



# NANOSAFETY HUB MEETING

Welcome !

Brussels, 23 March 2007



# Overview of ETPIS activities

**SRA, organisation, preparation of  
projects and initiatives**

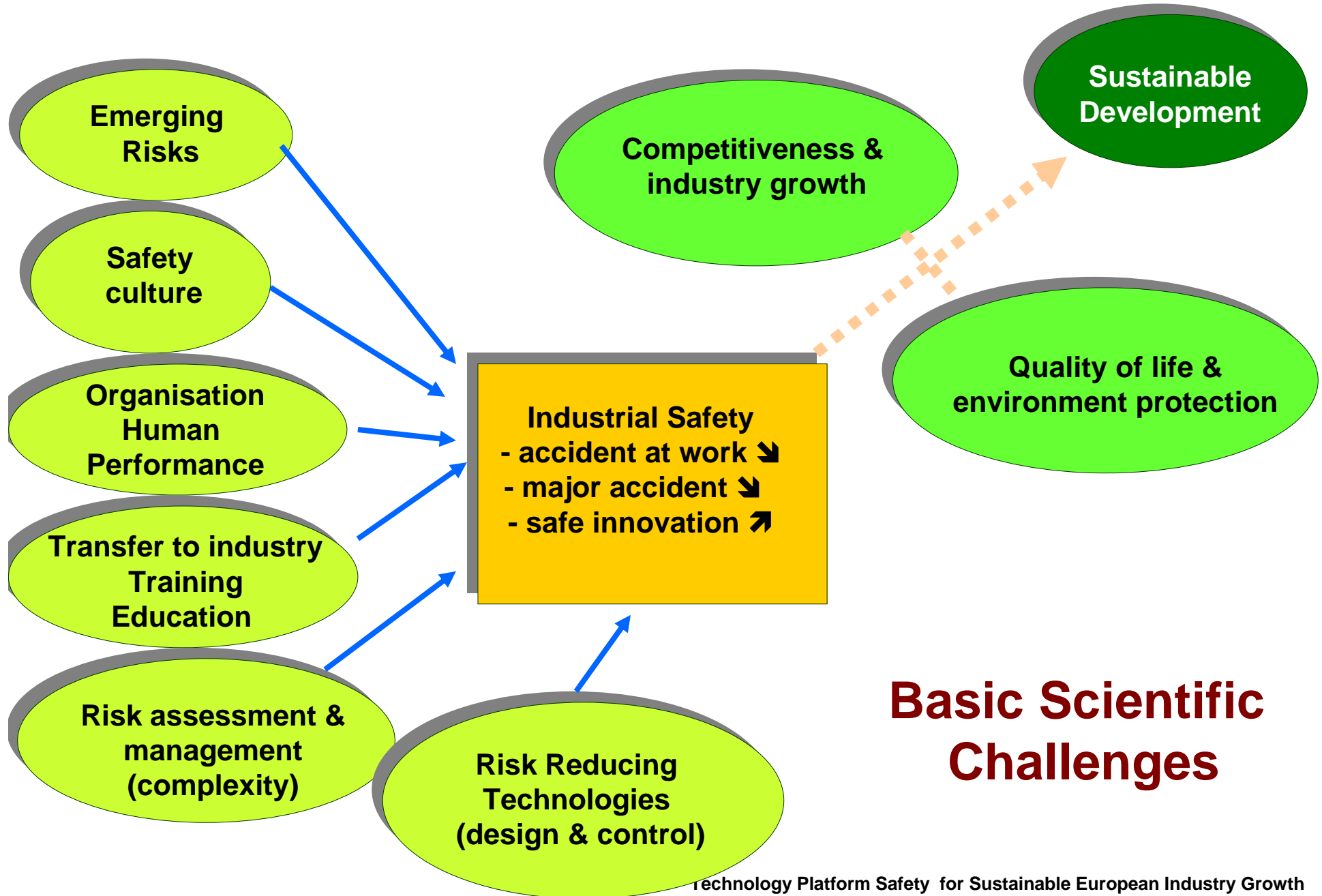
NANOSAFETY HUB MEETING  
Brussels, 23 March 2007

**Olivier SALVI**



# Outline

- **Scientific Challenges and the creation of the Strategic Research Agenda**
- **Overview of the Structure and Membership**
- **Main activities of ETPIS**
  - Interaction with the EC
  - Coordination of national resources (National TPIS)
  - Support to the development of projects/initiatives



# Research Focus Groups

Risk Assessment & Management

Advanced Risk Reduction Technologies

Structural Safety

Human & Organisational Factors

Emerging Risks

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**HUB EDUCATION & TRAINING**

**HUB NANOSAFE**

# Preparation of the SRA

## Openness and transparency



- all 4 draft versions available on the website for free contribution
- 2 major open workshops
- ranking and prioritisation using Milan Workshops and the expertise of the FG leaders attentive to the industry and society expectations

Available on 31/1/2006!



**20/10/2004 Brussels**

*for orientation and creation of Focus Groups  
60 participants*



**1-2/12/2005 Milan**

*revision of the SRA (content & priorities)  
130 participants*

# Operating ETPLIS to defragment R&D

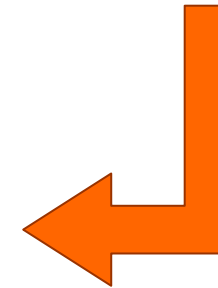
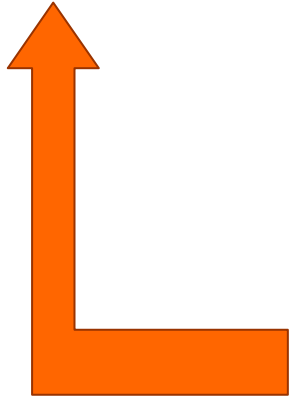


Identify and collect needs to improve industrial safety

Prepare and share the Roadmap for industrial safety

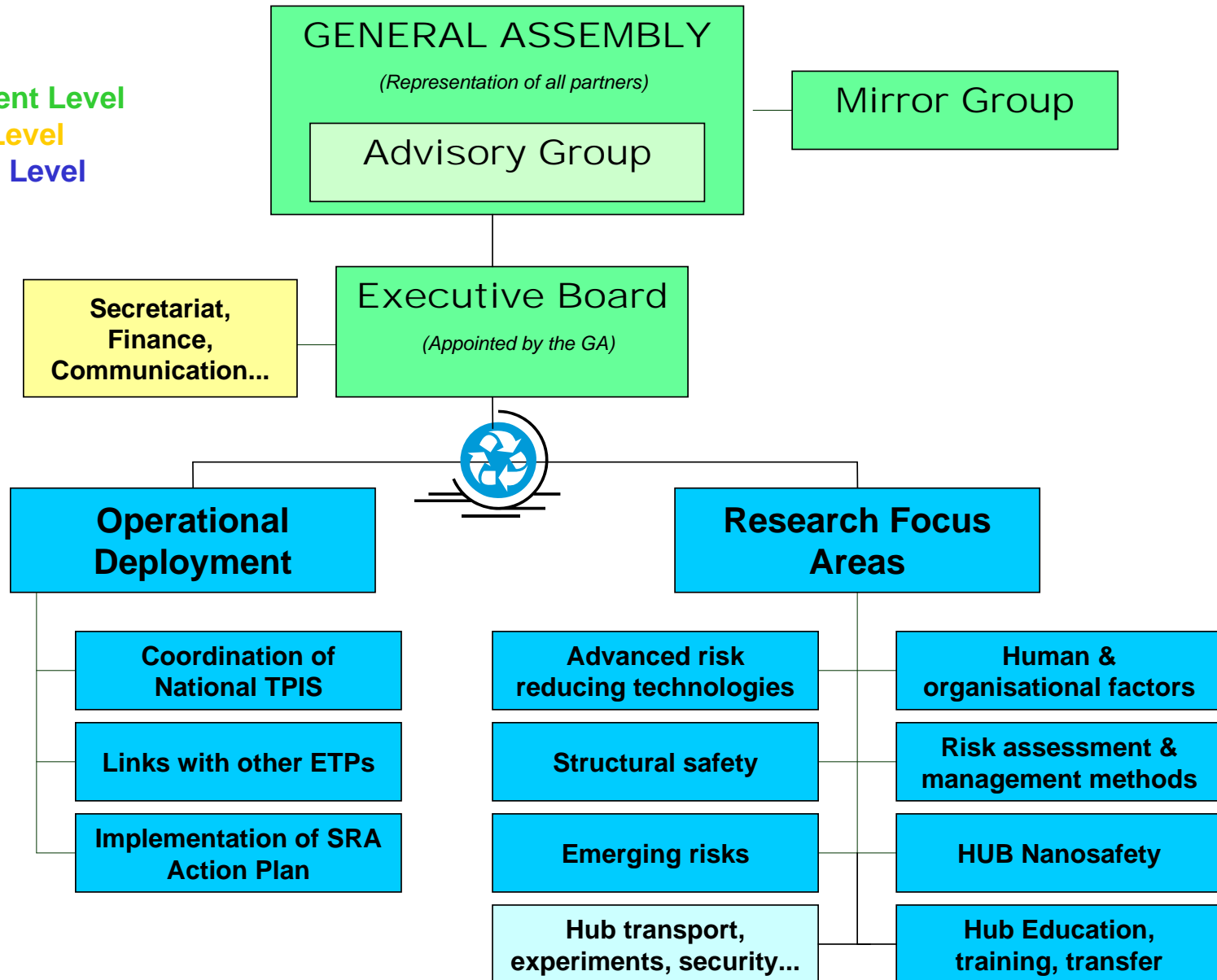


- Risk assessment and management methods
- Advanced risks reduction technologies
- Structural safety
- Human and organisational factors
- Emerging risks
- HUB Education, training, transfer to industry
- HUB Nanosafety
- HUB Transport systems and tunnels
- HUB Large scale experiment facilities
- Security (under construction)



## COMMUNITY OF INTEREST

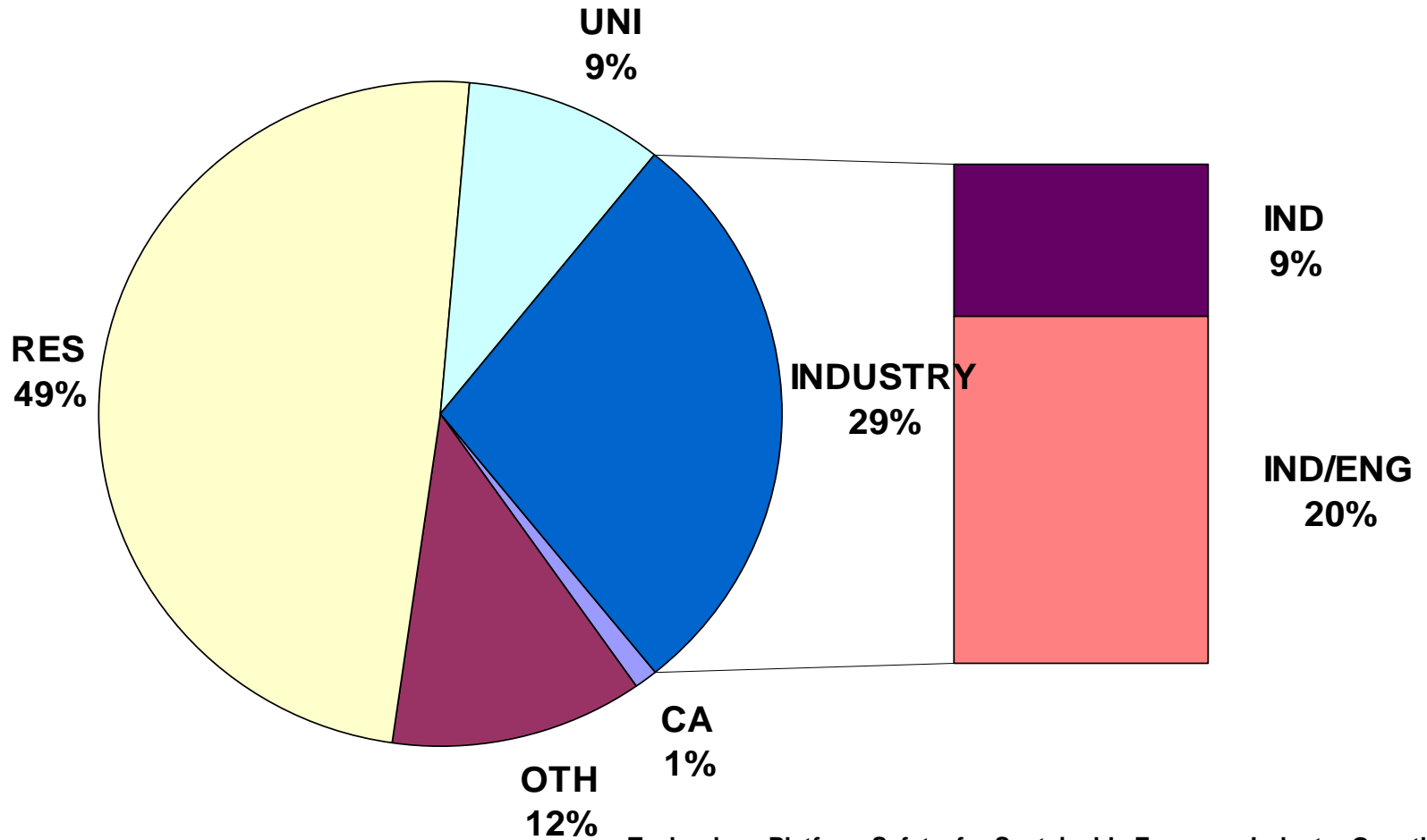
**Green** : Management Level  
**Yellow** : Support Level  
**Blue** : Operational Level





# ETPIS Membership

**By February 2007, 270 Members,  
190 organisations, 29 countries**



## **Main activities (1/3)** **interaction with the EC**

- **Preparation of FP7 calls for proposals**
  - topic priorities based on the SRA (Spring 2006)
  - ETP Conference in Vienna (4&5 May 2006)
  - FP7 launch in Brussels (7&8 Feb. 2007)

- **Meetings on development of “lead markets”**
  - 5 Jul. and 6 Dec. 2006



- **Communication during key events**
  - CISAP 06
  - CEN Conf. on harmonisation
  - ESREL 2006
  - ECTP Conf.

# Main activities (2/3)

## coordination of national resources

- **Creation of national TPIS**

- National platforms already exists in...

- France : [www.ftpis.fr](http://www.ftpis.fr)
- Greece : [www.etpis.tuc.gr](http://www.etpis.tuc.gr)
- Germany : [www.industrialsafety-tp.org/DE](http://www.industrialsafety-tp.org/DE)
- Italy : [www.ptisi.eu](http://www.ptisi.eu)
- Poland : [www.kpk.gov.pl/ppt](http://www.kpk.gov.pl/ppt)
- Spain : [www.leia.es/PESI/](http://www.leia.es/PESI/)

- and are under construction in...

- Finland (contact VTT), Portugal (contact IST) , Romania (contact INCDPM), Slovenia (contact Institut Josef Stefan), UK (contact HSE & Man Univ), Czech Rep. (contact Univ. Ostrava), Middle East (contact TES-Jordan)

- **Creation of the Mirror Group with national authorities**

- 1st meeting on 8 March 2007



## Main activities (3/3)

support the development of projects/initiatives

- **Support the implementation of the SRA**
  - ETPIS Brokerage event on 27&28 Nov. 2006 in Paris
    - infos on FP7 and national TPIS progress
    - 29 projects / initiatives discussed
  - Nanosafety Brokerage Event 23 March 2007 in Brussels
- **Promotion of CEN enquiry about *Harmonisation needs in risk assessment* (Sept. 2006 ; results available)**
- **Develop a funding scheme (FP7, national prog., EUREKA, COST, Region of knowledge...)**



# Projects at Brokerage Event

AFUNSOS2	Advanced Functional Safety and Operator Support System	Gdansk University of Technology
ARTEC	Assessment and reduction of risks related to emerging technology, new materials and enhanced process conditions	VTT
Component-Assessment	Assessment and Retrofit of Components and Lifelines	Woelfel Beratende Ing. GmbH + Co KG
deployPROMIS	PROMIS - Process Oriented Integrated Quality Management Interactive Services and eTraining for SMEs	FUTUREtec GmbH
Earthquake Engineering	Integrated Displacement-based Earthquake Engineering	Woelfel Beratende Ing. GmbH + Co KG
EBETSOS	Eduknowledge based expert training system for occupational safety	INCDPM
EPIC	Efficient work processes to integrate high industrial safety and high performing production	IVF Industrial R&D Corporation
ERSCAP	European Reporting System For Complex Accident Phenomena	INCDPM
EU Code light weight buildings	European Code for lightweight Buildings	Woelfel Beratende Ing. GmbH + Co KG
Hi Ex Foam Aerosol	Use of high expansion foam to control fires in aerosol storage warehouses	FEA (European Aerosol Federation)
HUMASY	HUMAN-MACHINE Synergy	Italian Aerospace Research CENTRE
iNTEg-Risk	Early Recognition, Monitoring and Integrated Management of Emerging, New Technology Related Risks	EU-VRi
i-Protect	PPE-embedded information management system supporting personnel in high-risk environments	CIOP
ISOS	Integrity and Security Operating System for preventing external threats on gas transmission networks	Gaz de France
<b>NANEX</b>	<b>Safety aspects of nano particle dusts</b>	<b>Fraunhofer ICT</b>

# Projects at Brokerage Event

Post-Buncefield	Post-Buncefield vapour cloud explosion implications	HSL
POWERSAFE	Cost-effective safety and security integrated approach for the electric system protection	CESI RICERCA SpA
PRICELES	PRotection of Interdependent Civil Engineering LifElineS	CESI RICERCA SpA
RISFRAME	RISKYFRAMEWORK	Italian Aerospace Research CENTRE
SAFETRAIN	SAFETY TRAINING	Italian Aerospace Research CENTRE
SGame	Safety Gaming in Chemical Process Operation	Tampere Polytechnic Univ. of Applied Sciences
SMART	Integrated risk assessment and total safety management	Politecnico di Milano
XPSE	Experience Based Model for Safer Operations at “Seveso Establishments”	ISPESL
RISKPOND	Tailings Ponds Risks - The source of hazards and risk management	KGHM Cuprum R&D Center
<i>GIS-Pipeline</i>	<i>Monitoring system of pipelines technical state based on GIS technologies</i>	<i>Paton Welding Inst.</i>
<i>Defect</i>	<i>Estimation of defected pipeline remaining life</i>	<i>Paton Welding Inst.</i>
<i>ImSafe</i>	<i>Improving Structural Safety of advanced and aging structures containing welds</i>	<i>GKSS Research Center</i>
<b>NANOWORK</b>	<b>Developing portable easy-to-use devices for nanoparticles risk assesment at workplaces</b>	<b>IQS-URL / LEIA</b>

# Coverage of FP7

- **Cooperation:**
  - **Health**
  - **Food, Agriculture and Biotechnology**
  - **Information and Communication Technologies**
  - **Nanosciences, Nanotechnologies, Materials and new Production**
  - **Energy**
  - **Environment (including Climate Change)**
  - **Transport (including Aeronautics)**
  - **Socio-economic Sciences and the Humanities**
  - **Security**
  - **Space**
- **Ideas**
- **People**
- **Capacities**

# Conclusions

- **Achievements**
  - *European Research Area in Industrial Safety*
    - >sharing a vision/roadmap and sharing results
  - *Dynamic activities thanks to FG leaders and national TPS leaders*
- **Perspectives**
  - *Membership : reinforce the involvement of the industry (operators and support-to industry)*
  - *Implementation and actions plan (SRA funding, standardisation, education, infrastructures...)*
  - *Sustainable operation of ETPIS*





The screenshot shows a Microsoft Internet Explorer browser window displaying the website. The browser's address bar shows the URL <http://www.industrialsafety-tp.org>. The website header features a white hard hat icon and the text "European Technology Platform on Industrial Safety". A navigation menu includes links for Home, What is TP Safety, Members, Downloads, Links, Contact, and Member area. The main content area is divided into several sections: "latest news" with three entries dated 5/9/2005, 3/1/2005, and 12/6/2004; a "Welcome to TP on Industrial Safety" message; a "What is TP safety?" section with a lightbulb icon; a "Join the Industrial Safety Technology Platform" section with a "Click here" link; a "Join a Focus Group of the Industrial Safety Technology Platform" section with a list of five focus groups (FG1-FG5); a "TP Industrial Safety Launch Event" section with a "Register Form" link; and a "Download" section with a "here" link. The browser's status bar at the bottom shows the URL <http://www.industrialsafety-tp.org>.

<http://www.industrialsafety-tp.org>

[rgowland-epsc@icheme.org.uk](mailto:rgowland-epsc@icheme.org.uk)

[olivier.salvi@ineris.fr](mailto:olivier.salvi@ineris.fr)

[Aleksandar.Jovanovic@sowi.uni-stuttgart.de](mailto:Aleksandar.Jovanovic@sowi.uni-stuttgart.de)