

# Welcome to HNS-MS final stakeholders meeting!



## HNS-MS original idea

To develop a decision-support tool that national maritime authorities and coastguard stations will activate in order to forecast the drift, fate and behaviour of acute marine pollution by Harmful Noxious Substances (HNS) accidentally released in the marine system.

**With the support of:**



**Bonn Agreement**  
Accord de **Bonn**



PREMIER  
MINISTRE

S G

M L

SECRETARIAT  
G E N E R A L  
D E L A M E R



federal public service

**HEALTH, FOOD CHAIN SAFETY  
AND ENVIRONMENT**



# HNS-MS administrative ID card

- A 2 year project running from 01/01/2015 till **31/03/2017**
- Total budget : 645.283,00€ co-funded at 75% by EC / DG-ECHO



## 1. Royal Belgian Institute of Natural Sciences (ex. MUMM)

Operational marine forecast, including oil spill / Marine Chemistry / Web & App / EIA & monitoring in case of pollution of the marine system



## 2. Centre de documentation, de recherche et d'expérimentation sur les pollutions accidentelles des eaux

Large knowledge on HNS (SEBC – MAR-ICE) / Marine Chemistry facilities for HNS / Response / Socio-economic impact



## 3. Ecoles des mines d'Alès

Expertise in risk management / CLARA, a first HNS drift and fate model / Lab facilities / MAIA HNS data base



## 4. Alyotech

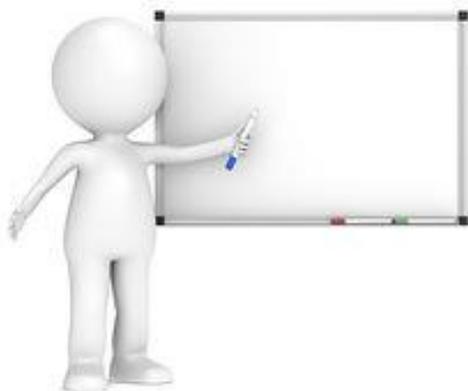
Consulting in technology, including oceanographic modelling / Modelling experience in blow-out & gas dilution in marine environment



## 5. Belgian DG-Environment

Belgian Maritime Authority / Outreach towards stakeholders including Bonn Agreement / End users of the HNS-MS decision-support tool.

# The meeting objectives



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- To present and discuss the results of the HNS-MS project obtained so far

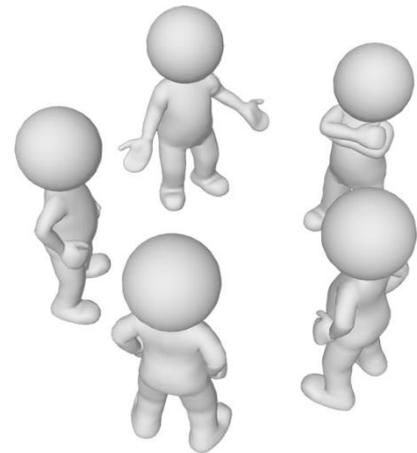
- To get your feedback



- To exchange experience on maritime pollution in general

# Participant's input and feedback sheet

- Per table, discuss and report:



**Fit for purpose:** Do you believe the results presented in this session will help improving the preparedness to face HNS pollution of the marine system? According to you, which aspects are relevant? Which are less relevant? Why?

**Knowledge gaps**– Please write down any relevant knowledge gaps in the framework of the session, including relevant subjects not or insufficiently dealt with in the project?

**Future directions** – Please write down your priorities to be addressed in a future project. If possible, suggest the right approach/methodology, relevant partners, etc.

- Input and feedbacks will be used
  1. to wrap up the first and second days
  2. to animate the discussion “Which future for the HNS-MS project?”

# Agenda 13/12

|   |  |   |
|---|--|---|
| <b>9h30</b>   | <b>Registration and coffee</b>   |   |
| <b>Session 1 : Opening</b>  |  |   |
| <b>10h00</b>  | Welcome word by SPF-Public Health, Food Chain Safety and Environment     | E. Donnay (FPS)   |
| <b>10h10</b>  | Welcome word by HNS-MS consortium  | S. Legrand (RBINS)  |
| <b>10h20</b>  | HNS pollution of the marine environment                                  | W. Nordhausen (EMSA)  |
| <b>10h50</b>  | Objectives of the HNS-MS project   | S. Legrand (RBINS)  |
| <b>11h20</b>  | Discussion   | <b>Session 3 : Understanding HNS behaviour in the marine environment</b>        |
| <b>11h40</b>  | <b>Coffee break</b>  | <b>14h00</b> Why Lab experiments? S. Le Floch (CEDRE)                           |
| <b>Session 2 : Harmful and Noxious Substances</b>                           |  |   |
| <b>12h00</b>  | Characterising HNS   | <b>14h10</b> Understanding HNS behaviour at the sea surface S. Chataing (CEDRE) |
| <b>12h30</b>  | A freely accessible HNS data base  | <b>14h40</b> Understanding HNS behaviour in the water column L. Aprin (ARMINES) |
| <b>12h45</b>  | Discussion   | <b>15h10</b> Discussion ALL   |
| <b>13h00</b>  | <b>Lunch break</b>   | <b>15h30</b> <b>Coffee break</b>  |
| <b>Session 4 : Environmental and socioeconomic impacts of HNS pollution</b> |  |   |
|   | <b>16h00</b> Methodology   | F. Poncet(CEDRE)  |
|   | <b>16h20</b> Regional sensitivity maps atlas for the Bonn Agreement Area | F. Poncet (CEDRE)   |
|   | <b>16h40</b> Towards operational sensitivity maps atlas                  | F. Poncet (CEDRE)   |
|   | <b>17h00</b> Discussion  | ALL   |
|   | <b>17h30</b> Wrap-up of the first day                                    | S. Legrand (RBINS)  |
|   | <b>19h00</b> <b>Social Event : Walking diner at the BELvue museum.</b>   |   |

# Agenda 14/12

## Session 5 : Modelling HNS behaviour in the marine environment

|              |  |                           |
|--------------|--|---------------------------|
| <b>9h00</b>  | Introduction : Modelling philosophy        | S. Legrand (RBINS)        |
| <b>9h10</b>  | The release scenarios                      | S. Legrand (RBINS)        |
| <b>9h30</b>  | The near field model, CHEMSPELL            | Y.-H. Hellouvy (Alyotech) |
| <b>9h50</b>  | The far field model, HNS-MS                | S. Legrand (RBINS)        |
| <b>10h10</b> | The atmospheric dispersion model, CHEMADEL | Y.-H. Hellouvy (Alyotech) |
| <b>10h30</b> | Discussion                                 | ALL                       |

## 11h00 Coffee break

## Session 6 : The HNS-MS Decision Support System

|              |   |                    |
|--------------|---|--------------------|
| <b>11h30</b> | Description of the HNS-MS Decision Support System | S. Legrand (RBINS) |
|--------------|---|--------------------|

|              |            |
|--------------|------------|
| <b>12h30</b> | Discussion |
|--------------|------------|

## 13h00 Lunch break

## Session 7 : HNS related projects and future of the HNS-MS project

|              |  |                                    |
|--------------|--|------------------------------------|
| <b>14h00</b> | Introduction   | S. Legrand (RBINS)                 |
| <b>14h10</b> | BE-AWARE I and II projects   | J. Mouat<br>(Bonn Agreement/Ospar) |
| <b>14h25</b> | MARPOCS project  | R. Fernandes<br>(Action Modulers)  |
| <b>14h40</b> | Mariner Project  | R. Fernandes<br>(Action Modulers)  |
| <b>14h55</b> | Which future for the HNS-MS project?<br>Discussion on the possible follow-up actions | ALL                                |
| <b>16h00</b> | <b>Conclusion and closure of the meeting</b>   | S. Legrand (RBINS)                 |