



THE EU FRAMEWORK PROGRAMME  
FOR RESEARCH AND INNOVATION

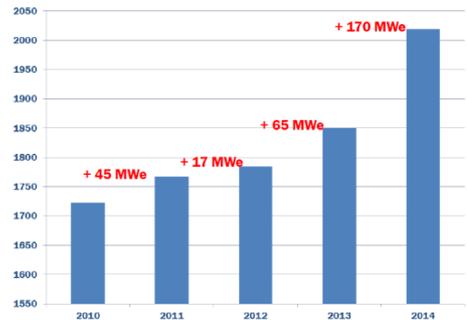
## ETIPs and the SET-Plan



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# Positive developments & growth in the geothermal sector

## Summary of Key Conclusions Electricity



Cumulative Installed capacity in Europe – 2010-2014 (MWe)



- *EC support to Geothermal Energy R&I*
- **FP6 + FP7: ~49 M€;**
- **H2020:**  
**2014-15 Work Programme: ~70 M€**

## Geothermal Projects funded (M€)

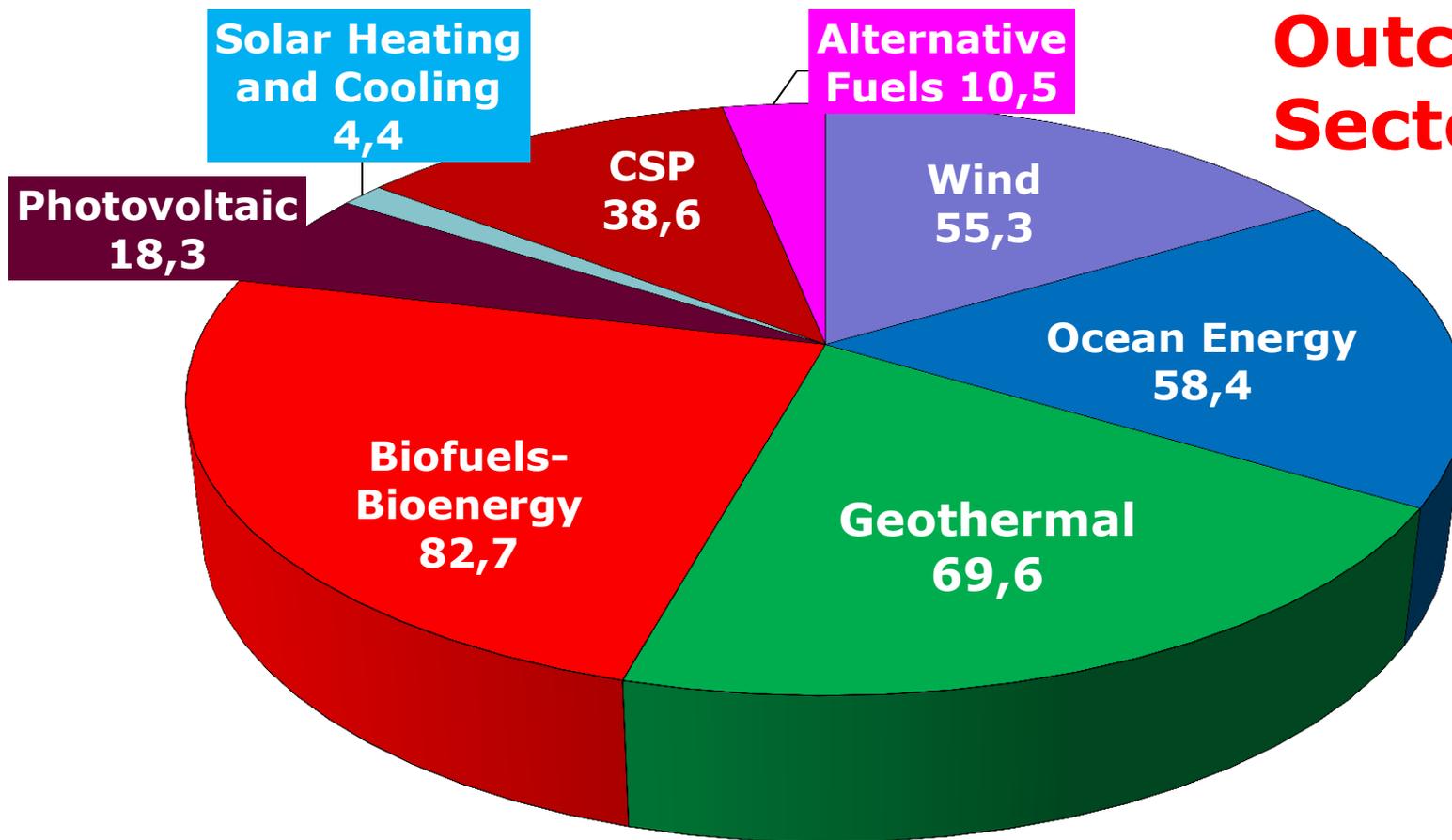
2014 24,1

2015 45,6

**Total 69,6**

# R&I in Renewables: Work Programme 2014-2015

**Outcome by  
Sector (M€)**



# Feb 2015: Energy Union

## Energy Union: 5 Pillars

- 1. Energy security, solidarity and trust*
  - 2. A fully integrated European energy market*
  - 3. Energy efficiency contributing to moderation of demand*
  - 4. Decarbonising the economy*
  - 5. Research, Innovation and Competitiveness*
- ⇒ the Strategic Energy Technology Plan (SET Plan) as a key implementing pillar



# Sept 2015: a new impetus given to the SET Plan

- **A key innovation pillar of Energy Union**
  - **To accelerate the European energy system transformation**
- 

↪ **A more targeted focus**



↪ **A more integrated approach**

↪ **Towards prioritisation**

↪ **A new SET Plan management:**

- **results-oriented**
- **wider range of stakeholders involved**
- **increased transparency, accountability, monitoring of prog knowledge sharing**

**(via SETIS Strategic Energy Technology Information System).**





# More focused & integrated priorities

## Energy Union Priorities

## SET Plan Ten Key Actions

### 4 Core priorities

No1 in Renewables

1. Performant renewable technologies integrated in the system
2. Reduce costs of technologies

Smart EU energy system, with consumer at the centre

3. New technologies & services for consumers
4. Resilience & security of energy system

Efficient energy systems

5. New materials & technologies for buildings
6. Energy efficiency for industry

Sustainable transport

7. Competitive in global battery sector (e-mobility)
8. Renewable fuels



# More focused & integrated priorities

**Energy Union  
Priorities**

**SET Plan Ten Key Actions**

**2 Priorities for interested Member States**

**9 Driving ambition in  
carbon capture storage and use deployment**

**10 Increase safety in  
the use of nuclear energy**



# The SET Plan Actors

## European Commission & Countries

[EU28 + CH, IS, NO, TR]

- **Steering Group / Bureau**
- **Joint Actions Working Group**



## Stakeholder platforms

- **European Technology and Innovation Platforms (ETIPs)**
- **The European Energy Research Alliance (EERA)**
- **Others e.g. European Public-Private partnerships Fuel Cells & Hydrogen, Bio-based Industry, Energy Efficient Buildings, Sustainable process Industry)**



# SET Plan Prioritisation

## For each of the 10 Key Actions

- 1. A few R&I targets proposed by the EC from the Integrated Roadmap**
- 2. Large consultation (Stakeholders/Member States)**
- 3. *Agreement on a limited set of targets ('Declarations of Intent')***

## → Next step – Implementation

via EU & national programmes, industry,  
European Investment Bank – private  
investors







## C. The SET Plan Actors

### European Technology & Innovation Platforms

#### *Industrial Pillar*

NEW

- Continuation of existing ETPs and EIIs in unified Platforms per technology.

- Recognised interlocutors about sector specific R&I needs

NEW

- **Composition – covering the whole innovation chain: industrial stakeholders** (incl. SMEs), **research organisations** and academic stakeholders, representatives of businesses, regulators, civil society and NGOs, representatives of MS

NEW

- Provide strategic recommendations to and input for the SET Plan Steering Group on the 10 priorities
- Role in the implementation