

# Energy Research in Europe – The Future Direction? Opportunities within Horizon 2020

*HRK, Strassbourg, 17 Jan 2012*

**Prof. Dr. Hans-Jörg Bauer**  
**KIC InnoEnergy**

KIT ENERGY CENTER



## 2014 – 2020: Horizon 2020 1/2

- Focus on three major topics:
  - Excellent Science
    - Frontier research (ERC)
    - Collaborative research
    - Support of excellent young scientists (Marie-Curie)
    - Research infrastructures
  - Industrial leadership
    - Key technologies
      - ICT, nanotechnologies, advanced materials, biotechnology, advanced manufacturing, space
    - Access to VC
    - Innovation in SMEs

## 2014 – 2020: Horizon 2020 1/2

- Focus on three major topics (continued):
  - Grand societal challenges
    - Interdisciplinary (natural & engineering & social sciences)
    - Research and innovation
    - Topics:
      - **Secure, safe, clean & efficient energy**
      - Climate protection, resource efficiency, raw materials
      - Smart, green and integrated transportation
      - ...
- Sustainable development (35% of budget for climate action)
- Leading role of EIT to strengthen innovation in Europe
  - Integrating the knowledge triangle
  - **Operation through Knowledge and Innovation Communities (KIC)**



## KIC InnoEnergy

- Integrating key players from academia, research and industry
- Aligned with the SET plan (Sustainability)
- Organised and run like (as) a business
  - SE registered in the Netherlands
    - Executive board, chaired by a CEO
  - Structured in 6 Collocation Centers (CC)
  - Operating through a detailed business plan
  - Output oriented (KPI)
  - E, R, I organised as projects
- Linking Education, Research and Innovation:
  - Generating new business, turning research into products & services
  - Providing entrepreneurial skills and raising entrepreneurial spirit
  - Generating international mobility

# KIC InnoEnergy will bring innovation to the whole energy-mix coherent with the SET Plan

