

iNTeg-Risk: Early Recognition, Monitoring and Integrated Management of Emerging, New Technology Related Risks

iNTeg-Risk SP2 presentation

Kick-off meeting, Brussels, December 2nd & 3rd, 2008

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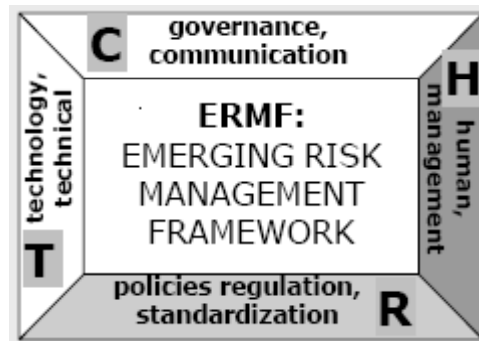
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Bologna**

➤ Context : Emerging Risk Management

- Need for a shared approach for the management of Emerging Risks
- Need for universal references in order to build comparisons and take decisions
- Need for a structured approach, duplicable, systematic but nevertheless adaptable
- Need for an integrated approach taking into account the systemic nature of Emerging Risks

➔ **Effort towards building the new framework by a “bottom-up” approach: needs and gaps from day-by-day experience**

- Creating an Integrated Scientific and technology Framework - 2nd level of Integration



- Paradigm for dealing with emerging risks : basis for the Good Practice Guidelines
- Common Guidelines
- Common Methods
- Common Tools for dealing with Emerging Risks

ERMF development based on:

- Analysis of needs, supported by the results of ERRAs

- Analysis of gaps in knowledge, supported by the results of ERRAs

➤ Layers of ERMF development:

- **1st layer** : Paradigm to deal with emerging risks and integrated framework
- **2nd layer** : Development of tools
 - Unified Languages
 - Models and methods
 - KPIs : agreed method on how to build KPIs
 - Basel II of Emerging Risks – Rating of emerging risks
- **3rd layer** : Development of documents
 - Assessment and management of emerging risks : Handbook of recommended practices for Emerging Risks
 - Guidance documents produced by the work in the ERRAs and examples – how to apply the ERMF
- **4th layer** : Integration and common collaborative work guidelines basis of good Practice Guidelines (SP3 and SP4)

SP2 Outputs expected: key deliverables



➤ 52 deliverables

➤ Key deliverables

- Definition of the new Paradigm to deal with emerging risks
- Common Guidelines for integration and collaborative work
- Best available Models and Methods for integrated risk management
- Applied guides for decision methods and uncertainty management
- Best available Models and Methods for risk governance and communication
- Sets of key performance indicators : technological, governance and communication, human and management, policies®ulation&standardization
- Handbook for Emerging Risk Management (T-H-C-R)

SP2 partners



- 36 partners
- The classic typology of partners
 - Academic : ~10
 - Industrials and similar : ~21
 - SMEs : ~5
- Every partners participate in many of the WPs

SP2 Structure for the full project duration



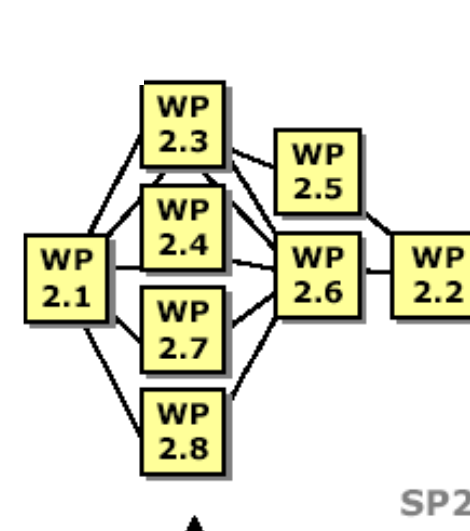
➤ 8 WPs

Work Package No.	Work Package Title	Type of Activity	Lead Participant (No.)	Person Months	Start Month	End Month
WP2.1	Building the iNTeg-Risk Paradigm and iNTeg-Risk Framework	RTD	UNIBO (CONPRICI) (64)	20.2	6	24
WP2.2	Integration and Common collaborative work guidelines	RTD	INERIS (30)	57.7	6	42
WP2.3	Models and Methods (tangible	RTD	D'Appolonia	97.1	6	42
WP2.4	KPI : Agreed Method on how to build iNTeg-Risk KPIs	RTD	R-Tech (9)	51.3	6	42
WP2.5	Assessment and management of emerging risks - HANDBOOK of Recommended Practices (RP) for EMERGING RISKS (HER)	RTD	CNR-IRC (CONPRICI) (68)	48.2	12	42
WP2.6	Guidance documents produced by the work in the ERRAs and examples - How to apply the ERMF	RTD	INERIS (30)	29.9	12	42
WP2.7	Data assessment, consolidation	RTD	EU-VRI (1)	6.7	12	42
WP2.8	Basel II of Emerging Risks - Rating of emerging risks	RTD	R-Tech (9)	8.4	12	42

SP2 internal interdependencies (among SP2 WPs)



- Layer 1 feeds Layer 2 with input :
 - Development of the New paradigm and the ERMF
 - Definition of the Integrated Risk Management Framework (based on the T-H-C-R) elements
 - Common language for IRMF ER
- Layer 2 feeds Layer 3 with input :
 - Set of methods and tools dedicated to safety risk analysis
 - A general method for development of risk KPIs
 - Assessment of emerging risks data
 - Emerging Risk rating and comparison system
- Layer 3 feeds Layer 4 with input :
 - Handbook of RP for Emerging Risk assessment and Management
 - Reference document with a broader generic application scope
- Layer 4 feeds SP3 and SP4 with : Guidelines integrating various aspects of IRM



SP2 external interdependencies (with other SPs)



- SP2 is largely connected with every SPs
 - SP1: will provide input data issued from ERRA analysis. Importance of continuous interaction with SP1 during ERRAs development: e.g. ERMF design
 - SP3 : SP2 outputs will constitute an input to SP3
 - Methods and models from SP2 will be applied to validation test cases
 - SP4 : SP2 outputs will constitute an input to SP4
 - SP2 outputs considered as SP4 inputs
 - SP4 outputs based on SP2 work become SP2 inputs at the end
 - SP5 : management

➤ M0 - M6

- SP2 Kick-off : linked SP1 kick-off (29th - 30th January)
- WPs meeting on a trimestrial basis
- Setting up of project monitoring

➤ M6-M12

- WP 2.1 to 2.4 : start on M6
- WP 2.5 to 2.8 : start on M12
- Deliverables :
 - Draft of the new iNTeg-Risk paradigm for M12 (WP 2.1)
 - Draft of the common collaborative guidelines (WP 2.2)

1. WHO will be in charge of management?

“Project” means “people”

- SP2 leader: scientific coordination & strategic orientations for SP2 :

C Duval, EDF

V Cozzani, CONPRICI

- SP2 Management support office : daily management, quality process, monitoring & reporting

EDF's subcontractor ARTTIC, H Gros

- WP leaders: progress monitoring for their respective WP

- Task leaders: responsible of timely delivery of project results

2. WHAT - Aim and content

- To ensure a satisfactory completion of the contract:

Work is performed properly at all level and all times and unexpected events, issues... can be managed

- In accordance with EC rules for FP7 and partners expectations
- In accordance with- and implementing the management processes set up at global level
- In accordance with SP2 specificities

☞ Quality process & monitoring (incl. internal reporting)

3. HOW – project structure, tools & methods to monitor

- Deliverables quality process and planning
- Set of meaningful indicators (especially risk register)
- Meetings and dedicated reports on a quarterly basis
- Use of Internet iNTeg-Risk tool
- Others according to
 - Coordinator's requirements
 - project's progress
 - and partners' needs

Thanks you for your attention

Appendix

List of SP2 partners:

SP Leaders	CONPRICI UNIBO	EDF			
WP Leaders (Other than SP Leaders)	INERIS	D'Appolonia	R-Tech	EU-Vri	CONPRICI CNR IRC
WP Participants (other than SP and WP Leaders)	LEIA	TU Crete	SINTEF	DTU	VTT
	IVF	CONPRICI UNIRM	Iberdrola	BT	USTUTT ZIRN
	JRC	EKON	MIT GmbH	Pöyry	Demokritos
	JSI	TUKE	DNV	RIVM	CONPRICI POLIMI
	KMM-VIN	BZF	VSB-TUO	CEN	Swiss Re
	EU-Vri 2B	EU-Vri-EUR	EU-Vri OttoUNI	EU-Vri BristolUNI	