



European Technology Platform on

Industrial Safety

Safety for Sustainable European Industry Growth

FTPIS - Plate-forme Technologique Française en Sécurité Industrielle

French Technology Platform Industrial Safety

Sharing experience with the Greek TPIS

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INERIS

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Content

- Background information related to National TPIS
- I - Situation in France before FTPIS
- II - History of the creation of FTPIS
- III - Perspectives

Operating ETPIIS to defragment R&D

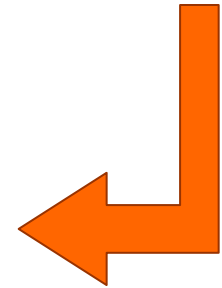
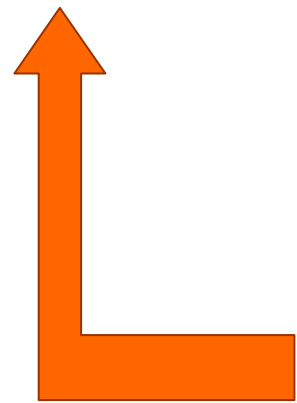


Identify and collect needs to improve industrial safety

Prepare and share the Roadmap for industrial safety

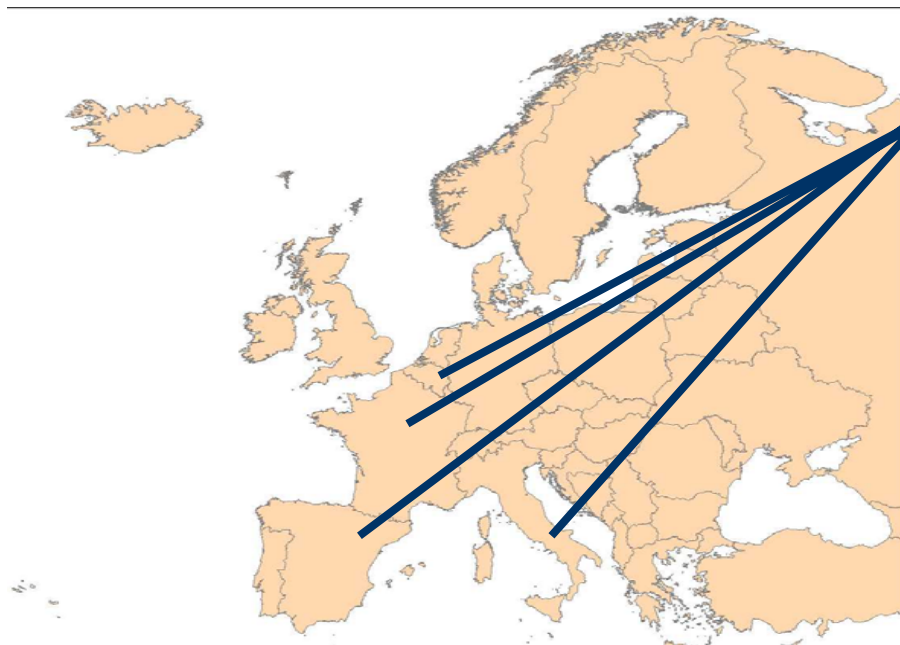


- Risk assessment and management methods
- Advanced risks reduction technologies
- Structural safety
- Human and organisational factors
- Emerging risks
- HUB Education, training, transfer to industry
- HUB Nanosafety
- HUB Transport systems and tunnels
- HUB Large scale experiment facilities (NEXIS)



Co-ordination of national resources

96 % Research investment is at national level !



For a given
research topic

- 1) Identify the teams in each MS
- 2) Define joint research programme with the teams in each MS
- 3) Obtain national funding with the credibility of ETPIS
- 4) Share the results at the European level
- 5) Support from the ETPIS



National Platforms Industrial Safety

- **National platforms already exists in...**
 - France : www.ftpis.fr
 - Italy : www.ptisi.eu
 - Poland : www.kpk.gov.pl/ppt
 - Spain : www.leia.es/PESI/
 - Greece : www.etpis.tuc.gr
- **Iniatives under construction in...**
 - Finland (contact VTT)
 - Germany (contact ZIRN and BAM)
 - UK (contact HSE and EPSC)
 - Portugal (contact IST)
 - ...



I - Situation in France before FTPIS

Who is concerned by industrial safety ?

- **Ministries:**
 - Ecology and Sustainable Environment, Industry, Labour, Health, Civil Protection
 - They all had a programme to support research
 - Universities are used to apply always to the same programme
- **National Agencies and other technical support**
 - INERIS, IRSN, INVS, INRS, CEA... have their own programme
 - but also, CSTB (Buildings), CETIM (Mechanical engineering)...
- **Universities and research institution**
 - Ecoles des Mines, Univ. Bordeaux - Grenoble - Troyes..., CNRS

Who is concerned by industrial safety ?

- **Industrial groups (operators) :**
 - Producers : EDF, Total, Air Liquide, Arkema, Gaz de France...
 - System assemblers : EADS, Thales...
- **Service provider to the industry :**
 - INERIS, Technip, APSYS (EADS), SME Environment, Bureau Veritas, APAVE...
 - Phimeca... (most of them are SMEs)
- **Safety equipment manufacturers :**
 - difficult to identify them ; mainly SMEs
- **Associations and scholarship organisation**
 - IMDR, ECRIN, SFGP, ARI...



Changes in 2005 !

- Creation of the French National Research Agency (ANR)
- Creation of 67 « Pôles de Compétitivité »
 - *Gestion des Risques et Vulnérabilité des Territoires*
Risk management and land vulnerability, in Region PACA (Aix Marseille) and Languedoc Roussillon (Alès)
 - Other Pôles with « industrial safety » interest
- Creation of the FTPIS !



II - History of the creation of FTPIS



History of FTPIS

- 4 April 2005 : First meeting, decision to create FTPIS
35 participants
- 11 July 2005 : Constitution of a « FTPIS Bureau » with
INERIS, ICSI, ECRIN (and ANRT facilitator)
- Summer 2005 : Recruitment and organisation of the FGs
Autumn
Agreement on a strategy to improve
research investment on Industrial Safety in
France
Letter to ANR signed by key organisations
- 24 Nov. 2005 : Meeting to collect French contribution to the
EU SRA (input to ETPIS Milan Seminar)
**Séminaire *Vision 2020* : Quel futur pour la
recherche en sécurité industrielle ?**



History of FTPIS

- 28 Feb. 2006 : Bureau met the ANR : demand to create a specific programme for industrial safety (with call for proposals)
- 5 May 2006 : FTPIS met Pole Risques
Decision to collaborate
- 24 Aug. 2006 : Meeting to organise the 1st National forum on Industrial Safety : organisers FTPIS and Pole Risques, with the contribution of ICSI, INERIS, IMDR, SFGP, GEM Risques
- 13-14 Nov. 06 : Forum to introduce the French SRA
Share knowledge and learn from each other
Identify mature projects/consortia
Be ready for the next call for proposal from ANR



III - Perspectives



Economical stakes

- Accidents = illustration of poor safety : direct cost
- Industrial safety generates added value :
 - increasing demand for jobs related to safety for the development of new technologies
 - professionalisation of safety training programmes
 - diversity of new jobs :
 - Service providing : expertise and consulting
 - Assistance in case of emergencies or crisis
 - Financial services : insurance products
 - Safety equipment production :
 - detection and sensors
 - high reliability measurement systems
 - personal protection equipment
 - fire fighting equipment
 - ...

**INDUSTRIAL SAFETY GENERATES NEW JOBS !
...AND IMPROVE SAFETY RECORDS !**



Industrial Safety / Security

Complementarities and synergies

- Industrial safety : prevent accidents and incidents on industrial systems
- Security : protect people and infrastructures from malvolent acts
- Synergies for industrial installations and critical infrastructures (including transport systems)
 - similar methods and approaches
 - technologies useful for both safety and security
 - Work closely with the key actors : technology developers, civil protection and industry
 - Combine multi-disciplinary expertise
 - same stakeholders, interested by integrated approaches with inherently safer design
 - crisis management has to be consistent for safety and security

JOINT PROGRAMME FOR SAFETY / SECURITY IN FRANCE ?

Research perspectives

Key messages

- **Objectives**

- De-fragment the national research : gain efficiency
- Combine disciplines for a common goal
- Focus on industry expectation and society concerns
- Prepare the French teams for ERA

- **Tools**

- Technology development : **Pôles de Compétitivité**
- Take part in Flagship projects : **FP 7**
- Projects with large benefice : **call from ANR and other national programmes (RDT, PREDIT...)**
- Projects with specific focused benefice : **foundations and A2i**
- Shared - cost projects / direct contacts with other consortia in other countries through **ETPIS**



European Technology Platform on
Industrial Safety

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latest news

5/9/2005
Launch event of the European Technology Platform on Industrial Safety will be held on June 30th 2005 in Gdansk, Poland.

3/1/2005
Meeting of the Advisory Council

12/6/2004

Welcome to TP on Industrial Safety

What is TP safety?

TP Industrial Safety Launch Event

Join a Focus Group of the Industrial Safety Technology Platform

Download

Register Form.

Thank you for your attention !

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

<http://www.ftpis.fr>

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