



UNIVERSITIES IN THE SET-PLAN

MOBILISING THE RESEARCH, INNOVATION AND EDUCATIONAL CAPACITIES OF EUROPE'S UNIVERSITIES IN THE SET-PLAN

## The European Platform of Universities in Energy Research & Education and the SET-Plan

**Professor Torbjørn Digernes, Chair of the EUA-  
EPUE and the UNI-SET Steering Committee; NTNU  
Former Rector**

**Trondheim, 25 February 2016**



# UNI-SET project

- ✓ **ACRONYM:** UNIversities in the SET-Plan  
Strategic Energy Technology (SET) Plan
- ✓ **AIM/ OBJECTIVES:** Provide a platform and information for  
Mobilising the research, innovation and educational capacities of Europe's universities in the **SET-Plan**

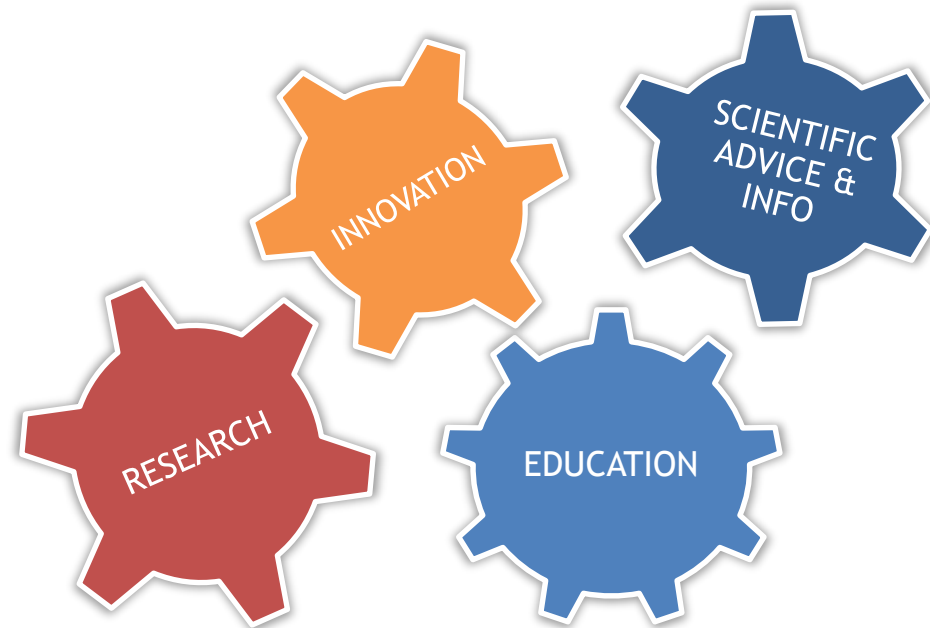
RESEARCH

EDUCATION

INNOVATION

# The motivation for UNI-SET and the European Platform of Universities in Energy Research & Education (EUA-EPUE)

## The role of universities



- Unique combination of roles of universities in the transition to a sustainable energy system
- Skilled people will be key to enable the transition
- Education in a vibrant research environment including:
  - ✓ innovative applied research
  - ✓ industry involvement
  - ✓ used-inspired basic research
- Only universities can offer this combination

## The UNI-SET project (2/2)

- **Duration:** Sept. 2014 - Aug. 2017
- **Consortium:**
  - ✓ **European University Association**, main beneficiary/coordinator (80 % share)
  - ✓ **KU Leuven** (project partner) representing the universities in KIC InnoEnergy (20 % share)



- **Funding:** European Union, as an **FP7** Coordination and Support Action



**EUA**

European University Association

Project Coordinator



Project Partner

Third Party Consortium

Grenoble Institute of Technology (INP)

Jagiellonian University (JU)

Karlsruhe Institute of Technology (KIT)

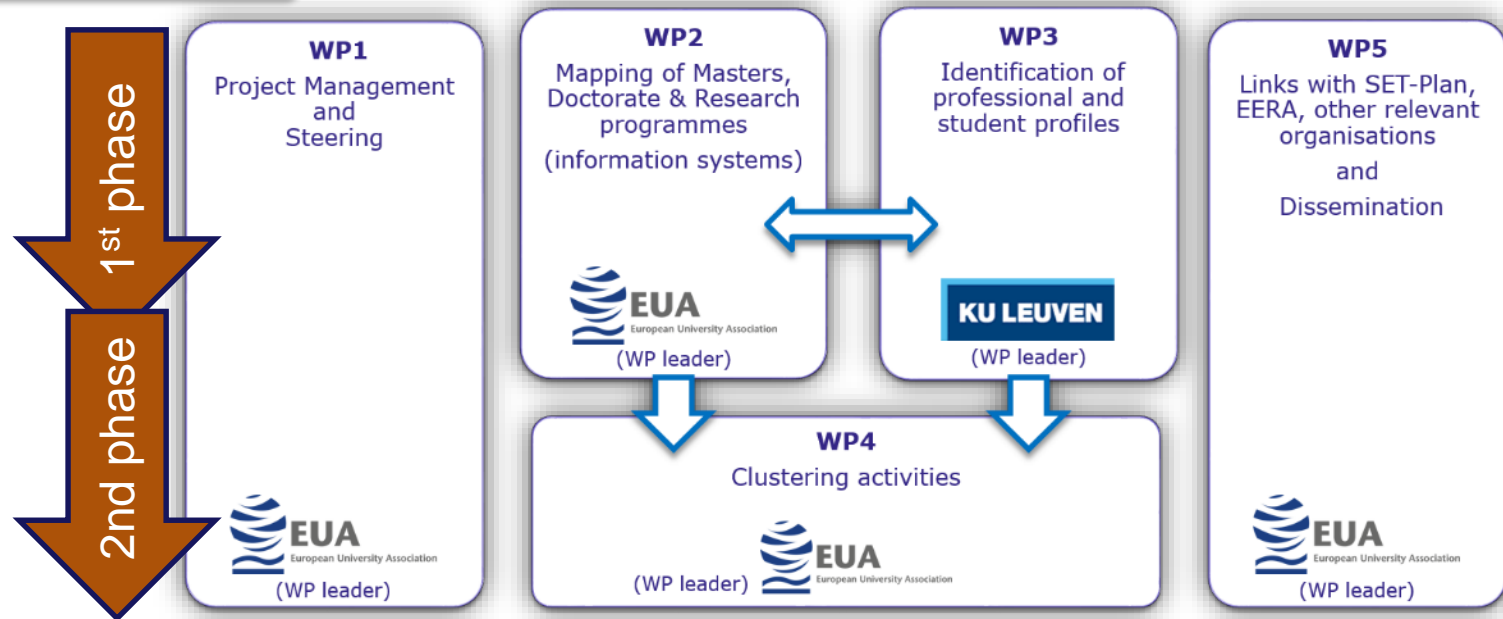
Royal Institute of Technology (KTH)

Polytechnic University of Catalonia (UPC)

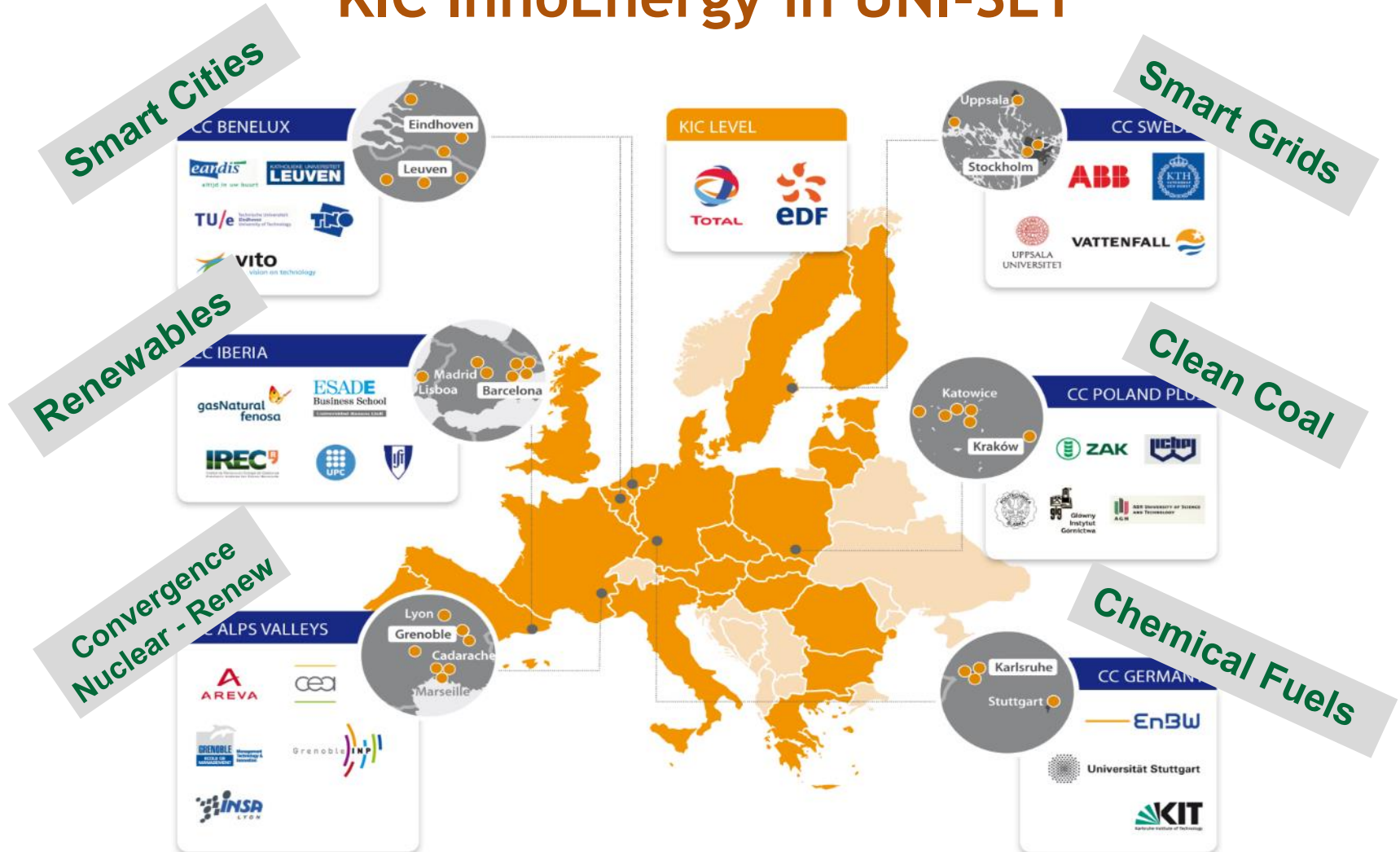


# UNI-SET: Work programme

Total of 36 months  
09/2014 - 08/2017

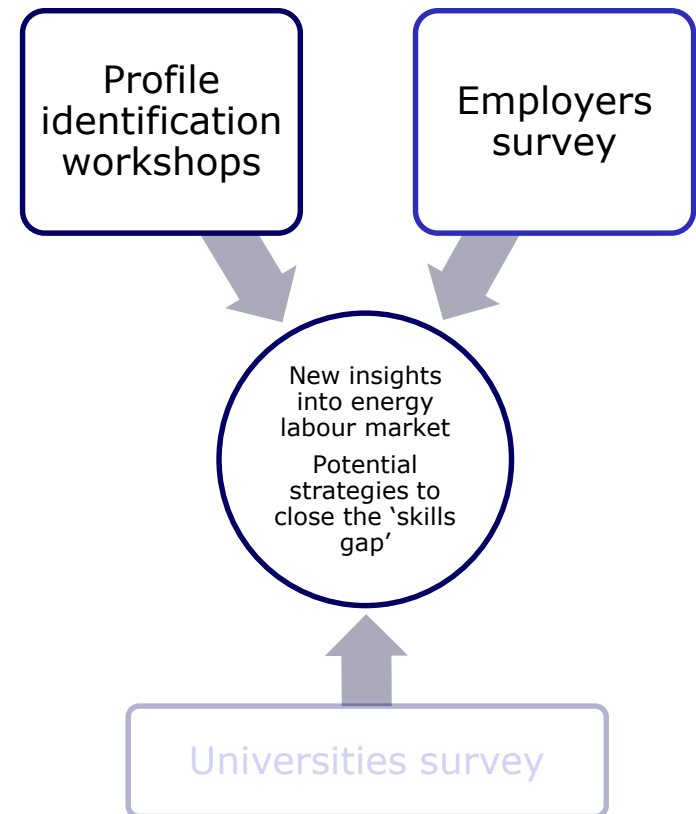


# KIC InnoEnergy in UNI-SET



## KIC InnoEnergy in UNI-SET

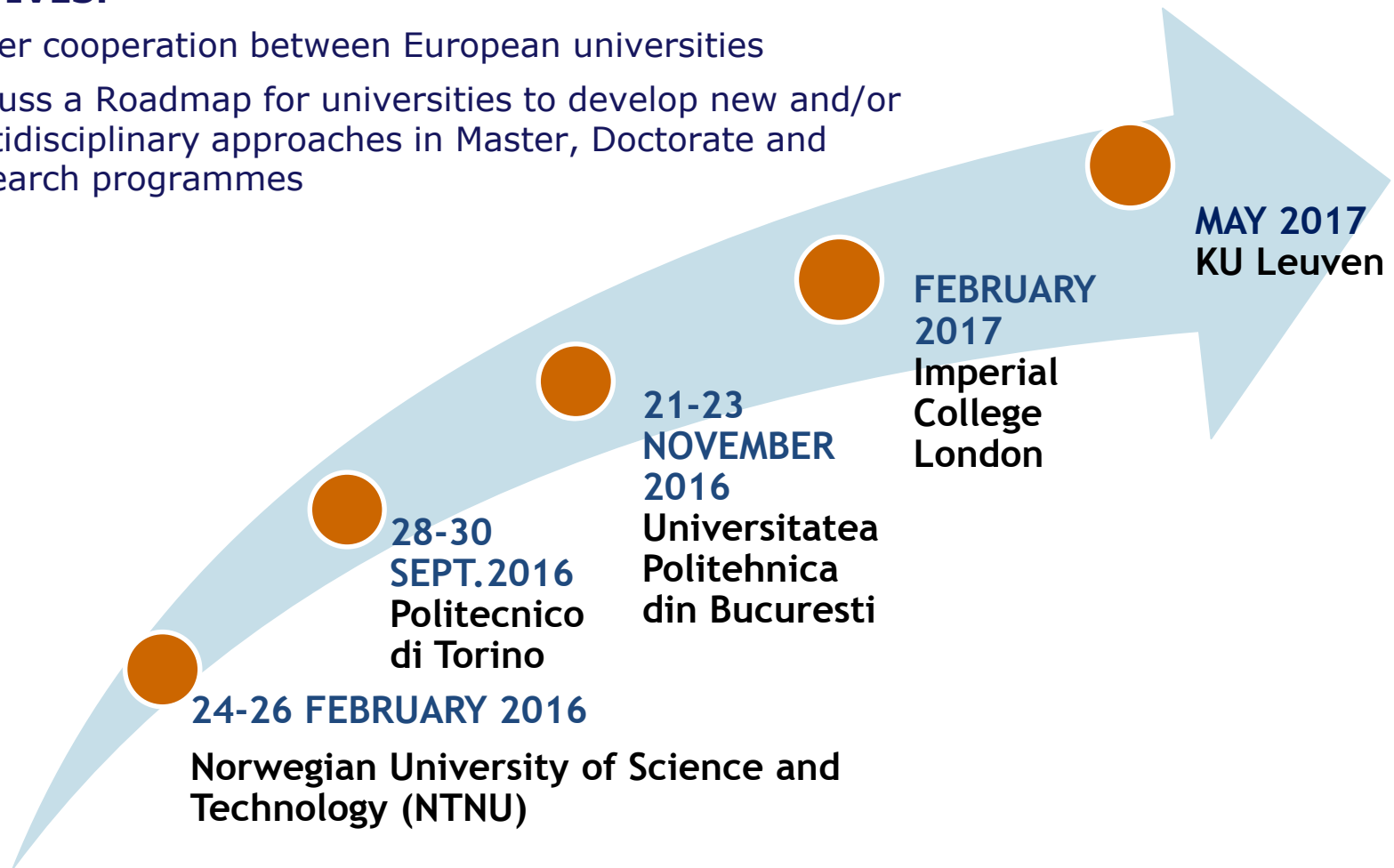
- Strong in university-business links and collaboration
- Contribution: identify skills and professional profiles in the energy field in six different thematic fields
- Taken together with the university mapping, UNI-SET will provide unique insights into current labour market requirements and education offered at universities



# UNI-SET Energy Clustering Events

## OBJECTIVES:

- Foster cooperation between European universities
- Discuss a Roadmap for universities to develop new and/or multidisciplinary approaches in Master, Doctorate and Research programmes







## The challenges to realise the EU energy objectives


- Research breakthroughs that can
  - I. improve the competitiveness of existing technologies
  - II. become the basis for innovations that offer new solutions
  - III. enable the required societal change
- Upgrade competencies in the existing work force to adopt new technologies for the overall benefit of society
- Develop new human talent that can strengthen the innovation processes
- Create scientific evidence-based policy-making
- Inform and engage civil society

# The Energy Union - Research & Innovation

- 
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 and reducing greenhouse gas emissions
  5. **Research, Innovation** and Competitiveness



Universities have the competences to address all of these priorities & are willing to contribute



# Thank you for your attention!

For more information go to



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