



# WP 3.2 Risk Management Framework

## EFFORTS facts

### Effective Operations in Port (EFFORTS)

aims to improve the competitiveness of European port operations and the quality of the ports labour conditions and market, being a prominent one in coastal regions

### EFFORTS WP3.2 – Risk Management

**Framework** aims at providing comprehensive risk information enabling port operators

- To formulate the tasks for risk consulting company to understand risk issues of specific problems
- To provide the complete data for risk experts engaged consultants for detailed investigation and evaluation
- To be aware of the residual risks and how to include them inside contingency plan
- To communicate the risk and how it can be managed towards the residents, port community (third parties) and the port staffs

### WP3.2 – The Results

- **Structured and categorized information** about risk and hazard related issues
- **RAPORTS – Risk Assessment for Ports** as information supporting web-platform of risk assessment for ports
- **Conceptual model and architecture** when dealing risk assessment in port following Formal Safety Assessment

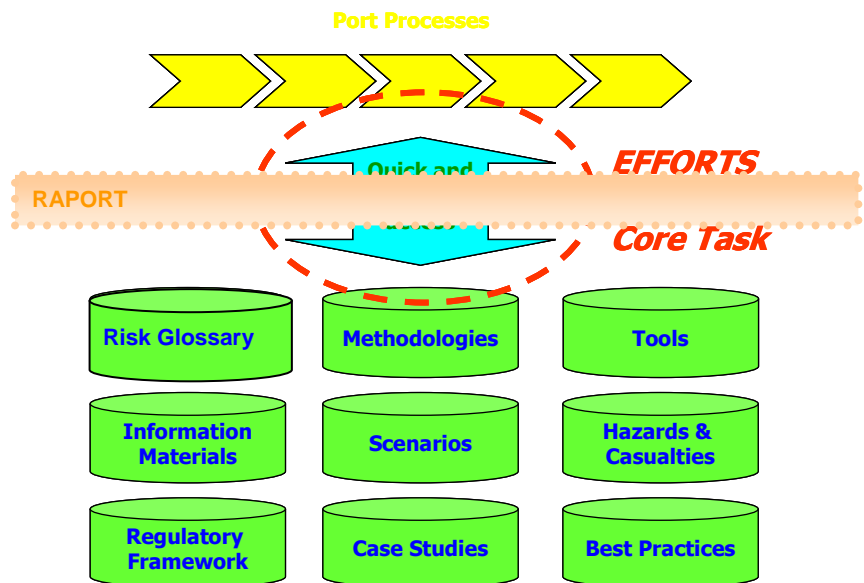
### RAPORT – Guidance for Port Risk Assessment

- **Quick reference** related to port and terminal processes;
- **Easy access** to relevant knowledge to support risk assessment and risk management;
- **Reliable input** to draft contingency plans;
- Clear information to perform the **best practice**.

These tools will be made available at:  
<http://www.efforts-raport.com>

**RAPORT – a web-platform to help you perform the first risk assessment in your port**

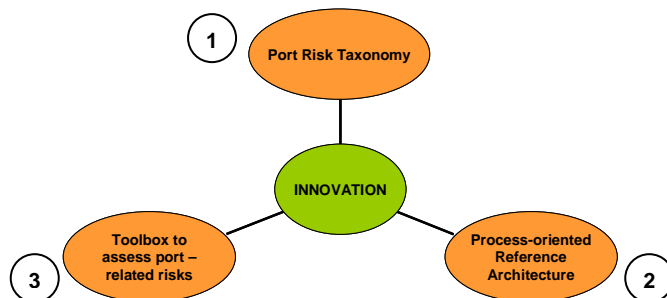
## EFFORTS Risk Management Framework – Conceptual Model



Source: Froese (2008)

EFFORTS Risk Management Framework has the ultimate goals to provide an easily accessible platform for different information regarding risk assessment (represented in green boxes) as well as supporting information for the decision on risk management for the port operators.

Three innovation characteristics of this concept are



The EFFORTS WP 3.2 innovation is contained in a comprehensively organized EFFORTS Risk Assessment Framework which aims at European standards in order to support operational parties in ports as well as regulatory bodies and community parties to agree upon accepted residual risks for port operations.

- By defining port risk taxonomy, all ports will have common understanding when referring to port-related risk issues.
- The process-oriented reference architecture for risk assessment allows each port operators to focus on specific hazards which are related to a specific area of port operation in order to assess the risks and prepare preventive actions on safety and security.
- The toolbox to assess port-related risks helps the port operators to perform risk assessment activities in more convenient and quicker way.





## Who is who in WP 3.2?

### Development Team

D'APPOLONIA (WP Leader)

ISSUS / TUHH

ISDEFE

IST

JRC

### Partner Ports

DPC

PAG

APL

D'APPOLONIA



## RAPORT – Risk Assessment for PORT

### RAPORT Risk Assessment for Port

The screenshot displays the RAPORT web-platform interface. On the left, there are two forms: a 'Login' form with fields for 'User' and 'Password', a 'Remember password' checkbox, and a link to 'Click here' for password change; and a 'Registration' form with fields for 'User', 'First name', 'Last name', 'Position', 'Organization', and 'Email'. On the right, a flowchart titled 'FSA Process' shows five steps: Step 1 Hazard Identification, Step 2 Risk Assessment, Step 3 Risk Control Options, Step 4 Cost / Benefit Assessment, and Step 5 Recommendations on Decisions. The process includes feedback loops for 'New hazard Generation Feedback' and 'Requirement to proceed further'.

Application log-in page of RAPORT web-platform

RAPORT (Risk Assessment for Port) is a web-information platform which supports the port operators (users) to perform their first risk assessment in a specific interested port operation.

This platform will be freely available for public. In order to use the information repositories of RAPORT, no registration is required. For an individual risk assessment project of each port user, a registration will be required for the protection of data confidentiality.

### Benefits for Port Operators

Ability to Identify hazardous operation

Ability to perform the first risk assessment themselves

Ability to apply best practices

Ability to draft risk assessment specification



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