



**European Hydrogen and Fuel Cell Technology Platform**

***EU HFP Cross Cutting Issues (IP XCI):  
Regulatory Activity , Codes and Standards for the  
HyConomy***

**HarmonHy Final Conference**

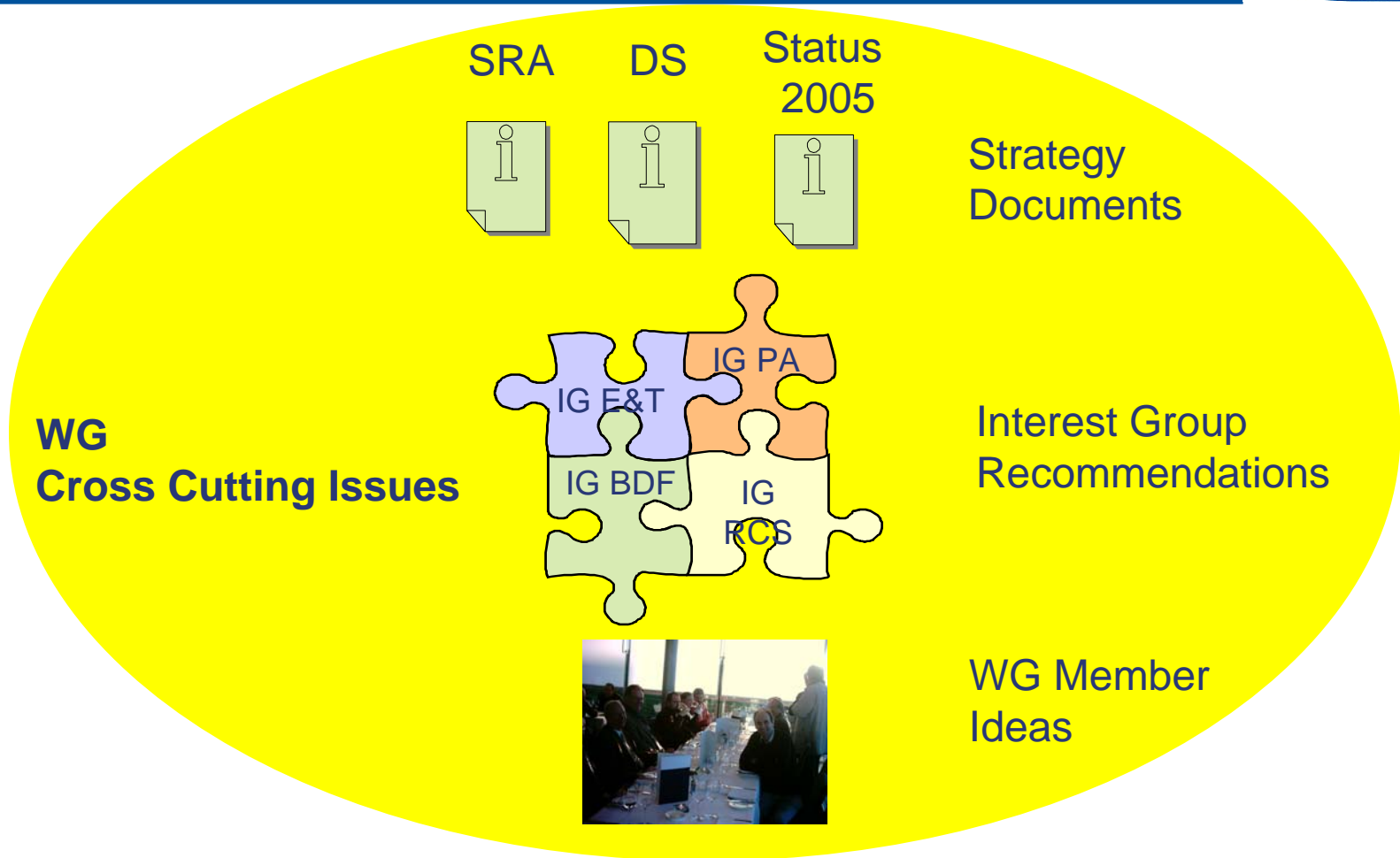
October 4, 2006

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WG XCI Leader

# Inputs





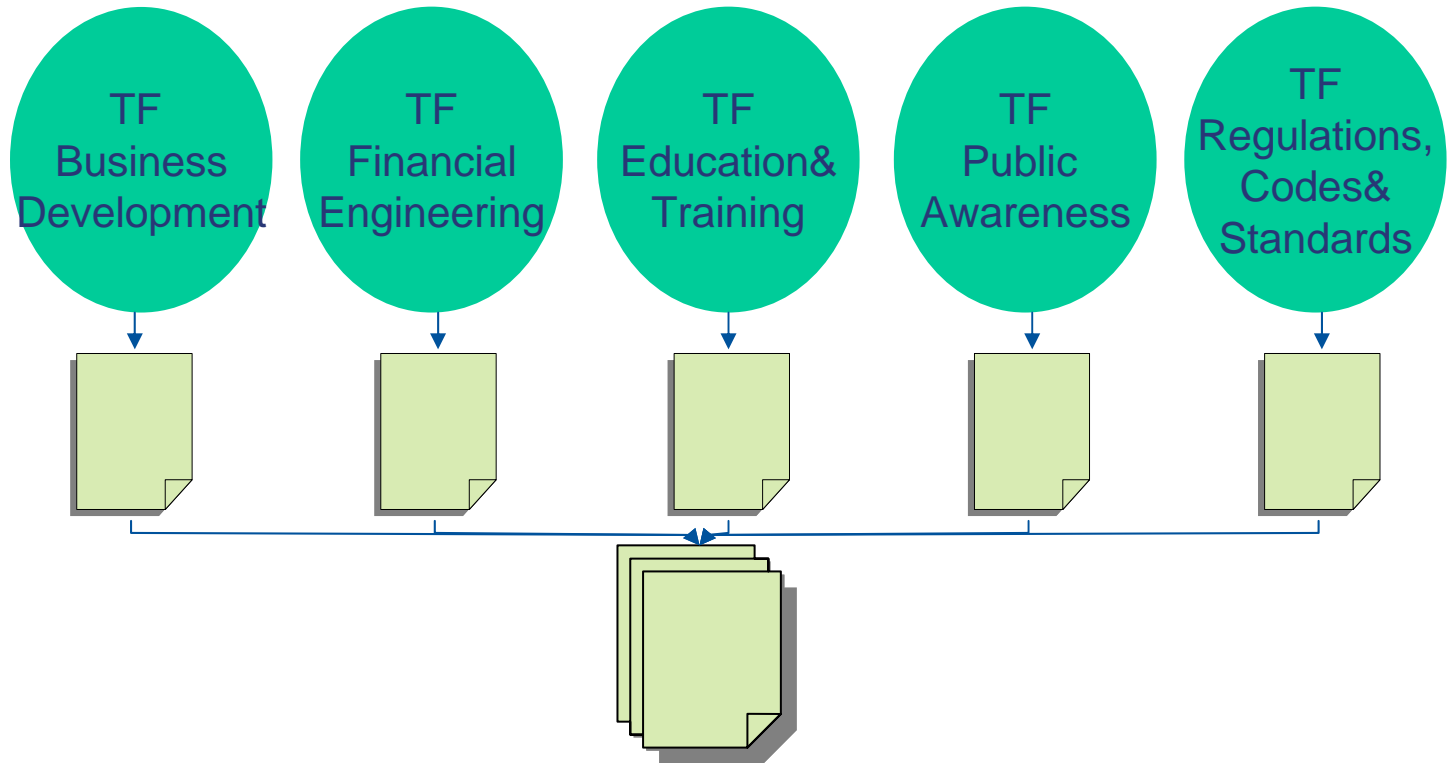
## Overall Organisation and Status

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- ✓ TF Financial Engineering
- ✓ TF Business Development
- ✓ TF Education & Training
- ✓ TF Public Awareness
- ✓ TF Codes, Regulations & Standards
- ✓ Cross Cutting Technologies acc. to SRA
- ✓ Recycling Issues

## Original Approach

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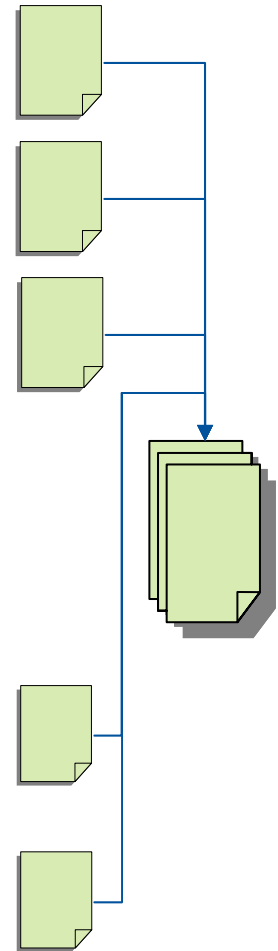
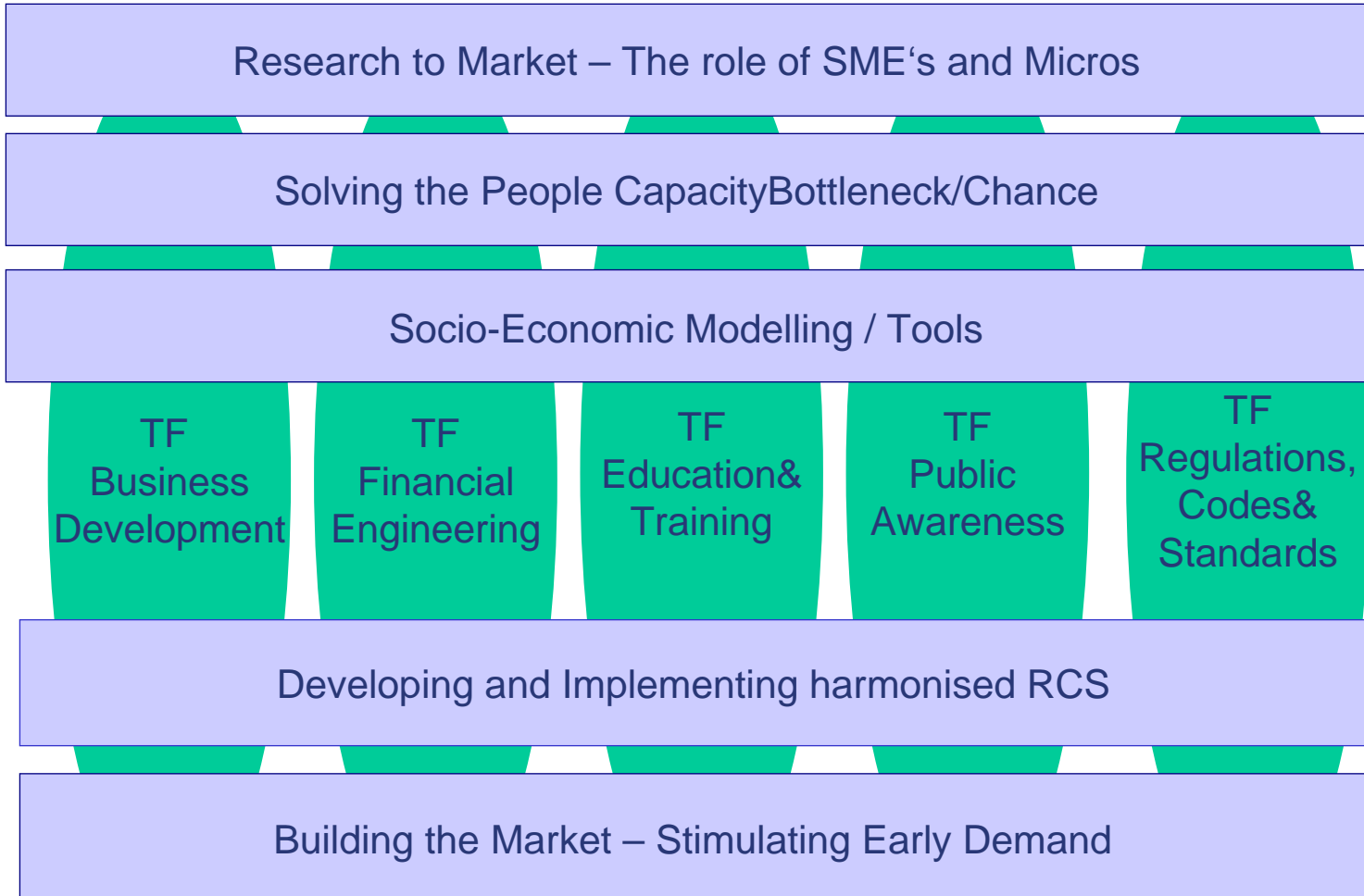


Led to too many actions

Regular critique: no progress over IG Recommendation



## New Approach: Cross Cutting in Cross Cutting





- **Development of a coordinated European Strategy towards RCS**
- **Supporting the relevant directive initiatives**
- **Road vehicle logistics**
- **In-door use of H2 and Fuel Cell Devices**
- **Grid-Interconnect RCS**
- **Aerospace RCS Development**
- **Maritime Transport RCS Development**
- **Rail Transport RCS Development**

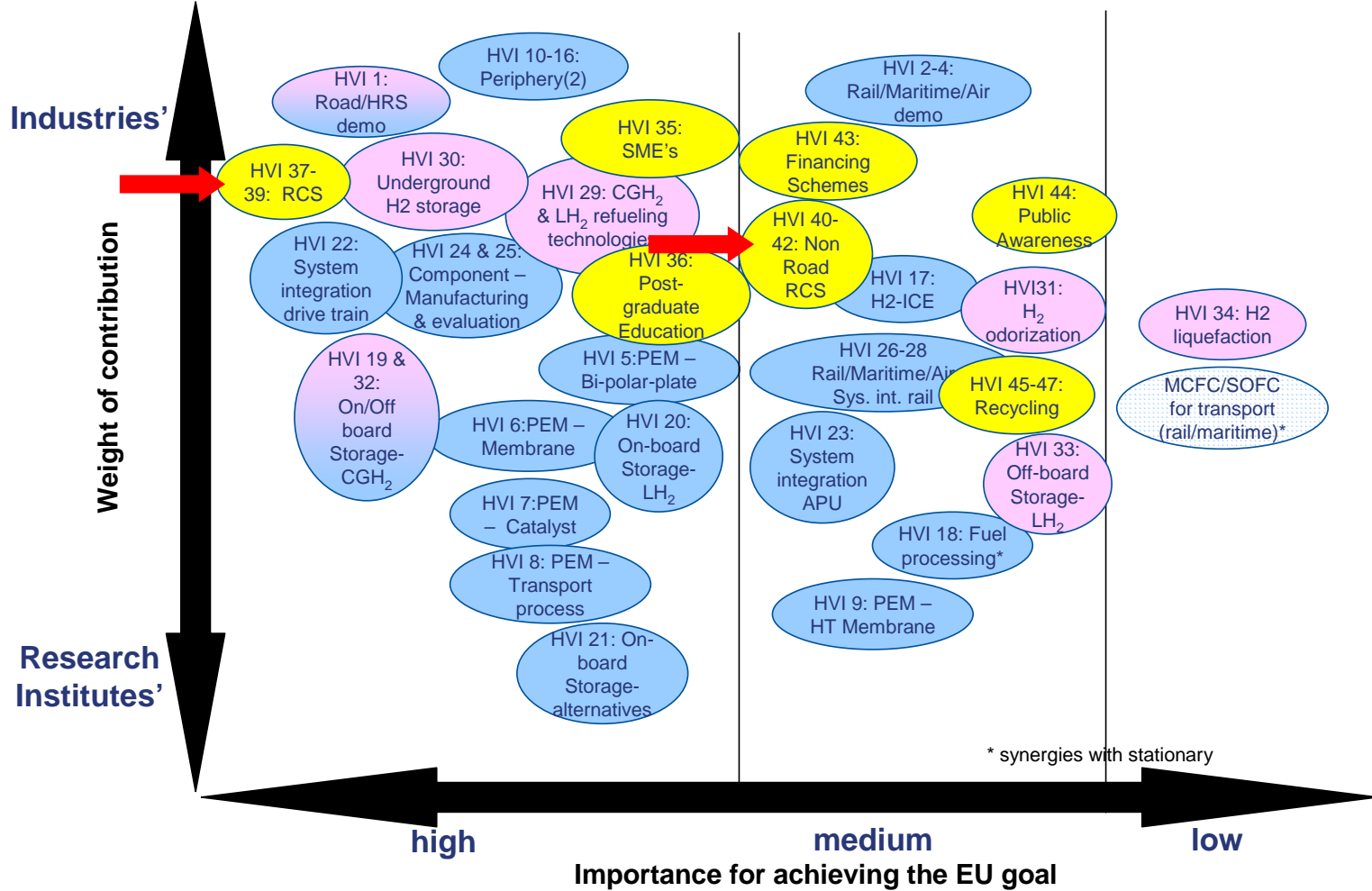


# XCI Proposed Action Plan

| Action N° | Area   | Title  |         | Lead Application |
|-----------|--|--|---------|------------------|
| X15       | <i>Developing and Implementing Harmonised Regulations, Codes and Standards</i> | Development of a coordinated European Strategy towards RCS | €70 Mio | TRA              |
| X16       |  | Supporting the relevant directive initiatives              |         | TRA              |
| X17       |  | Road vehicle logistics                                     |         | TRA              |
| X18       |  | In-door use of H <sub>2</sub> and Fuel Cell Devices        |         | EPM              |
| X19       |  | Grid-Interconnect RCS                                      |         | STA              |
| X20       |  | Aerospace RCS Development                                  |         | TRA              |
| X21       |  | Maritime Transport RCS Development                         |         | TRA              |
| X22       |  | Rail Transport RCS Development                             |         | TRA              |



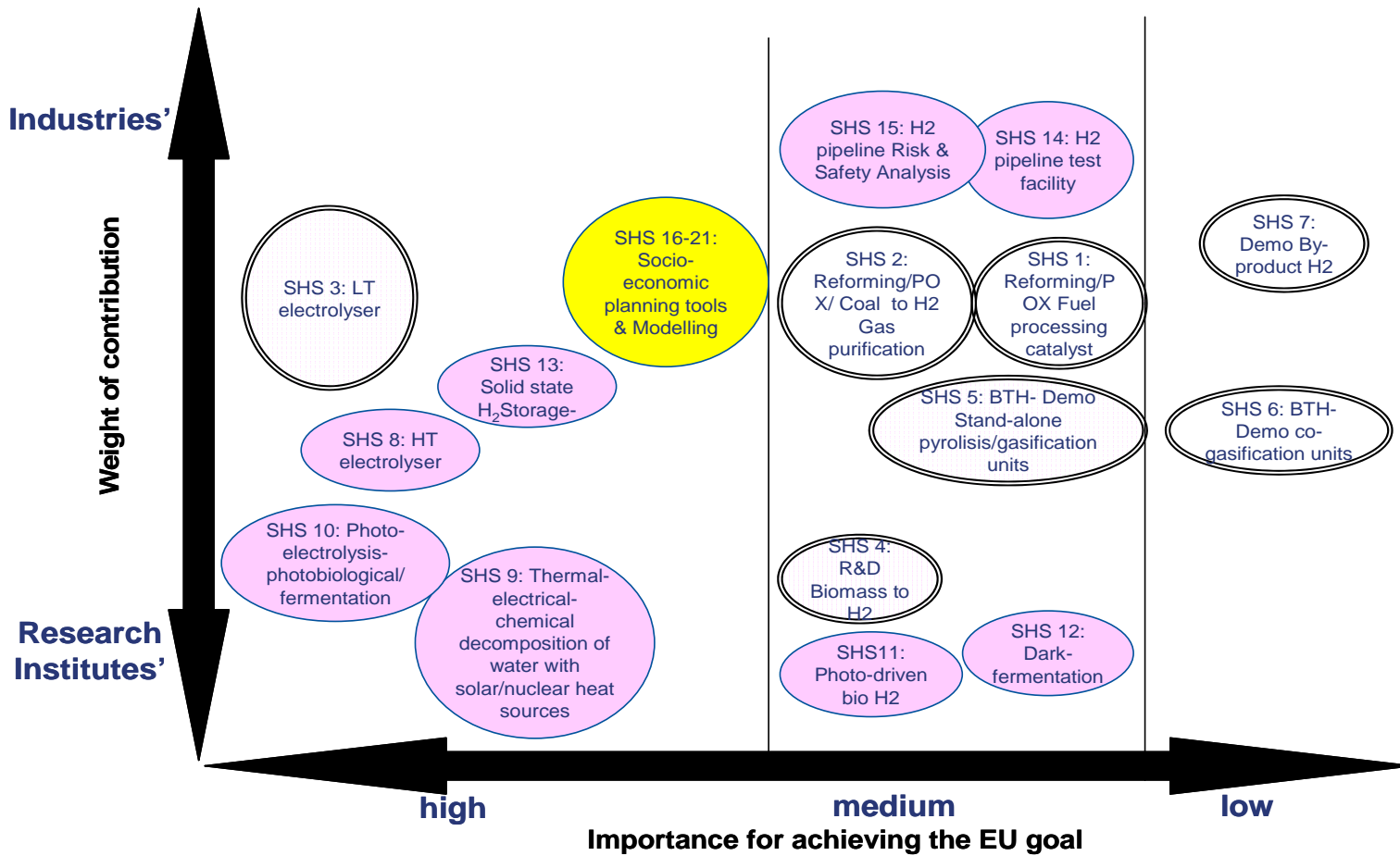
# IDA 1: H2 vehicle and infrastructure technologies



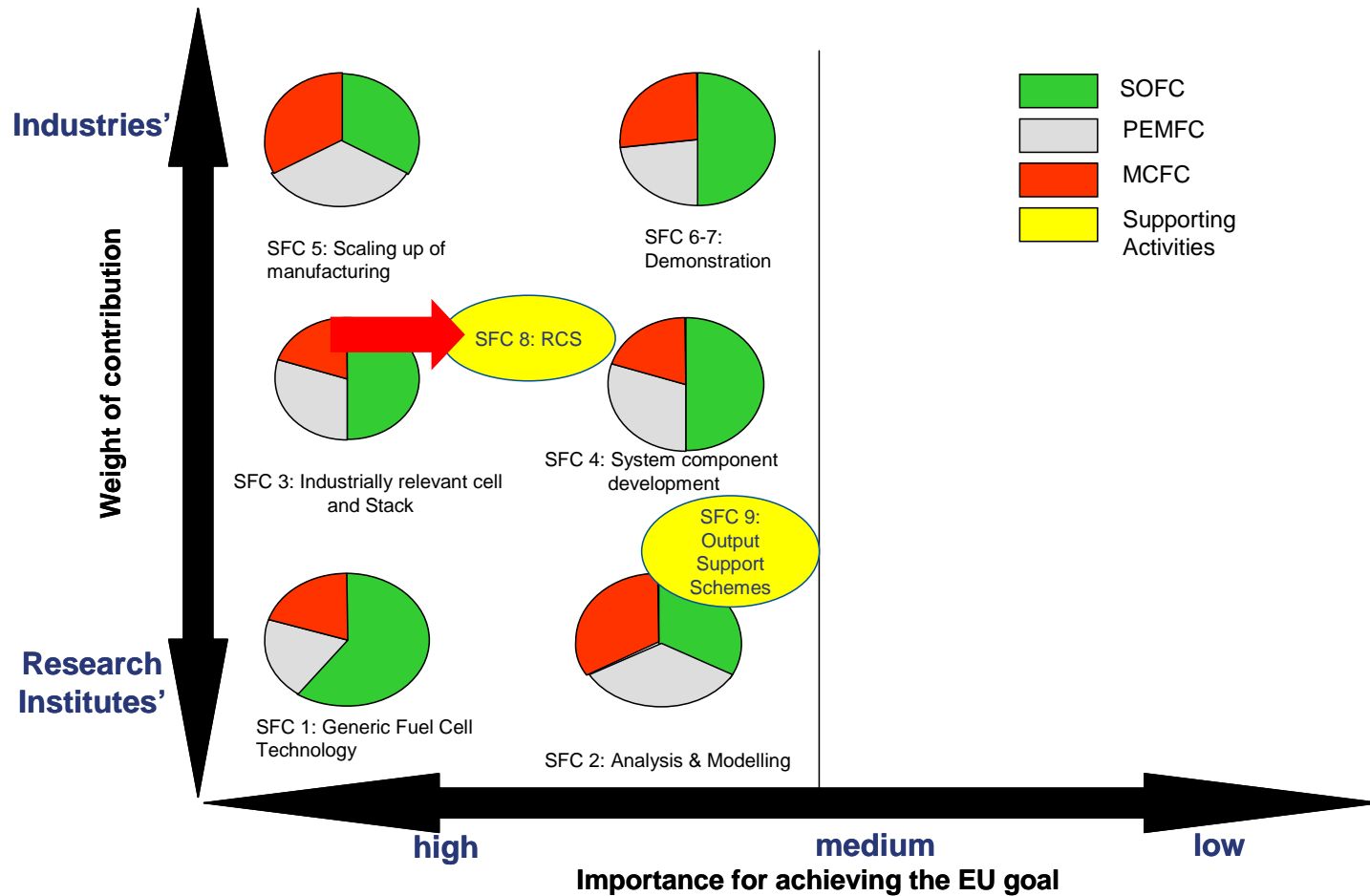




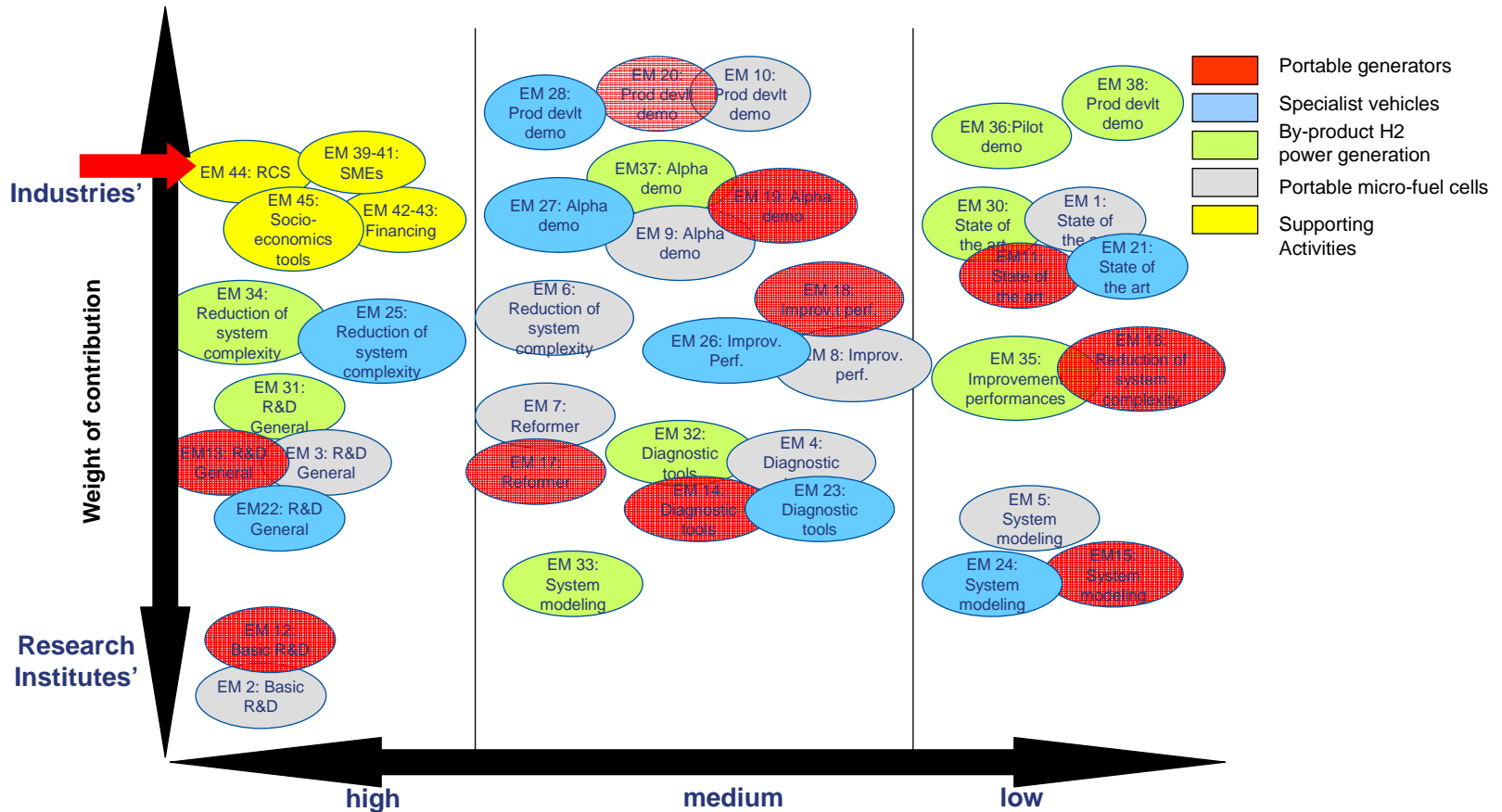
# IDA 2: Sustainable Hydrogen Supply



# IDA 3: Competitive Fuel Cells for CHP and Power Generation



# IDA 4: Fuel Cells for Early Markets





## WG XCI Position on RCS Proposal

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- As can be seen from the approach used by the XCI Group, we do not have a position on organisational structure, as this was not in our ToR
- In general, we believe that management overheads should be as lean as possible, so permanent structures are seen with some scepticism
- However, RCS work is largely driven by industry and the industry has indicated that it would see that there is a need for a coordinating effort and considers it a necessary brief/mission for the JTI Program office



# Thank You for Your Attention

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