



Perspectives of the Research Grouping

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Outline

- The Research Grouping of the FCH JU
 - *Establishment*
 - *Role*
 - *Perspectives*



research on fuel cells & hydrogen

**“New European Research Grouping
on fuel cells and Hydrogen”**

Establishment

- The European Hydrogen and Fuel Cells Technology Platform (HFP) proposed to create a Research Grouping of European non-profit public research organisations, universities and research centres:
 - ***covering all the fields of Research, Development and Innovation related to Fuel Cells and Hydrogen.***
- The task of establishing this grouping was assigned to Alain Bugat, Vice-Chair of the Hydrogen and Fuel Cells Technology Platform in 2006.
- A steering group was formed to build the initiative:

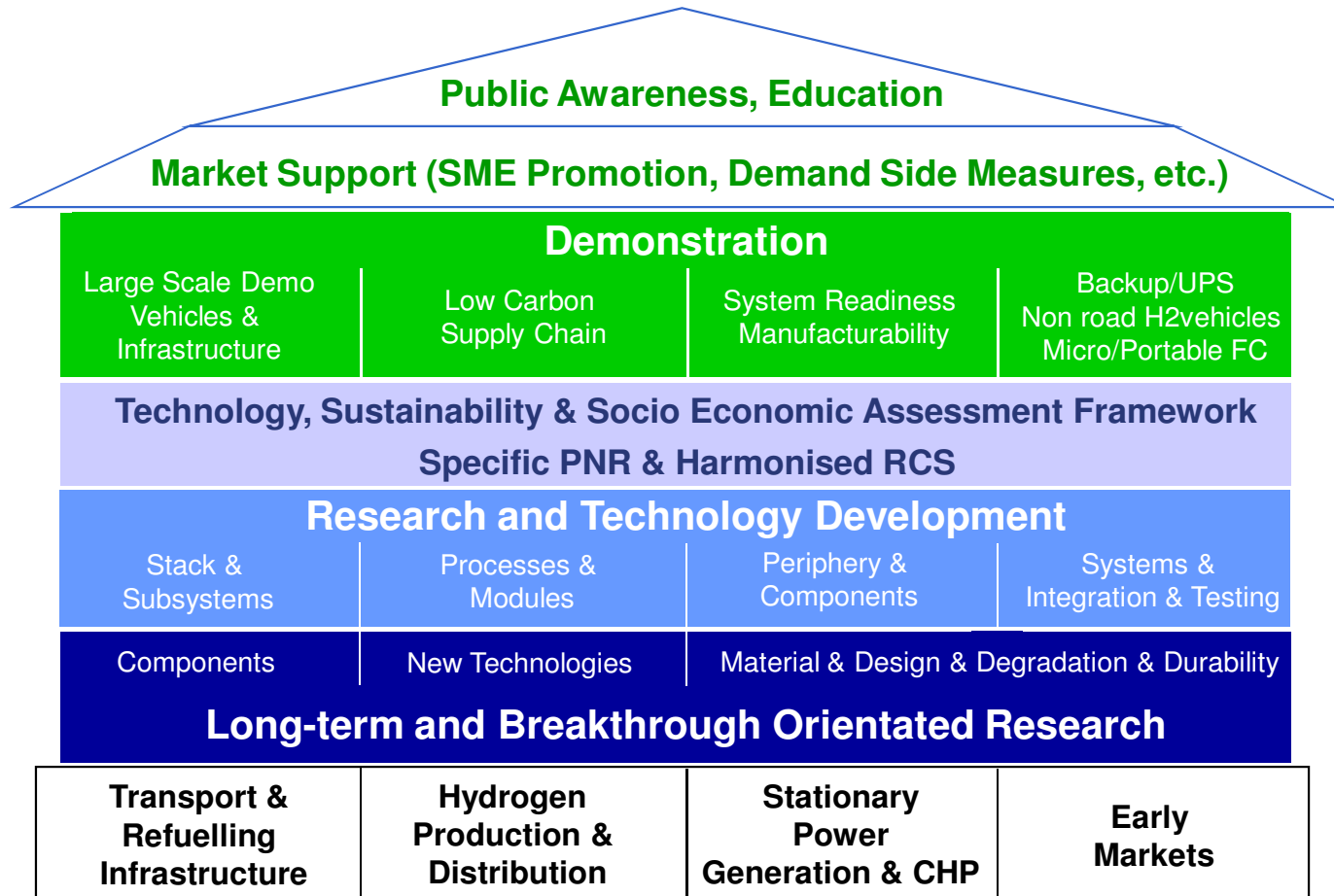


Establishment

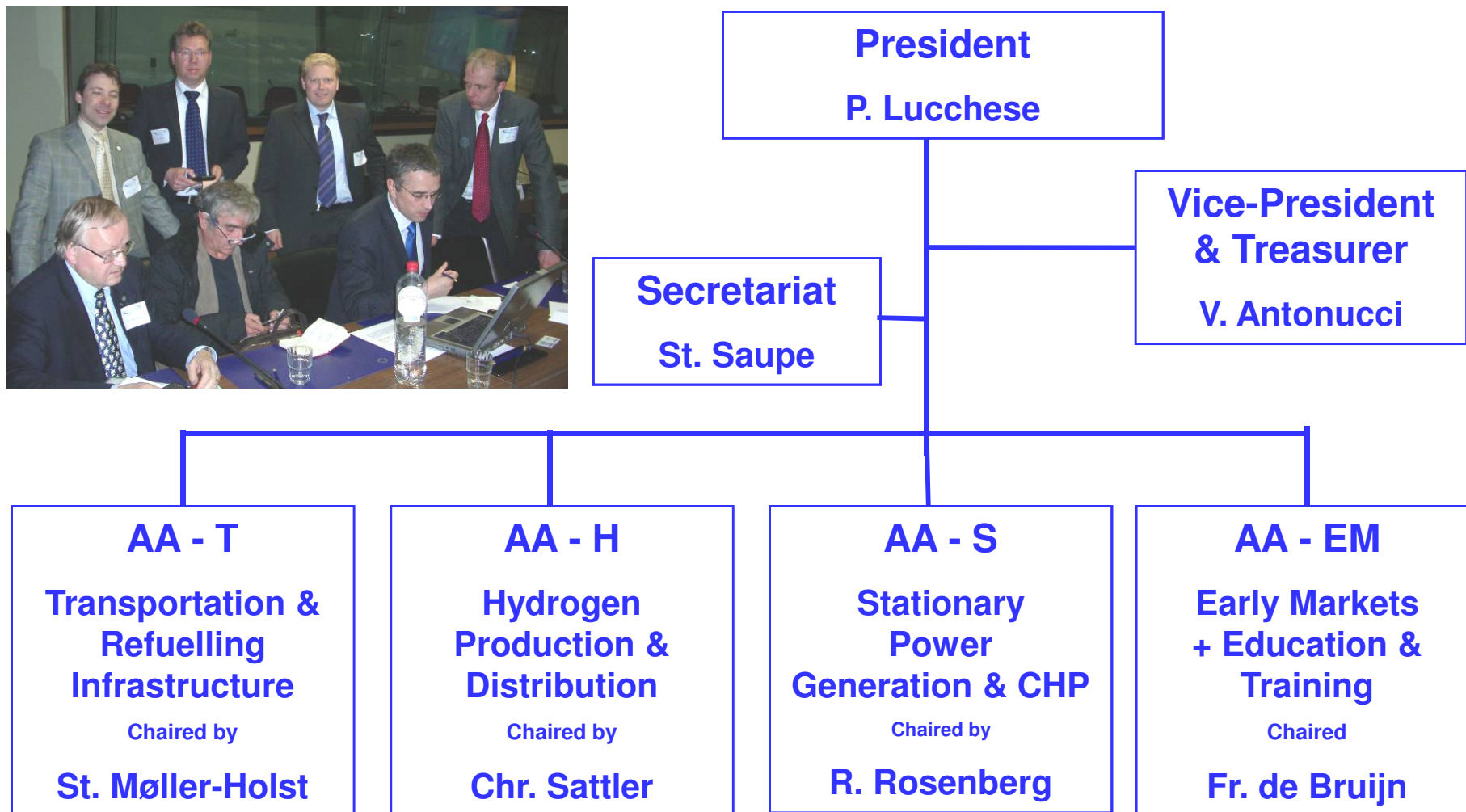
- **n.ERGHY** became fully operational in 2008
 - Constitutive General Assembly, March:
with 42 European Institutes and Universities
acting as founding members



The structure of the MAIP



The Executive Board of **n.ERGHY**



n. ENERGY members as of October 2008



CENTRE NATIONAL
DE LA RECHERCHE
SCIENTIFIQUE



CIDETEC
Centro de Tecnologías Electroquímicas
Centre for Electrochemical Technologies



CU TEC



UNIVERSITÀ DEGLI STUDI
DI SALERNO

Totalling: 57 members

~ 250 M€

>2000 researchers

Foundation
cidaut
Transport and Energy Research and Development



inasmets
tecnalia

PAUL SCHERRER INSTITUT
PSI

SINTEF



TU
Graz



RISO



cener
centro nacional de energías renovables
national renewable energy centre



UNIVERSITÀ
DEGLI STUDI
DI TORINO
ALMA UNIVERSITAS
TAURINENSIS



ENEA

GKSS
FORSCHUNGSZENTRUM
in der HELMHOLTZ GEMEINSCHAFT e.V.

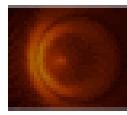
AVERE



Forschungszentrum Jülich
in der Helmholtz-Gemeinschaft



Nancy-Université



imdea
energy



AIJU Fundación it ma
CENTRO TECNOLÓGICO

Universitat d'Alacant
Universidad de Alicante



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA



cpi



The Centre for
Process Innovation



UH University of
Hertfordshire

CESI RICERCA



TEKNILLINEN KORKEAKOULU
TEKNISKA HÖGSKOLAN
HELSINKI UNIVERSITY OF TECHNOLOGY



Politecnico di Torino
research on fuel cells & hydrogen



EUROPAISCHES INSTITUT FÜR ENERGIEFORSCHUNG
INSTITUT EUROPÉEN DE RECHERCHE SUR L'ÉNERGIE
EUROPEAN INSTITUTE FOR ENERGY RESEARCH

fuel cells & hydrogen for sustainability

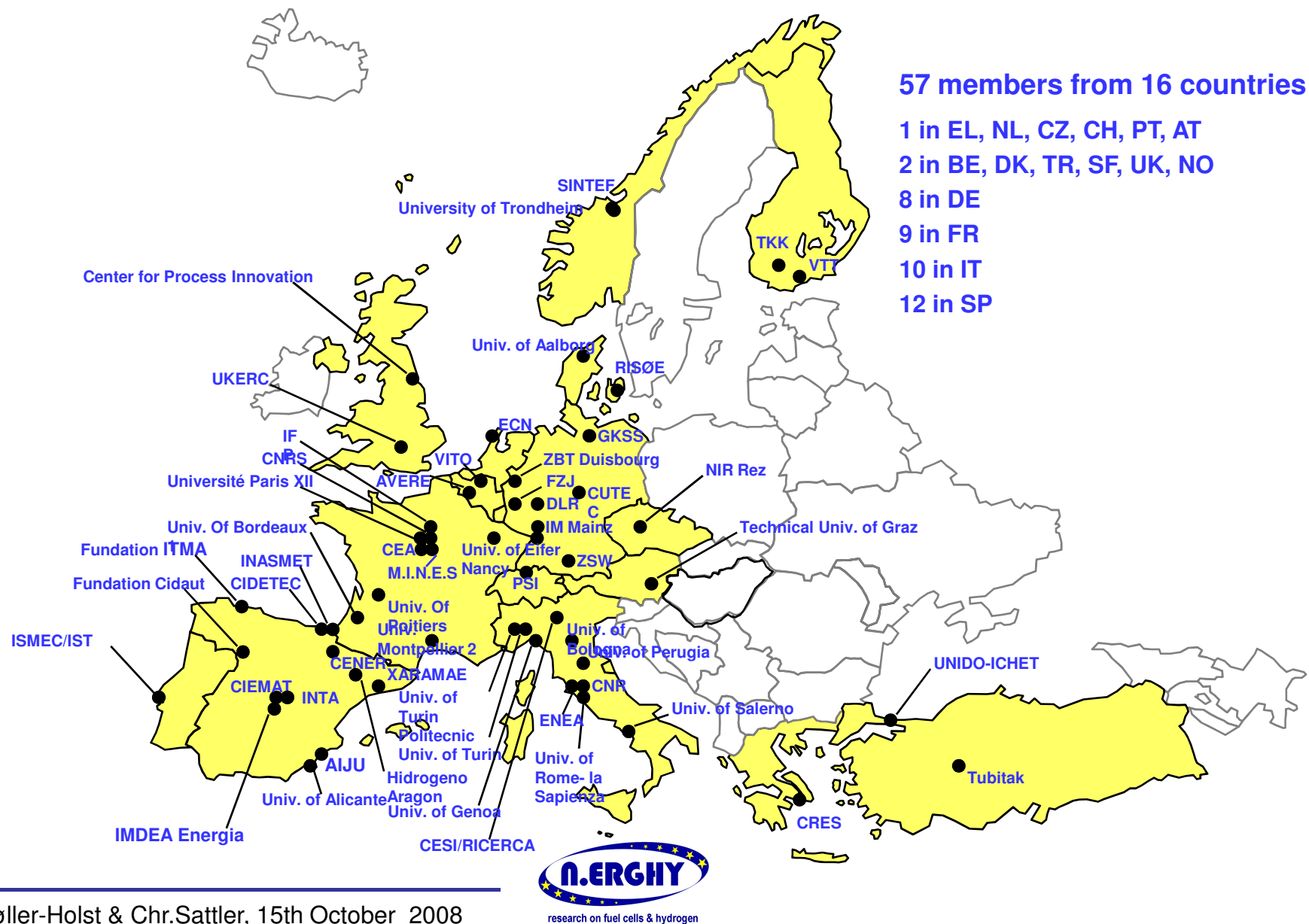


EUROPEAN COMMISSION

MANCHESTER
1824

SEVENTH FRAMEWORK
PROGRAMME

n.ERGHY members as of October 2008



Objectives of n.ERGHY

The Research Community aims at:

- **-*supporting, accelerating, and promoting***,
the development and deployment of hydrogen and fuel cell technologies in Europe.
 - in particular through participation in the respective FCH Joint Undertaking.
- developing the competences experienced scientists, PhD-students and Post Doc's.
- strengthening the European Research Area

View of **n.ERGHY** on FCH JU

- FCH JU is a tool to develop key technologies for a fast and sustainable market introduction
- Therefore it is clearly industry driven
- **n.ERGHY** is supporting this with bringing in competences by its members for the necessary research and technological development and where needed long term and break-through research
- For **n.ERGHY** the cooperation with industry is a true partnership not a competition

Role of n.ERGHY in FCH JU

- Support the development of a robust project portfolio for the FCH JU
- Contribute to developing
 - *Prioritisation criteria*
 - *Topics for the calls (AIPs)*
 - *Topics for the strategic program of the JU (MAIP)*in close collaboration with IG and EC
- Facilitate alignment with MS activities

Role of n.ERGHY in FCH JU

- Provide advise on a scientific level
 - *Needs for,*
 - *Long-term and Break-through research*
 - *Research and Technological development*
- Convey the opinion of the Research Community to the FCH JU through the representation in the Governing Board
- Promote high quality Education & Training
 - *As basis for recruitment of qualified personnel*

Role of **n.ERGHY** in FCH JU

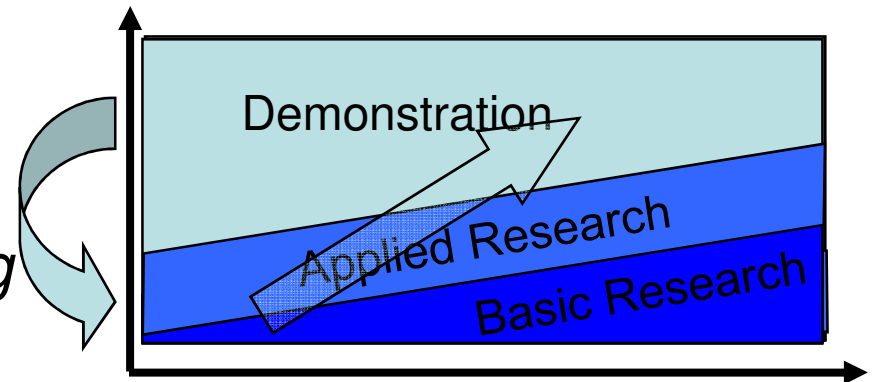
- While being instrumental in the definition of R&D priorities and
- potentially take an active role in facilitating meeting places (arr. Brokerage events),
n.ERGHY shall neither:
 - *have the responsibility to*
 - *establish consortia*
 - *write project proposals nor*
 - *intervene with the evaluation process*

n.ERGHY's Perspective

- Research is the MAIN tool to be competitive and provide the required break-through
- The European Research Community has the knowledge and critical mass to
 - *advance technologies and overcome obstacles for realizing a hydrogen oriented economy*
 - *significantly strengthen Europe's competitiveness*

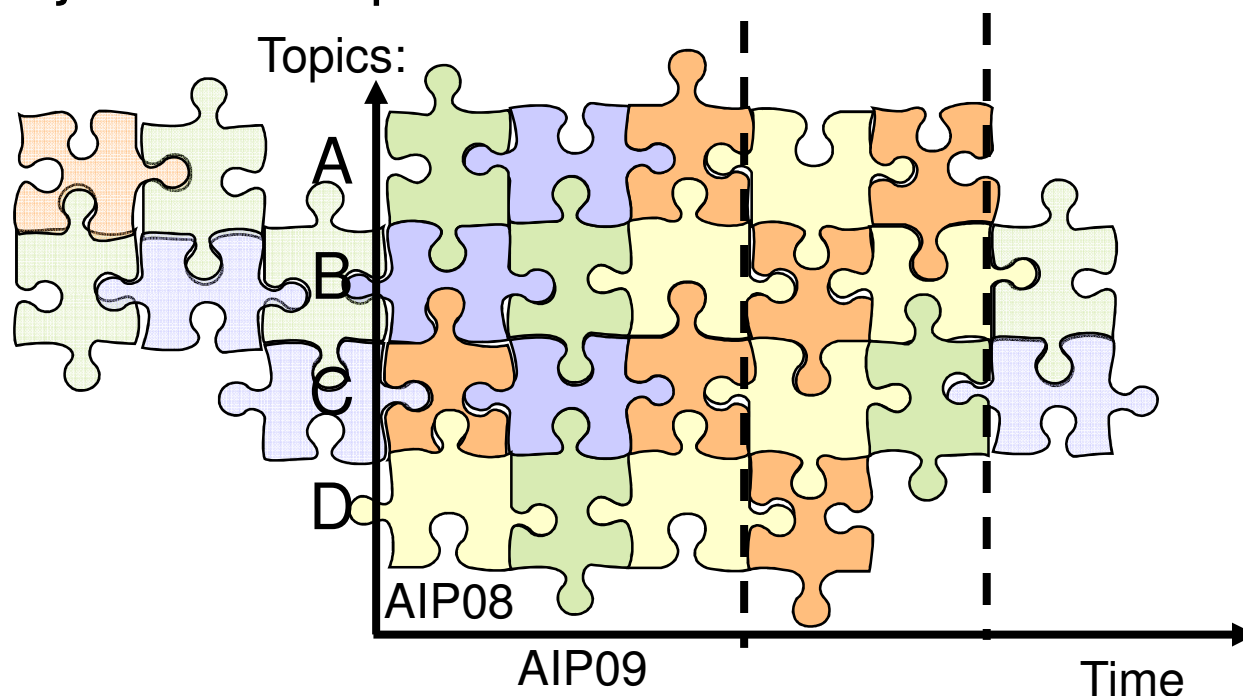
N.ERGHY's Perspective

- To be able to take advantage of results, more Research at early stage
 - *Create the basis for*
 - *new developments*
 - *break-through technologies*
 - *Fundamental understanding*
- Follow up on Demonstration activities
 - *Facilitate feedback (learning)*
 - *Foster establishment of SMEs*



n.ERGHY's Perspective

- Adjust the map to the terrain and not vice versa



- Avoid fragmented and uncoordinated research activities that will fail to deliver the required quality of results

Concluding remarks

- **n.ERGHY** welcomes the FCH JU and sees this as an unique opportunity to strengthen the European competitiveness and accelerate the market readiness of fuel cells and hydrogen
- Despite diverging interest (IG vs. RG), **n.ERGHY** believes that we will succeed in our joint effort of the FCH JU
- We're facing a giant responsibility in safeguarding the efficient utilisation of public and private resources
- Our joint effort and common success is crucial and rely on a close collaboration (IG+RG+EC), as well as a high level of innovation.
- **n.ERGHY** is ready to take our share of the hard work...