



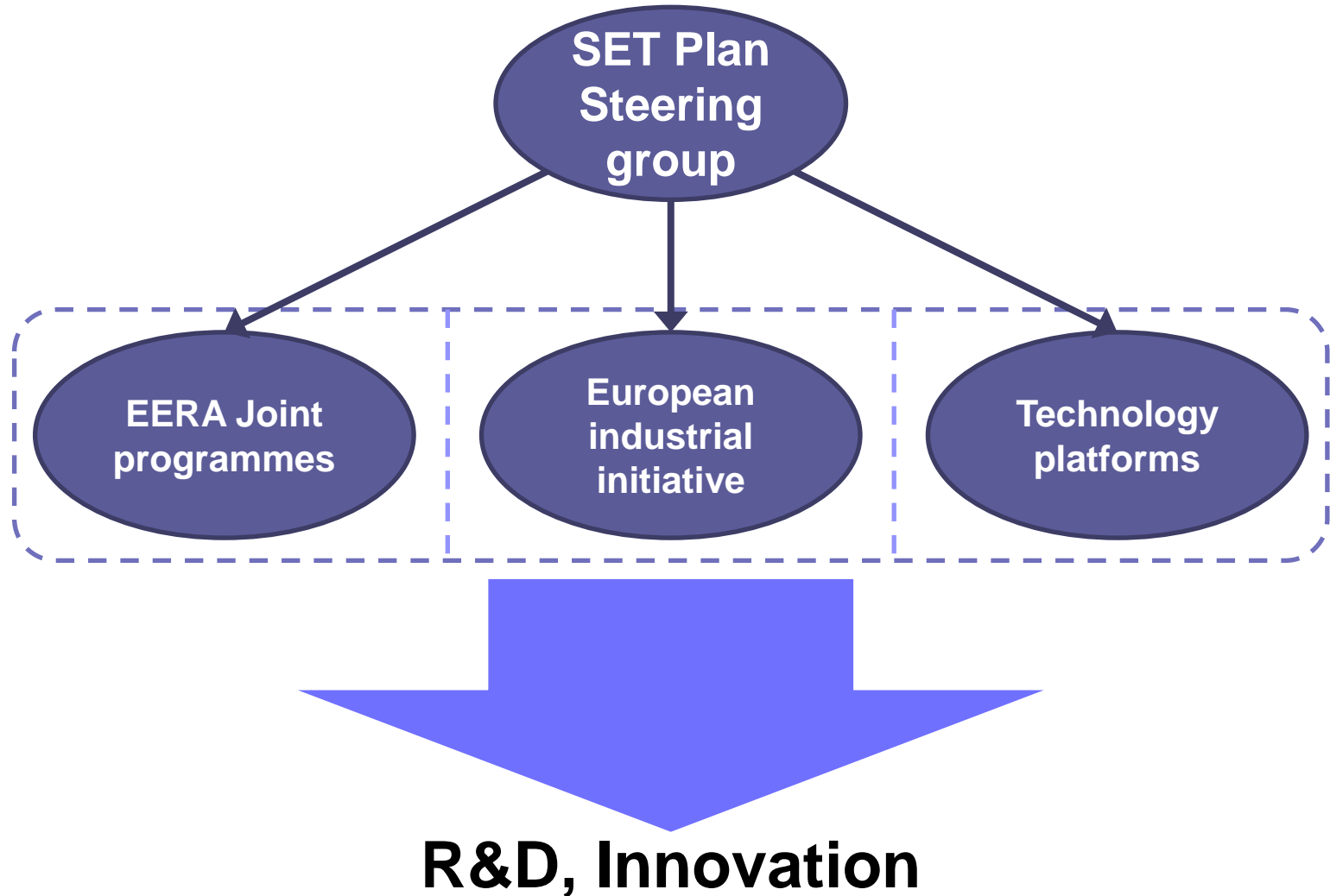
EERA CCS JP and Horizon2020

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What is European Energy Research Alliance?

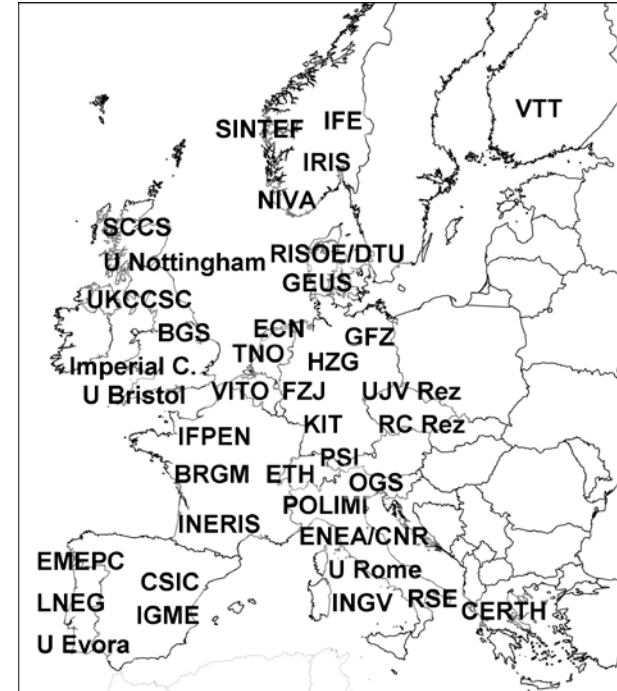
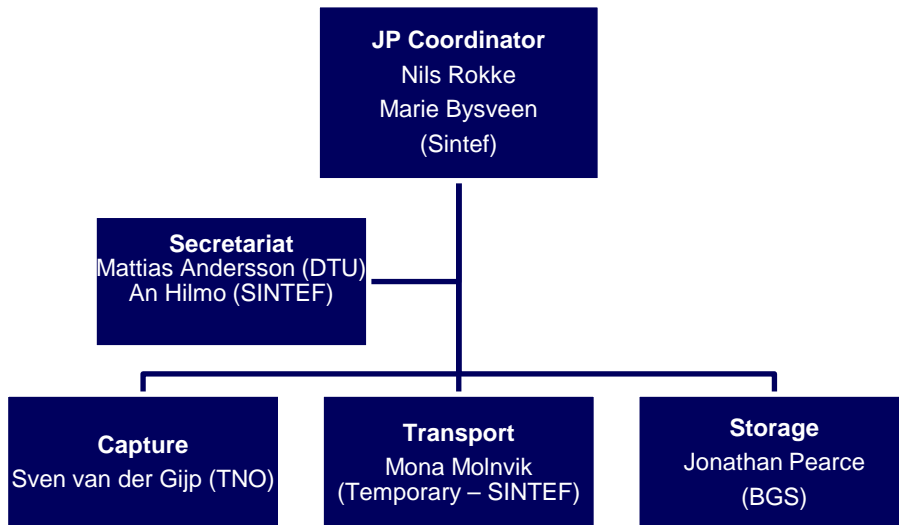
- EERA is a mechanism of the SET (Strategic Energy Technology) Plan
- EERA aims to
 - accelerate the development of energy technologies up to point of industry-driven research.
 - strengthen, expand and optimise EU energy research capabilities
- To achieve this, EERA streamlines and coordinates national and European energy R&I programmes
 - Via 15 Joint Programmes.
- Comprises leading organisations in energy research

Where EERA fits



The EERA CCS Joint Program

- Our vision:
 - EERA CCS shall be the European authority on CCS R&I. We are the European team of excellence in CCS R&I.



- Operating since 2010
- Comprises 36 organisations
 - 26 Partners (>5 person years pa)
 - 5 organisations currently applying to join

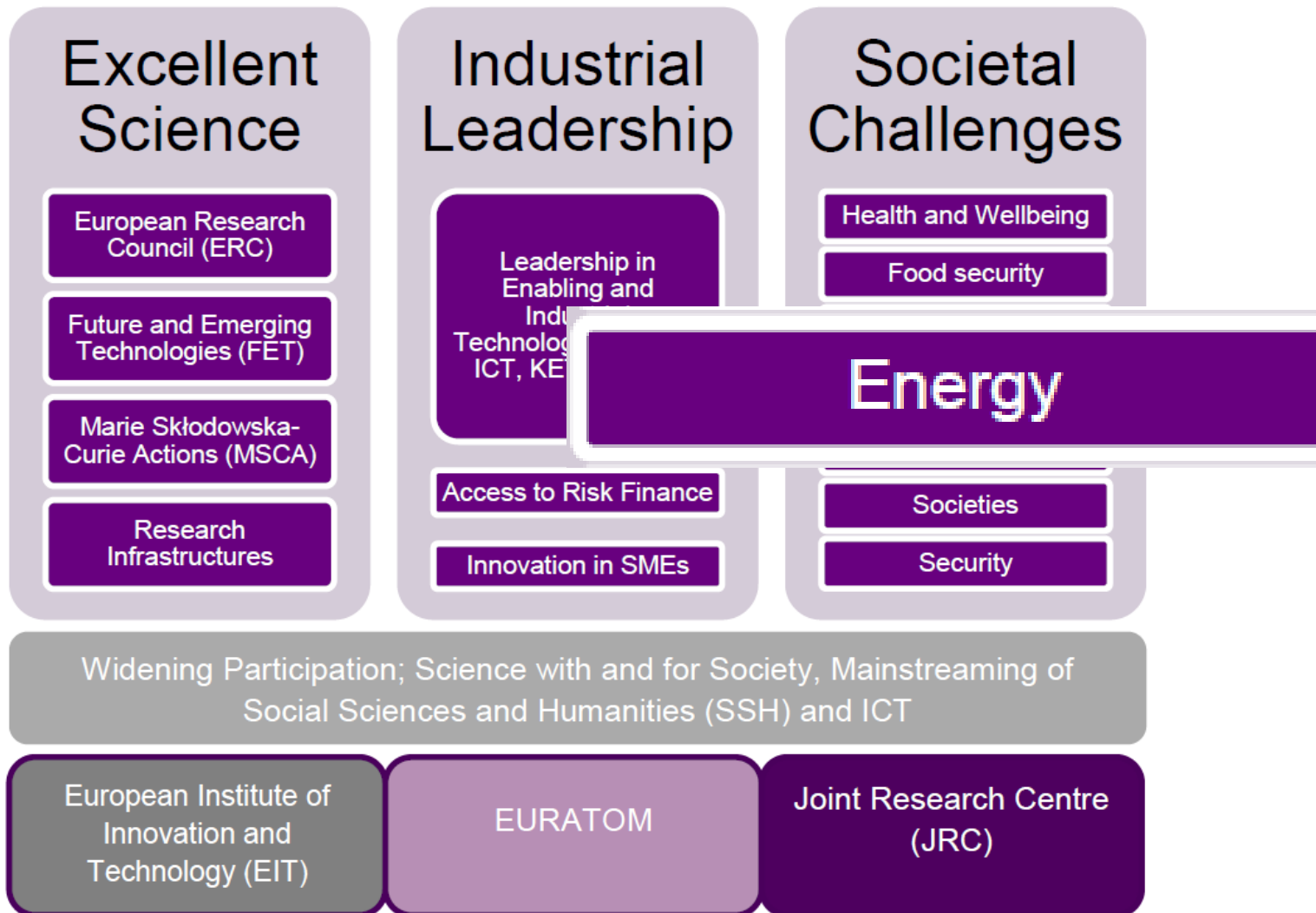
EII Implementation Plan

- To initiate a CCS demonstration program.
- Launched in 2010 with review & refresh in 2013.
- Developed by EC (DGs Energy & Research), ZEP and EERA
- EERA responsible for drafting R&D priorities but strong ZEP input
- Approved by SET Steering Group on 30th July
- R&D Priorities set out in 5 page annex

EII Implementation Plan

- Supporting the EU CCS demonstration programme
- Reducing the costs of CCS through innovative R&D
 - CO₂ capture: optimise first-generation technologies and advance next-generation
 - CO₂ transport: accelerate the development of CO₂ infrastructure
 - CO₂ storage: prioritise the development of large pilots
 - Develop a European storage atlas as a matter of urgency
 - Explore the potential of CCUS to advance deployment
- Establishing the commercial framework for CCS
- Increasing public awareness of the societal benefits
- Maximising the potential of CCS via European and international collaboration

Horizon 2020





- *Health warning: the following is not definitive nor based on official documents. It is based on discussions with DG Research and other sources*
- CCS is included in Horizon 2020, recognising contributions to both power and industrial sectors
- Budgets and programme still being discussed
 - Energy Prog. Committee meetings schedules for September, October and November
- Challenge-based rather than solution-specific
- 1st calls in H2020 scheduled for January 2014?

Upcoming EERA activities

- Formation of Executive Committee to enable rapid responses and decision-making
- ESFRI roadmap & gap analysis with ECCSEL
- Strategic research agenda
- New IRP call (Integrated Research Project) for CCS?
- Real pilot EERA projects

Strategic Research Agenda

- Aims to
 - Influence H2020 and MS R&D funding
 - Continuity to current R&D programmes
 - Give EC a consistent priority plan
 - Prioritise key scientific and technical issues
 - Communicate R&D needs to EC and member states
- Workshop planned to coincide with ZEP AC meeting, Copenhagen – Early October but to be confirmed
- Will be informed by ZEP's LTRD plan and EII Implementation Plan, and UKCCSRC's RAPID but will be specifically from EERA CCS JP



European Energy Research Alliance (EERA) CCS Joint Programme

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