental matters **published**

○ Technical proposal

WP 3: LCA METHODOLOGY, Orkustofnun

1. A comprehensive analysis of the panorama of studies reporting environmental assessment & sustainability assessment for geothermal systems (Orkustofnun) : **report published**
2. Elaboration of the environmental impact and LCA guidelines for geothermal energy and application to the case studies (CSGI Task leader with main contribution from ARMINES for the LCA guidelines) : **report published**
3. Development of a protocol for the generation of simplified LCA models to assess environmental impacts (ARMINES):**report published**
4. Testing the applicability of the guidelines and the protocol for simplified models with the stakeholders (COSVIG) :**report published**

○ Technical proposal

WP 4: ENGAGE DECISION-MAKERS, VITO

1. Decision-making process mapping (VITO): **report on policy & regulations published**
2. Formulation of recommendations on environmental regulations (CNR): **:report published**
3. Strategy for engagement and adoption of the recommendations (VITO): **:report to come**

○ Technical proposal

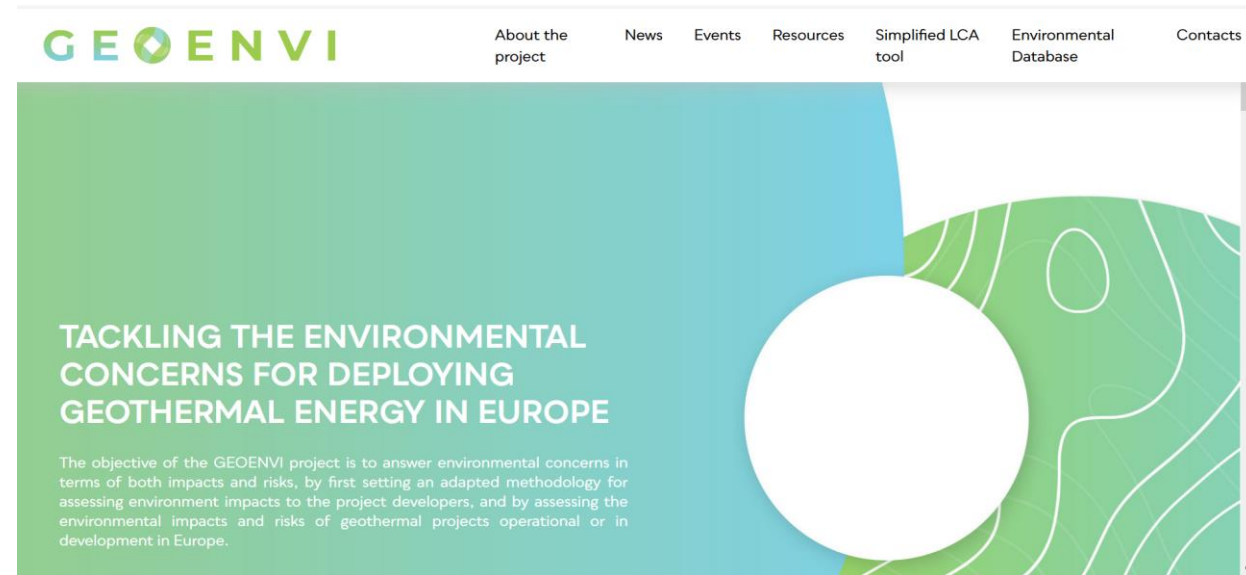
WP 5: ENGAGE MARKET ACTORS, COSVIG

1. Geothermal market actors mapping (GEORG): **report published**
2. Towards the adoption of the recommendation for European life cycle assessment approaches, and environmental impact methodologies of geothermal (OS): **training seminars**
3. Stakeholder involvement: adopt the tools (COSVIG): **online web-based platform for stakeholders**

○ Technical proposal

WP 6: COMMUNICATIONS, EGEC

1. Website
2. Brochure, e-news, video
3. Media Campaign
4. Events:
 - National workshops
 - EU Seminars
 - EU series of webinar





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