

SET Plan implementation

ETIPs' role



ETIP
Deep Geothermal

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A new SET Plan impetus with the ETIPs



**Smart Networks for
Energy Transition**



A new SET Plan impetus with the ETIPs

**Industry-led stakeholder fora
recognised by the European
Commission as key actors in
driving innovation, knowledge
transfer and European
competitiveness in their sector.
Transparent, independent and
self-financing entities**



Bioenergy

Ocean Energy



**Smart Networks for
Energy Transition**



European technology
Deep Geothermal
& Innovation Platform

SET Plan steps

DONE

SET Plan 10 Key Actions:
Communication published in September 2015

DONE

Setting targets: agreed through
'Declarations of Intent'

**ALMOST
DONE !**

Set-up of temporary Working Groups:
to prepare Implementation Plans

IN PROGRESS

Implementation Plans: to define R&I
Activities, Flagships, and monitoring mechanisms

**R&I Activities (mainly at Joint between
countries). At EU level only when there's a
clear added value**

Energy Union and SET Plan priorities

Energy Union R&I and competitiveness pillar	SET Plan 10 Key Actions	SET Plan Declarations of Intent / Working Groups
N° 1 in renewables	Develop highly performant renewables	<ul style="list-style-type: none"> • PV • Offshore wind • CSP • Ocean • Deep geothermal
	Reduce cost of key renewable technologies	
Smart EU energy system with consumers at the centre	Create new technologies and services for energy consumers	<ul style="list-style-type: none"> • Energy consumers • Smart cities and communities
	Increase the integration, security and flexibility of energy systems	<ul style="list-style-type: none"> • Integrated and flexible energy systems
Efficient energy systems	Increase energy efficiency for buildings	<ul style="list-style-type: none"> • Energy efficiency in buildings • Heating and cooling in buildings
	Increase energy efficiency in industry	<ul style="list-style-type: none"> • Energy efficiency in industry
Sustainable transport	Become competitive in the battery sector for e-mobility and stationary storage	<ul style="list-style-type: none"> • Batteries for e-mobility and stationary storage
	Strengthen market take-up of renewable fuels and bioenergy	<ul style="list-style-type: none"> • Renewable fuels and bioenergy
Carbon capture storage / use	Step-up R&I activities and commercial viability of CCS/U	<ul style="list-style-type: none"> • Carbon capture storage / use
Nuclear safety	Increase nuclear safety	<ul style="list-style-type: none"> • Nuclear safety

Temporary Working Groups: Partnerships between countries and ETIPs

■ Composition

- **SET Plan countries (1 or 2 chairs)**

- Committed to use their energy R&I national programmes and policies to implement some of the R&I activities
- Preferably interested in developing and pursuing joint research with other SET Plan country(ies)

- **Stakeholders (1 co-chair)**

- Experts from ETIPs (where they exist), EERA, public-private partnerships, etc. Preference to stakeholders with a budget that can be used to roll-out the Implementation Plan and to those having provided inputs to the Issues Papers or during the Integrated Roadmap

- **EC to support the work
(e.g. SETIS as a knowledge sharing instrument)**

- ***Max. ~30 members***

Temporary Working Groups: Country membership state of play



ETIPs are crucial to the SET Plan

- **Within the WG, they support the identification of**
 - **Additional R&I activities needed to reach the targets**
 - Max. 10 per Implementation Plan
 - **Ongoing R&I activities**
 - When clearly contributing to the targets, ongoing activities (national / EU / industry) need to be identified
 - **Non-technological barriers and enablers**
 - **Monitoring mechanisms**
- **Cover the whole innovation chain**
- **Mobilise the relevant stakeholders**

Role of SET Plan countries in ETIPs

■ Country representatives in ETIPs

- **Must be Government representatives or nominated by the Government, and cannot represent a stakeholder**
 - Public research bodies for example should be treated as stakeholders
 - New country representatives in ETIPs are nominated/validated by the SET Plan Steering Group

■ ERA-Nets

- **Joint R&I activities between countries**
- **ERA-Net actors and ETIPs need to cooperate closely**

Implementation Plan

■ Funding

- **Main source: National level (e.g. Governmental funding, stakeholders' funding, or a combination of both)**
- **When there's a clear EU added value: by EU sources, provided that R&I activities are commensurate with relevant policies endorsed by the EU legislative bodies and with the mandate of the EC**
- **Joint R&I activities between SET Plan countries (with or without EU funds) should be an important dimension of the Implementation Plans**

According to the EC Implementation Plan template, the WG needs to specify who will implement what, with which resources, and when. This is a critical aspect as, in many cases, a selection of R&I activities has already been done e.g. by ETIPs.