

HySafe Creating the knowledge base for regulatory processes

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Research and RCS

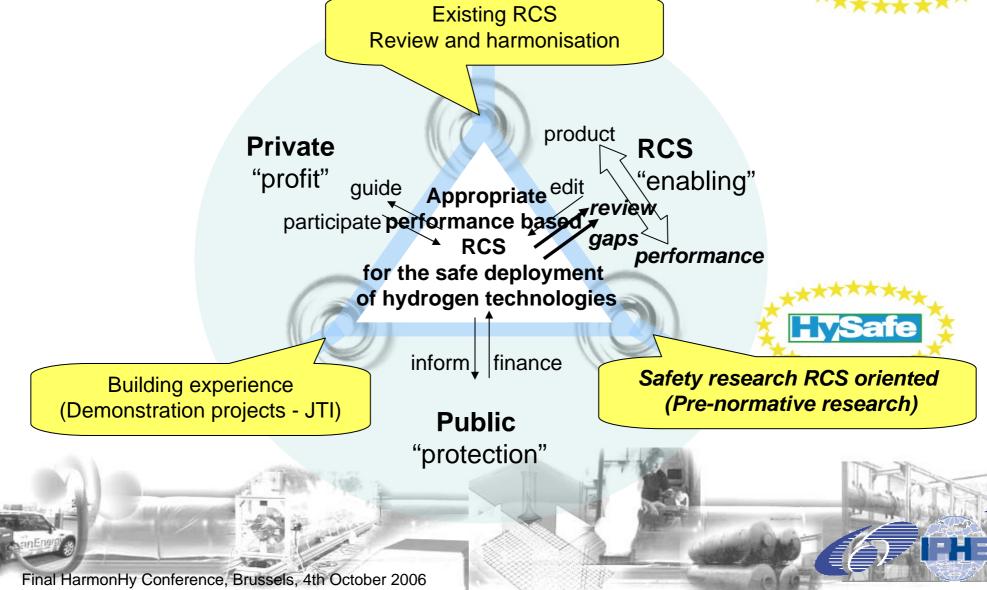


- Research on hydrogen safety is necessary because of new public use of hydrogen and the new technologies involved
- Research on hydrogen safety makes sense if new knowledge, experience and learning are transported to RCS documents

(here RCS = Recommendations, Regulations, Codes and Standards)

Towards appropriate RCS





Interface "Safety research / RCS"



HySafe actions to transport new findings, experience, learning to RCS

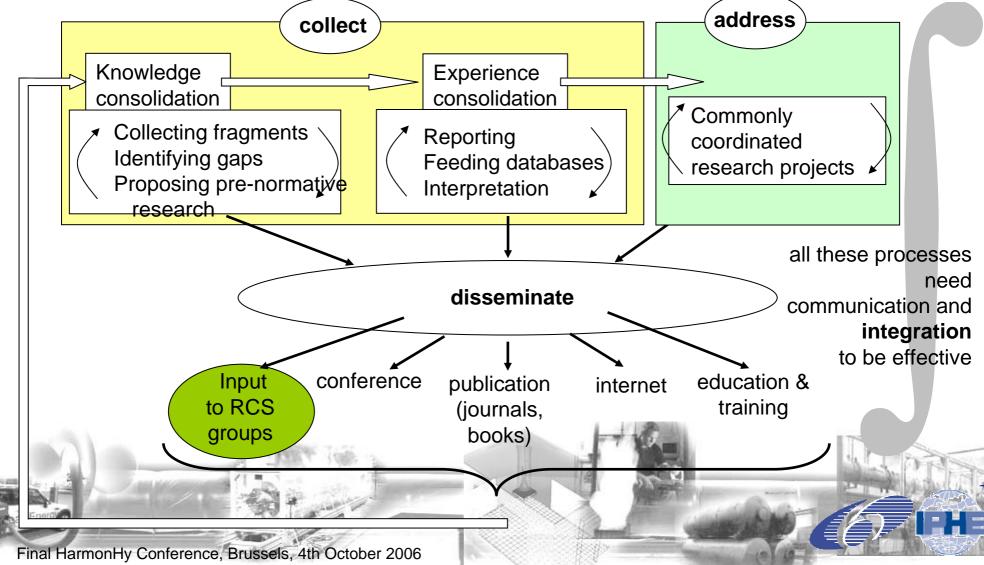
- Active participation in targeted RCS groups (ISO, IEC, UN ECE)
- Input consensual knowledge on scientific facts via HySafe delegates
- Review draft document and promote consensus within EU on draft regulations and standards via HySafe position papers and via (25) consolidated votes (invitation of EU national mirror committees)
- ✓ Maintain communication channels to all involved parties (HFP – CEN – CENELEC – ISO – IEC – EC – HySafe....)

long termed experience based activites → **Not Project but**

Institution

required

HySafe: Creating the safety knowledge base for RCS processes



HySafe Safety Action Plan HSAP

Development of safety procedures, standards, tools, skills in FP7 / JTI +

Unique Safety Assessment Framework for all EC co-funded projects under FP7, demonstration projects in JTI:

- Guidance on methodologies: hazard identification, risk assessment and management, risk control, emergency planning, incidents reporting and learning ...
- ✓ Common "language" and safety expectations
- Exchange and consolidation of experience (Hydrogen Incident and Accident Database HIAD)
- \rightarrow Improved experience exchange, learning curve
- \rightarrow Demonstration of homogeneous and appropriate safety culture across EU
- Editing of a "Safety Action Plan" to guide EU projects applicants

Set up of an Expert Panel for project safety plan and "auditing"

Beyond NoE HySafe



NoE HySafe integration actions and successes towards the safe introduction of hydrogen system will be pursued beyond the end of EU funding by the set up of a permanent structure:



HySafe - The European Hydrogen Safety Centre

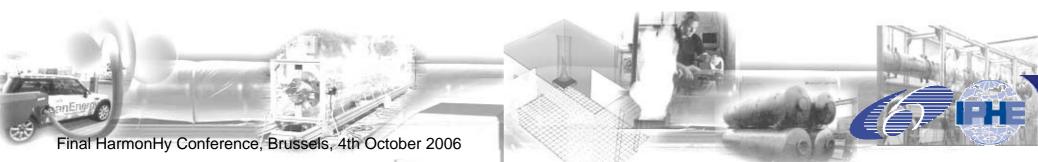
Discussions are currently taking place within HySafe to discuss its missions, status and funding

■ Contribution to RCS will be among its key objectives!

Thank you!



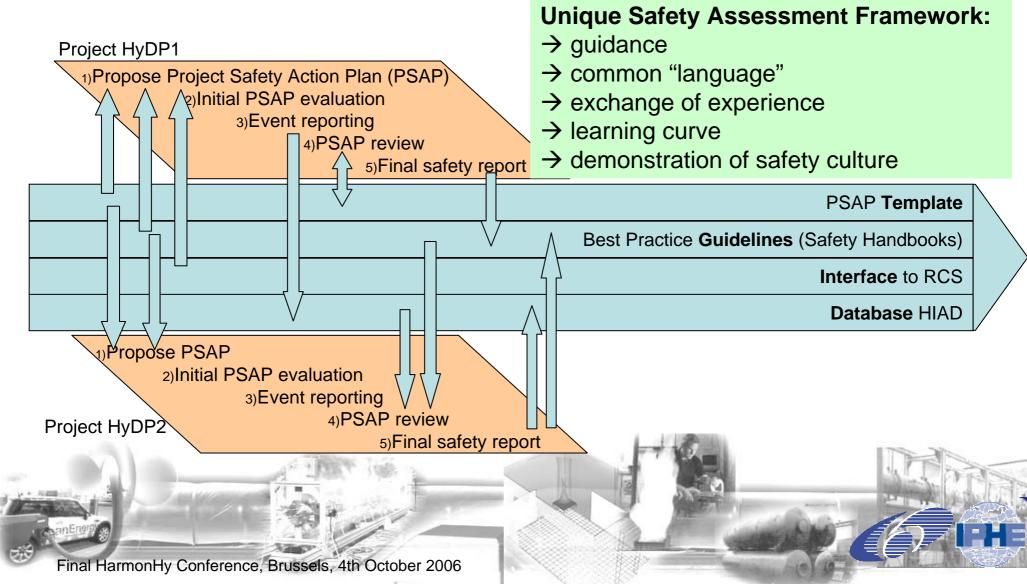
In case of further questions contact <u>coordinator@hysafe.net</u> Tel. +49 7247 82 61 05



Safety Action Plan

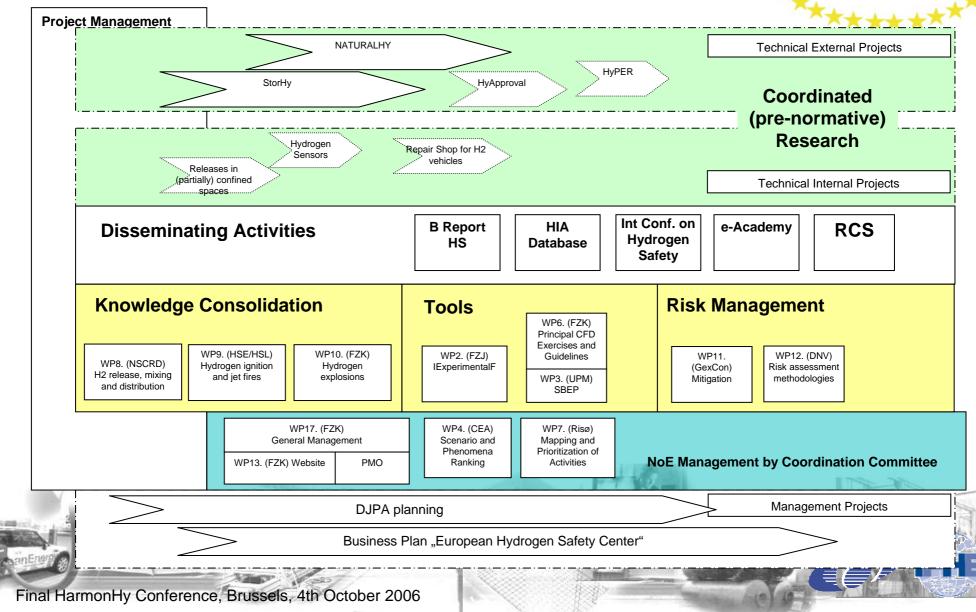
Support of Demonstration Projects in the JTI







NoE (→ EIHS) HySafe contributions





Comparison of standards, safety procedures, tools, skills,...

