



Snapshot of the Implementation Working Group (IWG)


DEEP GEOTHERMAL


Emphasizing the role of deep geothermal energy in achieving climate neutrality



SET Plan Progress Report 2020

 6 Targets

 10 Activities

 77 Projects reported

 512 M€ reported

Joint
Research
Centre

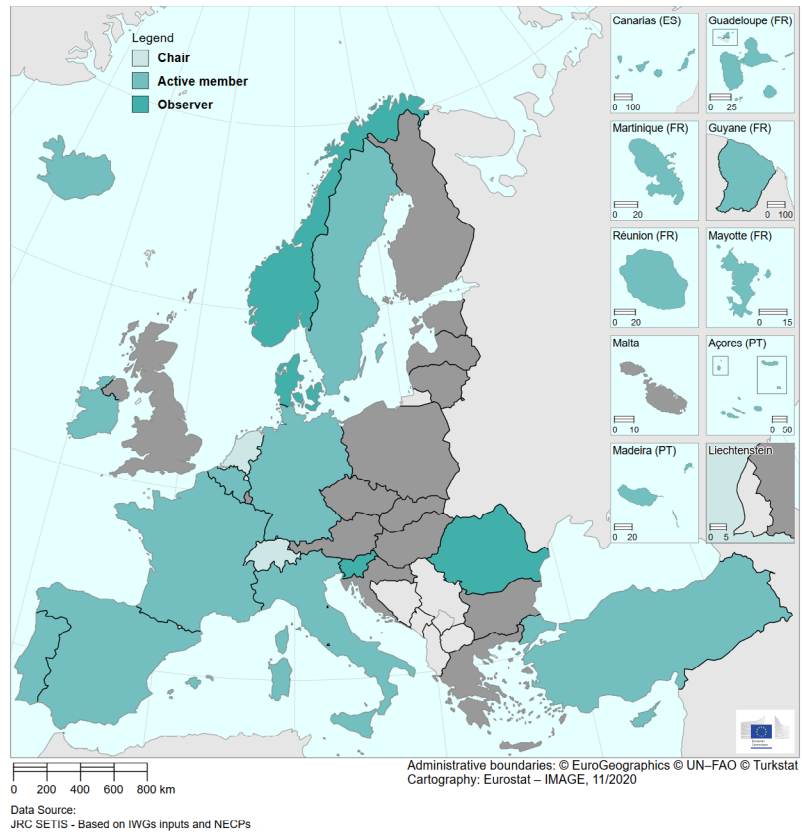


Figure 1 Composition of the IWG

Supporting the EU Green Deal

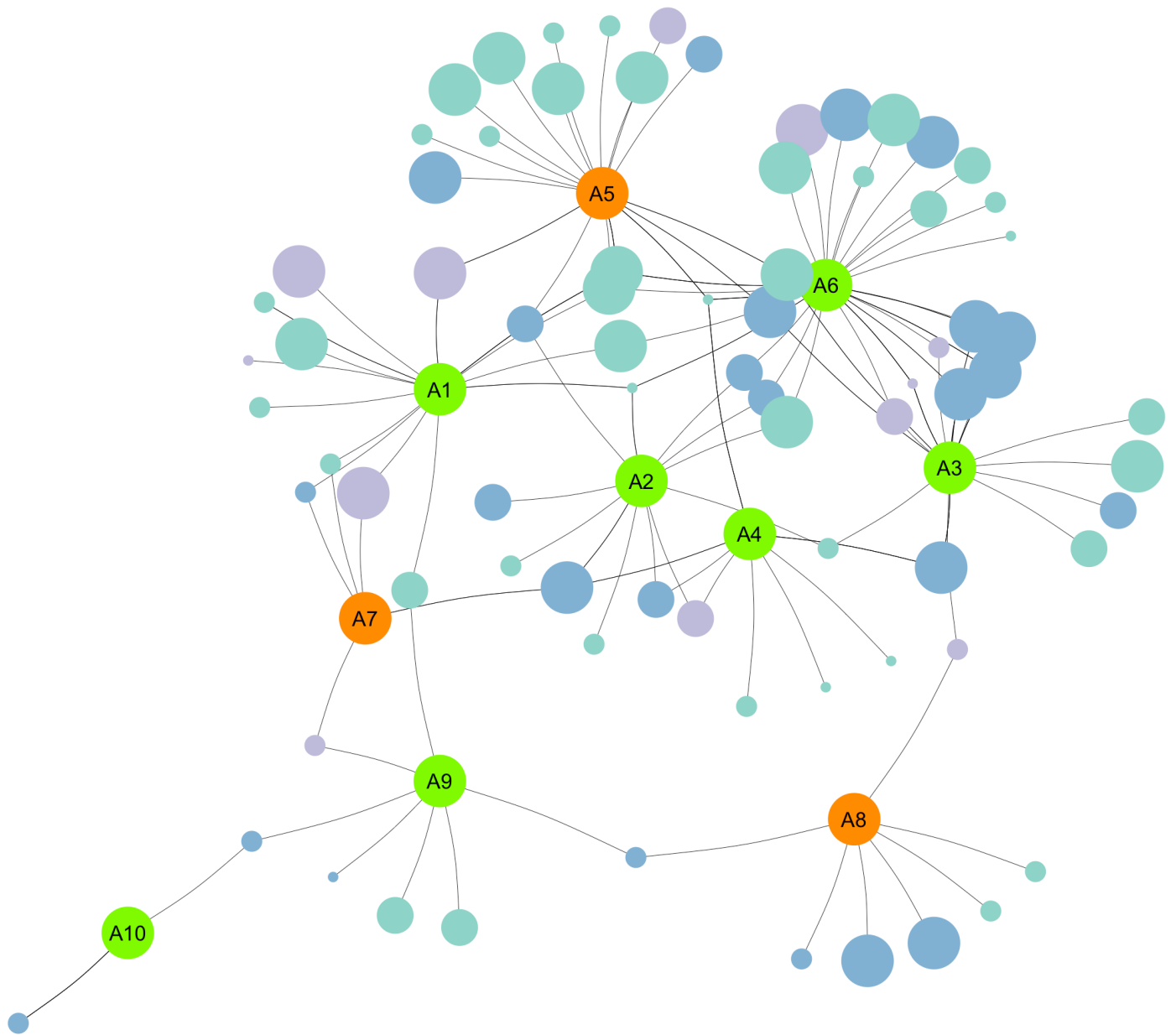
The Implementation Working Group has realigned a number of research & innovation activities, putting more emphasis on the role of geothermal energy for heating, cooling and subsurface storage, in alignment with the ongoing political developments. Taking in consideration the political priorities of the EU Green Deal, the Deep geothermal Implementation Working Group intends to introduce two new targets:

New Target 1: Establish procedures to ensure that the public and societal benefits are identified and pursued, communities (and/or citizens at large or stakeholders) concerns are evaluated and managed and progresses in the licensing procedure are achieved.

New Target 2: Demonstrate the technical and economic feasibility of geothermal heating, cooling and high-temperature storage in a flexible heating system; cover 5 % of demand in Europe by 2030 and 25 % by 2050.

Projects will need to address R&I activities A5 - *Exploration techniques (including resource prediction and exploratory drilling)*, A8 - *Zero emissions power plants*, and A7 - *Integration of geothermal heat and power in the energy system and grid flexibility*.

The full list of activities is available [here](#).



Funding (M€) ● <1(*) ● 1-2.5 ● 2.5-5 ● >5
 * budget not specified

● EU funded ● Transnational ● National

● Activities addressed by ongoing projects

● Activities addressed by projects expected to take-off in the near future

Figure 2 Status of activities

Areas for collaboration with the IWGs and beyond the SET Plan

The EU strategy for energy system Integration and the renovation wave strategy provide an opportunity to explore new collaborations and reinforce cooperation with Energy system and Energy efficiency in buildings Implementation Working Groups in developing integrated heating and cooling systems.

The IWG is involved in the International Energy Agency (IEA) geothermal technology collaboration programme (TCP), International Renewable Energy Agency (IRENA) global geothermal alliance, and international partnership for geothermal technology (IPGT).



Figure 3 Collaboration with the IWGs



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Note: The document is based on and elaborated strictly on the inputs received from the Implementation Working Group.

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