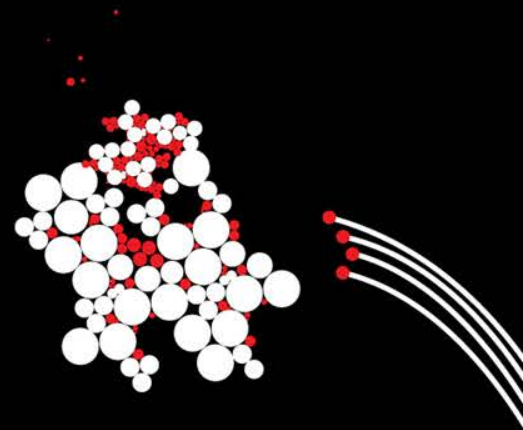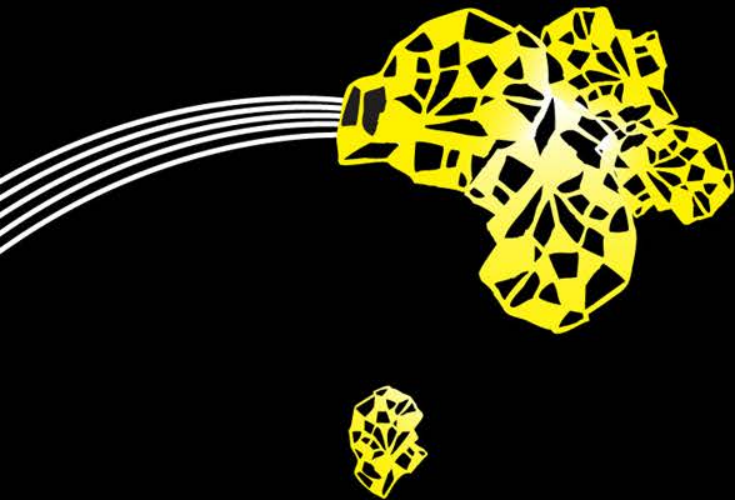UNIVERSITY OF TWENTE.

EU FUNDED ENERGY RESEARCH

FUNDING FOR ENERGY RESEARCH

20 – 20 – 20 TARGETS

The aim of EU energy policy is to ensure a safe, secure and sustainable energy supply at affordable prices. The policy is built around the EU's '20-20-20' targets, which have to be met by 2020:

- 20% reduction in EU greenhouse gas emissions compared to 1990 levels
- 20% of energy consumed in the EU from renewable sources
- 20% improvement in the EU's energy efficiency.

http://europa.eu/pol/ener/

SOCIETAL CHALLENGE IN HORIZON 2020

- Secure, clean and efficient energy

- Expected 5.8 € bn (20% of budget Societal Challenges)

- First drafts expected Summer / Fall 2013

SECURE, CLEAN AND EFFICIENT ENERGY

1. Reducing energy consumption and carbon footprint through smart and sustainable usage
2. Low-cost, low-carbon electricity supply
3. Alternative fuels and mobile energy sources
4. A single, smart European electricity grid
5. New knowledge and technologies
6. Robust decision making and public engagement
7. Market uptake of energy innovation, empowering markets and consumers
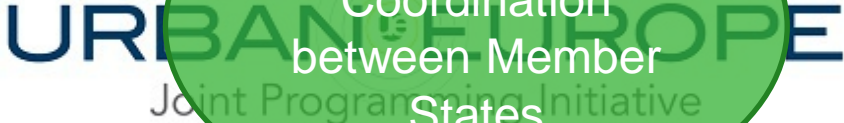8. Specific implementation aspects

EU CONTEXT

EIP/ETP: Setting Agenda

JPI: Coordination between Member States

Collaboration between experts

EUROPEAN INNOVATIVE PARTNERSHIP (EIP)

The European Innovation Partnership on **Smart Cities and Communities** (EIP-SCC) brings together cities, industry and citizens to improve urban life through more sustainable integrated solutions.

This includes applied **innovation**, better **planning**, a more **participatory approach**, higher **energy efficiency**, better **transport** solutions, intelligent use of **Information and Communication Technologies**

EUROPEAN TECHNOLOGY PLATFORMS (ON ENERGY)

Energy

Biofuels

FCH JTI

SmartGrids

TPWind

Photovoltaics

ZEP
SNETP

RHC

UNIVERSITY OF TWENTE.

EU CONTEXT

Its main aim is to coordinate research and make better use of Europe's public funds in order to:

- Transform urban areas to centres of innovation and technology
- Realise eco-friendly and intelligent intra- and interurban transport and logistic systems
- Ensure social cohesion and integration
- Reduce the ecological footprint and enhance climate neutrality

PROGRAMME

- Introductions on networking/ESEIA and Green Energy Initiative

- Short presentations on "European" competences participants

- Research topics in upcoming calls

- Positioning ourselves - strengths and weaknesses

- Wrap up