

BE-AWARE risk assessment workshop, Tønsberg, 24-26 Sept. 2012

Task D: Methodology

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TASK D: METHODOLOGY

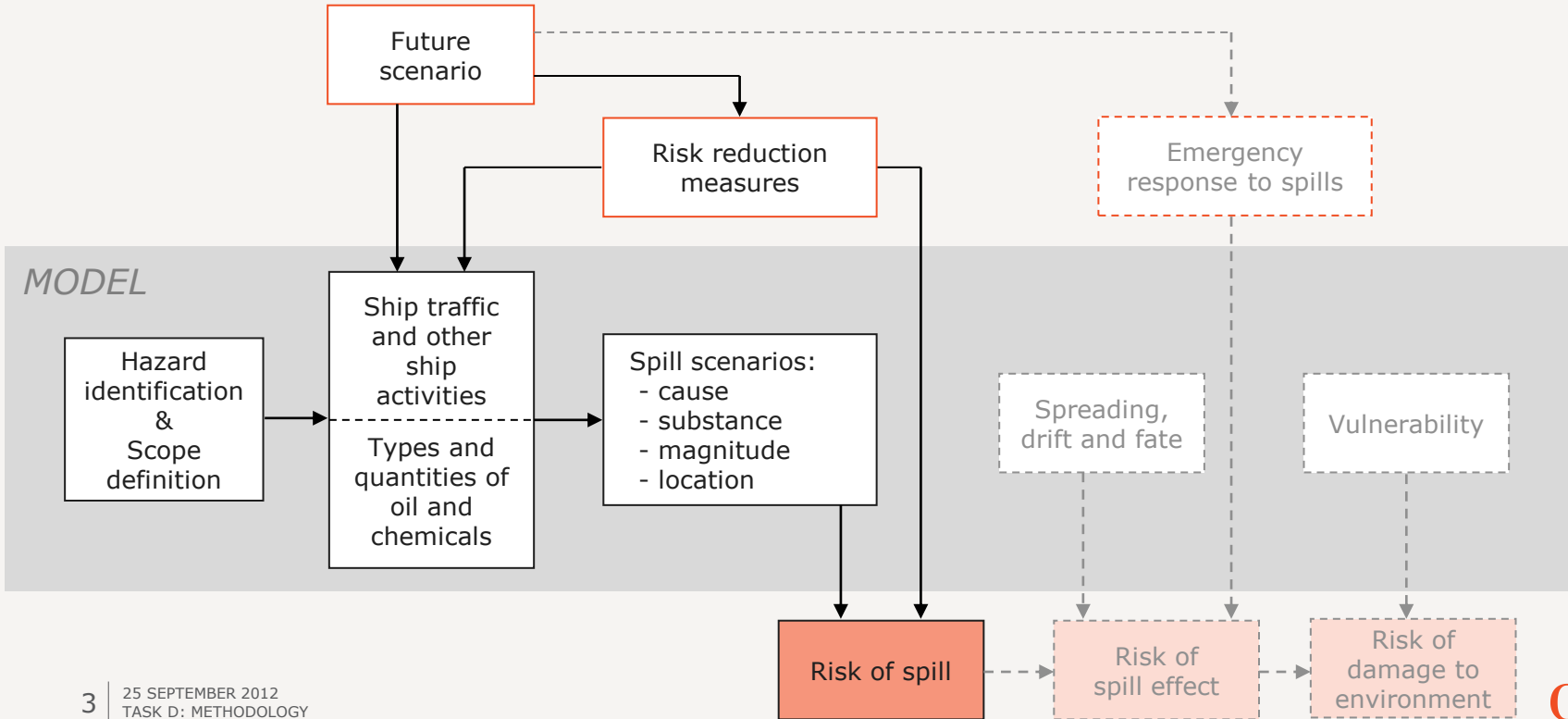


COWI

Project overview

Task	Description	Responsible
A	Project management and communication	Bonn Secretariat
B	Kick-off meeting	Bonn Secretariat
C	Regional resource database	Bonn Secretariat
D	Methodology	COWI
E	Area-wide traffic study	MARIN
F	Sensitivity analysis	MUMM
G	Risk assessment workshop	Bonn Secretariat
H	Bonn Agreement-wide risk assessment	COWI
I	Case study	MARIN
J	Project conference	Bonn Secretariat

Model flow



Development of the methodology note

- > General outline of the methodology
- > Method seminar: Presentation and discussion (27 March 2012)
- > Modification of the method
- > Draft methodology note (3 July 2012)
- > Comments from the project partners
- > Methodology note, version 1.0 (2 August 2012)

Methodology note

- > Defines the general scope
- > Defines the method of
 - > Task E (Area-wide traffic and use study)
 - > Task H (Risk assessment)

- > E3 Cargo transport analysis
- > E4 Future traffic model 2020
- > E5 Offshore installation risk analysis

- > H1.1 AIS traffic model
- > H1.3 Modelling of accidents and oil releases

- > H7 Qualitative assessment of HNS risks

Modifications to the general scope (compared to BRISK)

Modifications as decided at the
Method Seminar:

- > Illegal spills not to be included
- > Offshore installations to be analysed
in more detail

Adjustments since the Method
Seminar:

- > *None*

Method modifications to Task E3 (Cargo transport analysis)

Modifications as decided at the
Method Seminar:

- > 2008 cargo data from LLI
- > 2011 cargo data from major ports

Adjustments since the Method
Seminar:

- > 2011 dangerous goods reports
- > 2011 cargo data from major ports
- > 2011 SafeSeaNet data from EMSA

Method modifications to Task E4 (Future traffic model 2020)

Modifications as decided at the
Method Seminar:

- > Literature study on future wind parks to be included

Adjustments since the Method
Seminar:

- > Prognosis on filling rate of anchorage areas to be included

Method modifications to Task E5 (Offshore installation risk analysis)

Modifications as decided at the
Method Seminar:

- > Collision risk based on COWI's AIS traffic data analysis (Task H1.1)

Adjustments since the Method
Seminar:

- > Collision risk based on both COWI's AIS traffic data analysis + MARIN's own AIS data analysis

Method modifications to Task H1.1 (AIS traffic model)

Modifications as decided at the
Method Seminar:

> *None*

Adjustments since the Method
Seminar:

> Decision on whether to include
fjords and estuaries: Postponed
until preliminary results are ready

Method modifications to Task H1.3 (Modelling of accidents and oil releases)

Modifications as decided at the
Method Seminar:

- > Ships at anchor to be included
- > Drift grounding to be analysed with physical model (not just statistics)

Adjustments since the Method
Seminar:

- > *None*

Method modifications to Task H7 (Qualitative assessment of HNS risks)

Modifications as decided at the
Method Seminar:

- > General information on what is transported on which ships
- > Density plot for different groups of HNS

Adjustments since the Method
Seminar:

- > Packed HNS also to be taken into account

