

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

Providing common basis for exploring and reporting on emerging risks (“ERRA template”)

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**Knut Øien, SINTEF, Norway (& task partners)
Espen Kon, EU-VRI, Germany / EKON, Israel**

Need for concerted action

- A large and challenging project
 - Over 80 institutions and companies
 - About 300 partners
 - 17 “case projects” (ERRAs)
 - 55 ERRa partners

- Imperative that the efforts laid down in each of the 17 ERRAs pull in the same direction and that the results are extracted and stored in an efficient manner

- Means to achieve this;
ERRA template and ***IT function***

Important note: The template will evolve along the project to reflect the evolution of knowledge both in the ERRAs and other SPs



Content of ERRA template document

- I. Purpose of document
- II. Prerequisites and limitations
- III. iNTeg-Risk framework (provisional)
- IV. Function of template
- V. Content of deliverables
 - A. Content of each ERRA deliverable
 - B. Content of common deliverables from each ERRA
- VI. Format of deliverables
 - A. Documents
 - B. Tools

Annex 1 – Executive summary template (for specific ERRA deliverables)

Annex 2 – Executive summary template (for each ERRA)

Annex 3 – Risk attributes

Annex 4 – Elements of the IRGC framework

Annex 5 – Development of document

Annex 6 – Comments history

IV. Function and purpose of ERRA template

- The **function** of the template is to lay down requirements to the generic results that each ERRA shall deliver to the project as well as the format of deliverables.
- The **purpose** of the template is thus to ensure that the iNTeg-Risk framework becomes filled with the type of content foreseen in the vision of the project and that the content is delivered in a form that is useable in the subsequent project phases.

iNTeg-Risk Framework	IRGC			
ERMF	Pre-assessment	Risk Appraisal	Tolerability & Acceptability Judgment	Risk Management
T	D1.4.4.1 D1.4.4.3	D1.4.4.2	D1.4.4.3	D1.4.4.3
C	D1.4.4.3			
H				
R	D1.4.4.3			

V. Content of deliverables

The ERRA template covers two levels:

- **Deliverable level** (as specified in the DoW), addressed in A
- **ERRA level** (one deliverable per ERRA covering certain common aspects), addressed in B

Note: The second level (ERRA level) is additional to the deliverables described in the DoW.

(It can be seen as a common obligation in order to obtain the goals of the project.)



V. Content of deliverables, cont.

Type A deliverable

Specific ERRA deliverable (Da.b.c.1)

- 0. Executive summary
- 1. Problem description
- 2. Terminology
- 3. Definition of the emerging risk issues
- 4. Status description
- 5. Approach or method used
- 6. Parts of the framework covered
- 7. Results
- 8. Extent results can be generalized
- 9. Need for further work
- 10. List of references

Specific ERRA deliverable (Da.b.c.n)

- 0. Executive summary
- 1. Problem description
- 2. Terminology
- 3. Definition of the emerging risk issues
- 4. Status description
- 5. Approach or method used
- 6. Parts of the framework covered
- 7. Results
- 8. Extent results can be generalized
- 9. Need for further work
- 10. List of references

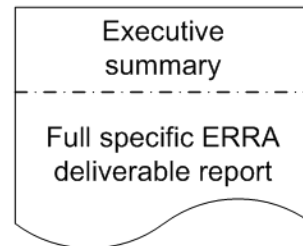
Type B deliverable

ERRA summary deliverable

- 0. Executive ERRA summary
- 1. Problem description for ERRA
- 2. Overview of terminology
- 3. Overview of the emerging risk issues
- 4. Overview of parts of the framework covered
- 5. Summary of results
- 6. Summary of extent results can be generalized
- 7. Summary of need for further work
- 8. Summary of publications produced
- 9. ERRA specific risk communication policies
- 10. ERRA specific risk management principles
- 11. Key Performance Indicators (KPIs)
- 12. Adaptation of the iNTEg-Risk framework
- 13. ERRA database

Overview & Summary

Common challenges



Annex 1

Annex 2

Section V.A

Section V.B

Annex 1 – Executive summary template



Executive summary – specific ERRA deliverable					
Title:					
WP:		Task:		Deliverable:	
Authors:					
1. Problem description					
2. Terminology (most important concepts)					
Term or expression	Definition	Synonyms	Ref. *	Related terms	Formula **
* Referring to the classification in item 10; ** Mathematical formulation (if any)					
3. Definition of the emerging risk issues					

(Continues to include all 10 items)



The IT function is to...

- prepare IT common structure to ensure that ERRA results can be reliably used in SP2, SP3 and SP4
- allow main results to be stored in...
 - a structured and transparent way
 - allowing search and examinations from different point of views
 - and by different users
- allow main results to be characterized/measured both in **qualitative and quantitative** means
- define project's data flow and structure
- assure main results contribute to the iNTeg-Risk "**One Stop Shop**"

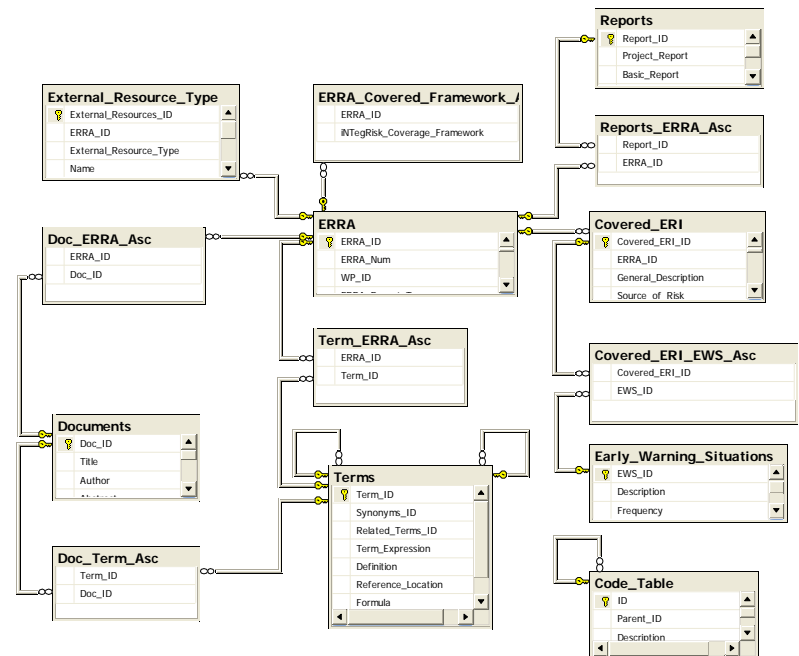
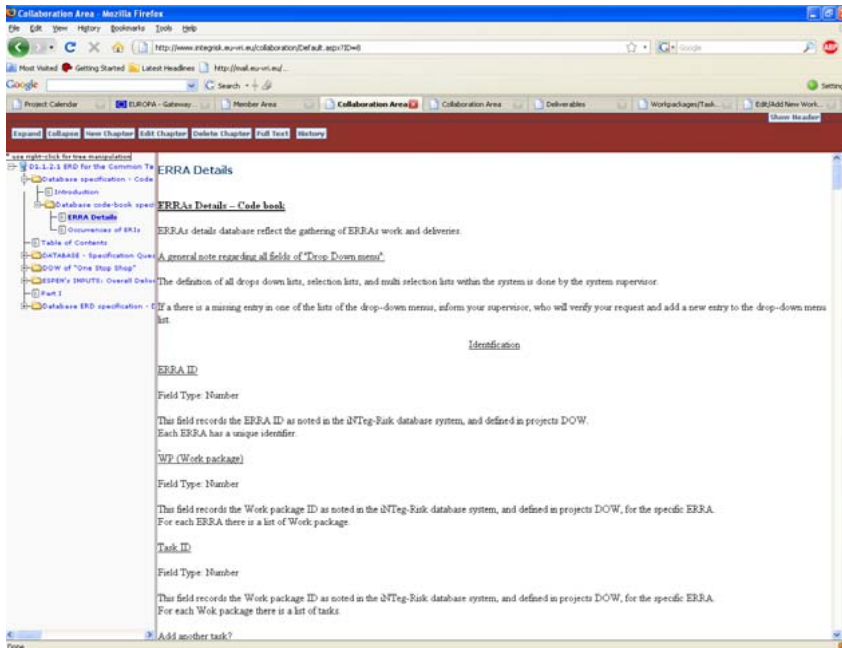


Prepare IT common structure

➤ Analyze ERRAs template and define IT structure which includes:

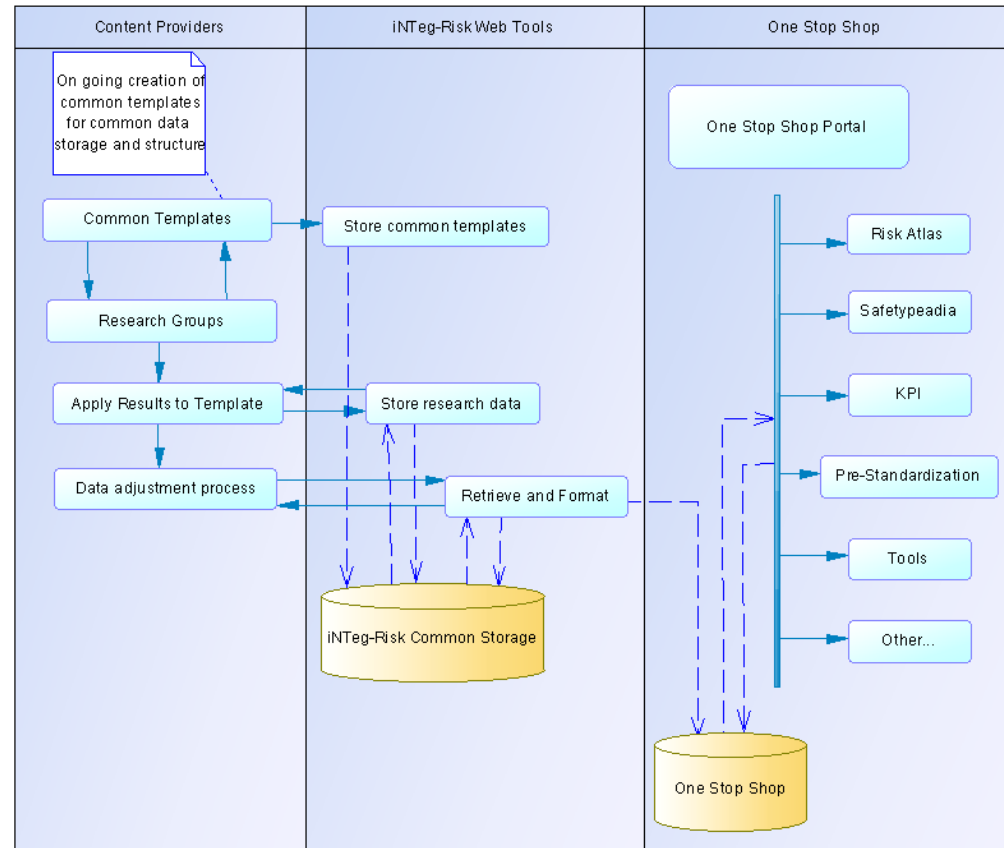
- ERRAs Details “Code-Book” (structured description document)
- Events/occurrences “Code-Book”
- Initial Entity (table) Relation Diagram (ERD)

Each entity/table contains several properties. Entity (table) is defined by its properties. Properties are data fields.



Define project's data flow and structure

- Structures will be defined to meet **qualitative & quantitative** goals
- Templates will be stored in **iNteg-Risk WEB** tools
- Allow structure flexibility and scalability for **data evolvment** throughout project's life cycle

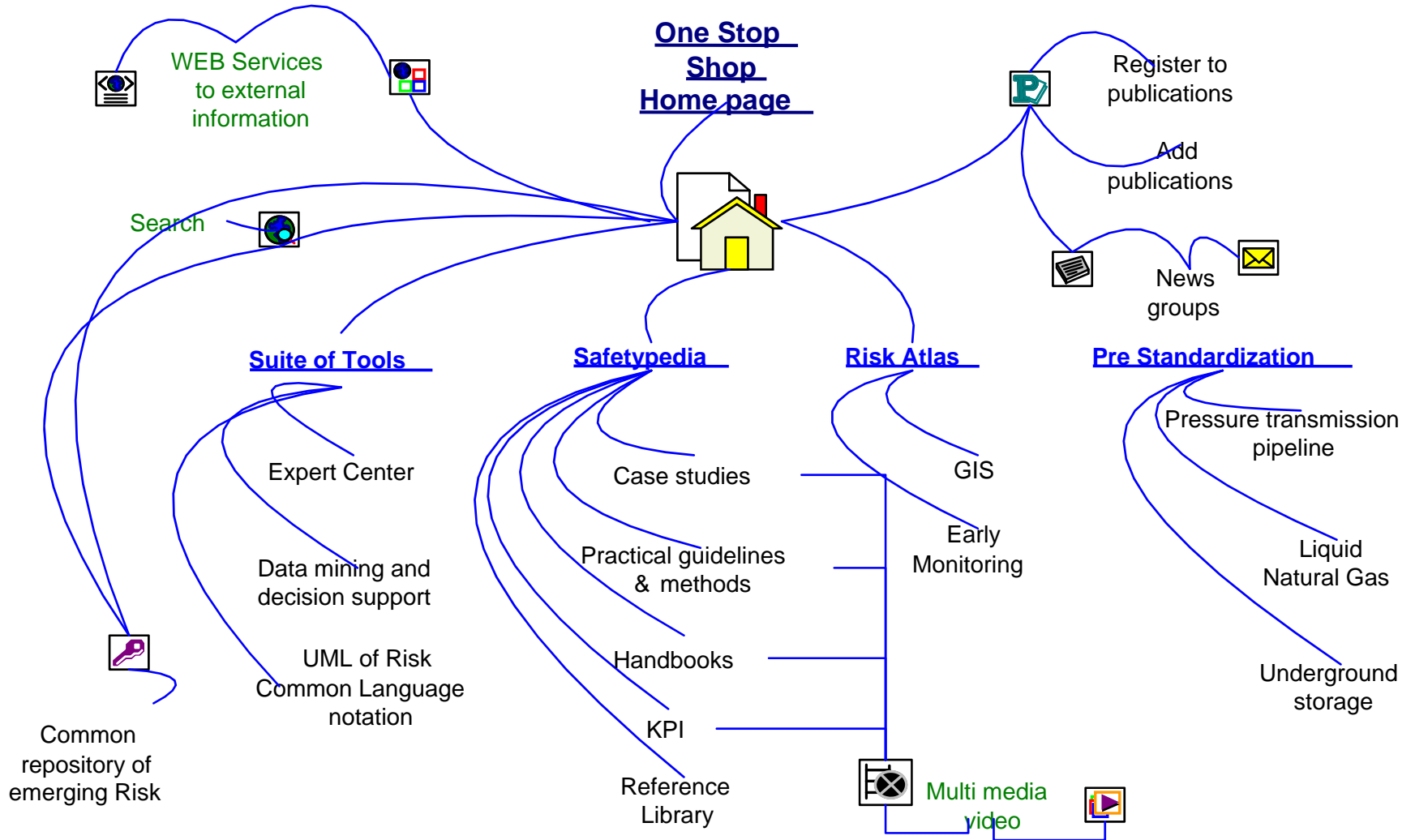


Assure results contribute to “One Stop Shop”



- "Safetypedia" (Wikipedia-like multi authoring and information system) – Safety window to the World
 - Good practice guideline and methods
 - Reference Library
 - Key Performance Indicators (KPIs)
 - Case studies
 - Handbooks
- Risk Atlas
 - Emerging Risk Early Warning & Monitoring System
 - GIS
- Suite of Tools
 - Project Management tools
 - Aiding tools during crisis and emergency situations
 - Expert Center
- European Network for exploration of emerging risks (ENISFER)
- Pre-Standardization
- Training and education
- Intra and inter-perspective search engine

Assure results contribute to "One Stop Shop"



File Edit View History Bookmarks Tools Help

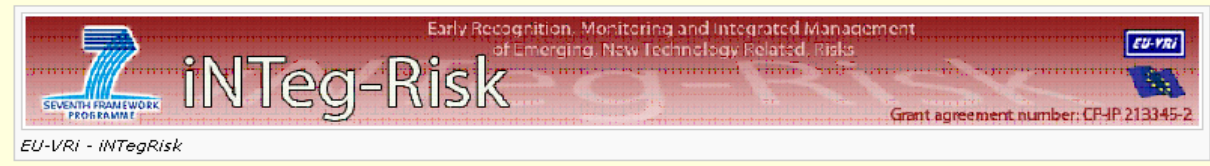
http://localhost/Safetypedia/MainPage.ashx

Most Visited Getting Started Latest Headlines http://mail.eu-vri.eu/...

Google Search

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Safetypedia illustration



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Safetypedia - Main Page Discuss (0) View Page Code History

Modified: 2009/03/14 00:38 by admin - Categorized as: One Stop Shop RSS

(4) » Template Annex 1 » Test » The Sandbox

Welcome to Safetypedia! Edit

Safetypedia is a part of the **One Stop Shop**, promoted by the iNTegRisk project.

And as discribed in iNTegRisk DoW:

iNTeg-Risk "Heart of Knowledge" Edit

The iNTeg Risk vision include in its concept, system, language and technological means a unique value for the EU community. iNTeg Risk project provides exclusively aggregation of knowledge for emerging risks in a common live data-warehouse, with common interface to search, retrieve, compare and add new data. This live 'heart of knowledge' services all stakeholders in applying new emerging risk technologies in a common manner i.e. providing common view to all stakeholders throughout the IRGC Risk Governance Framework (see page x) life cycle while assuring intra and inter communication between the spheres. Communication in and between the spheres is clear, role-based and graphically presented (see UML of risks) to avoid 'wording ambiguously' and reduce time to market in a safer approach. iNTeg Risk framework will serve the EU community Emerging Risks to achieve safer and cleaner EU industry.

Safetypedia area of interest Edit

Please browse to one of the dimension you find interesting.

(T) Technical / technological: Technical knowledge and technologies supporting the knowledge

(H) Human / management: Skills of personnel and organization of the human resources

(C) Governance / communication: A process with clear definition of role and responsibilities of the management of a decision making process involving several stakeholders, and the associated communication organization

(R) Policies / regulations / standards: Clear and complete regulatory framework, standards and norms

Risk Atlas illustration



SEARCH

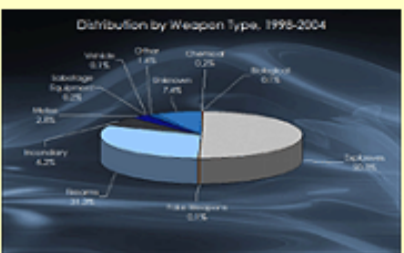
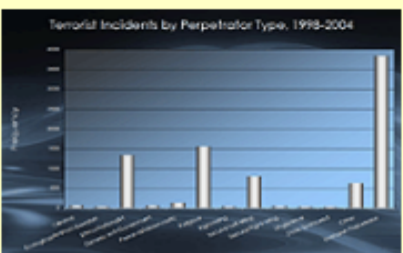
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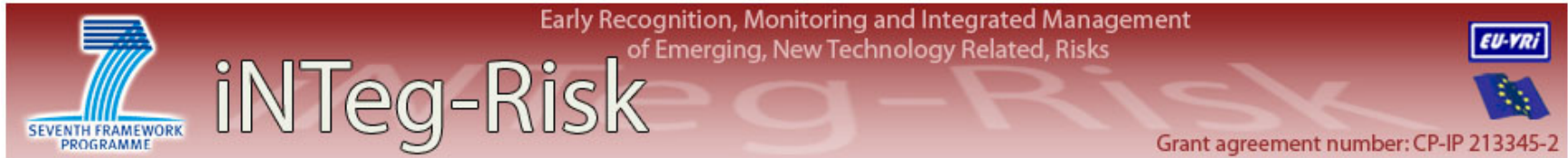


Summary Statistics



[Incidents/problems in CO2 plants...](#)

[Risk perception problems related to nanotechnologies...](#)



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Thank you.

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