

# Welcome to the 2<sup>nd</sup> day of the HNS-MS stakeholders meeting!



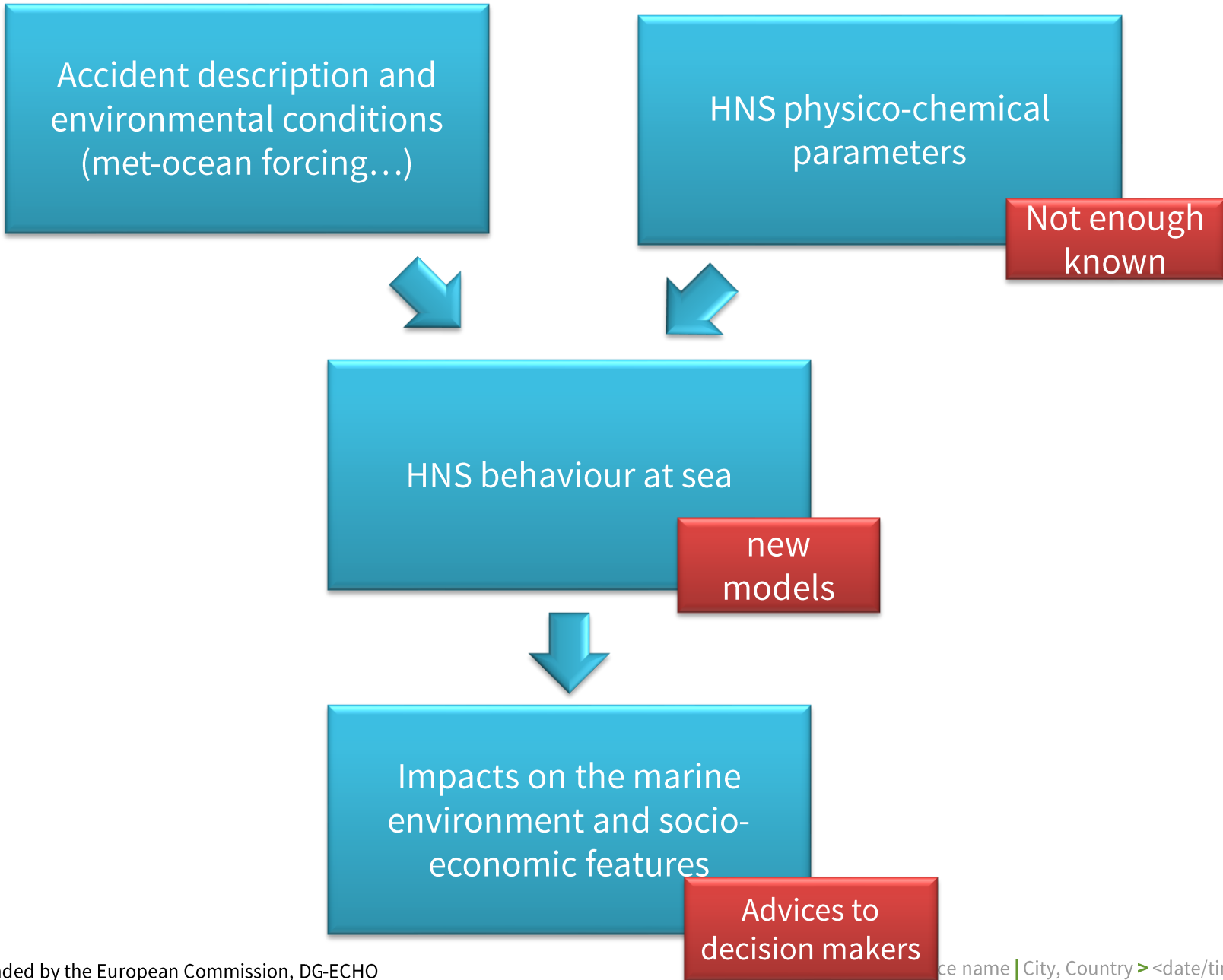
# HNS-MS original idea

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.



Bonn Agreement  
Accord de **Bonn**

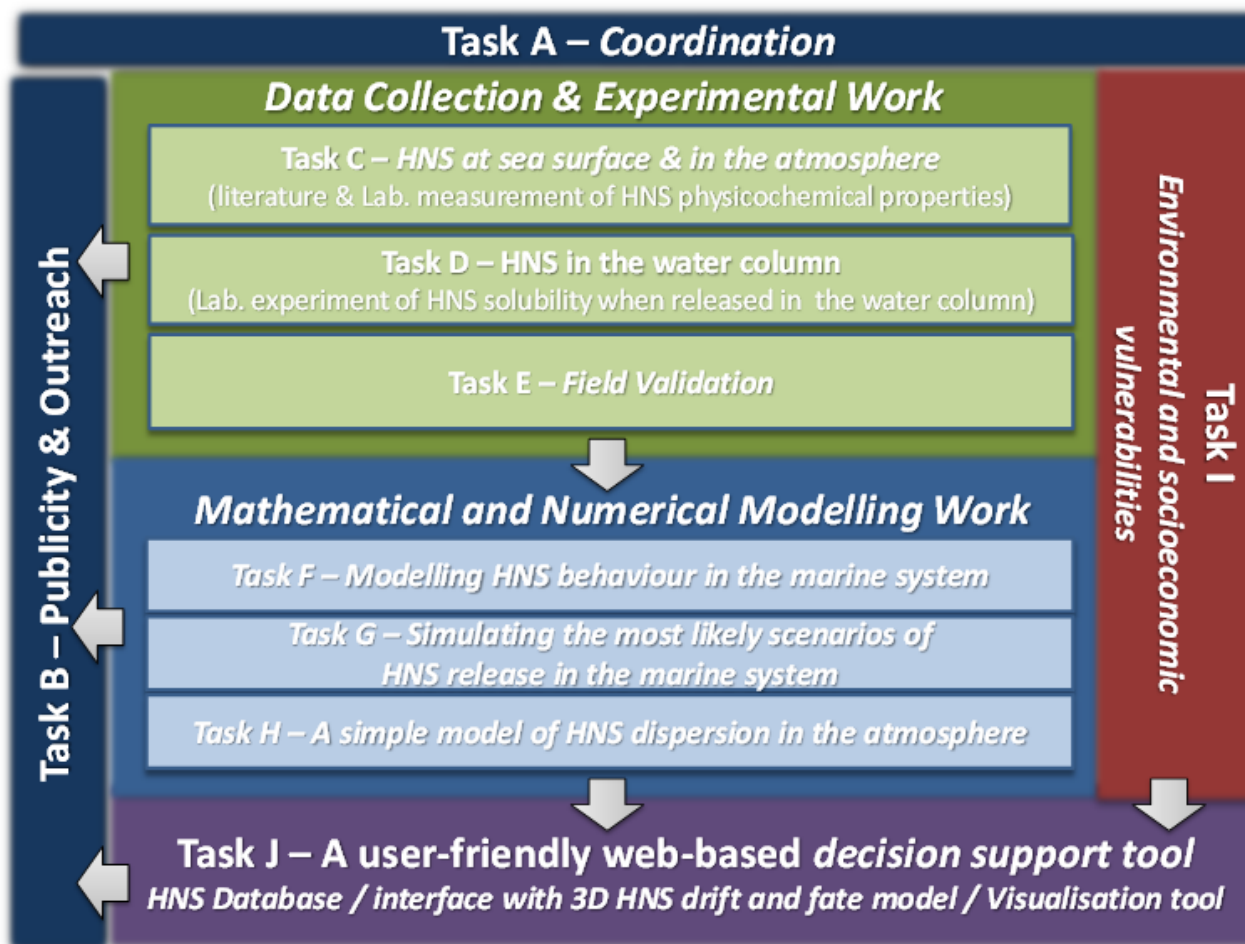
& Bay of Biscay





Understanding physico-chemical processes that drive the behaviour and fate of the HNS in the marine environment

# The HNS-MS concept





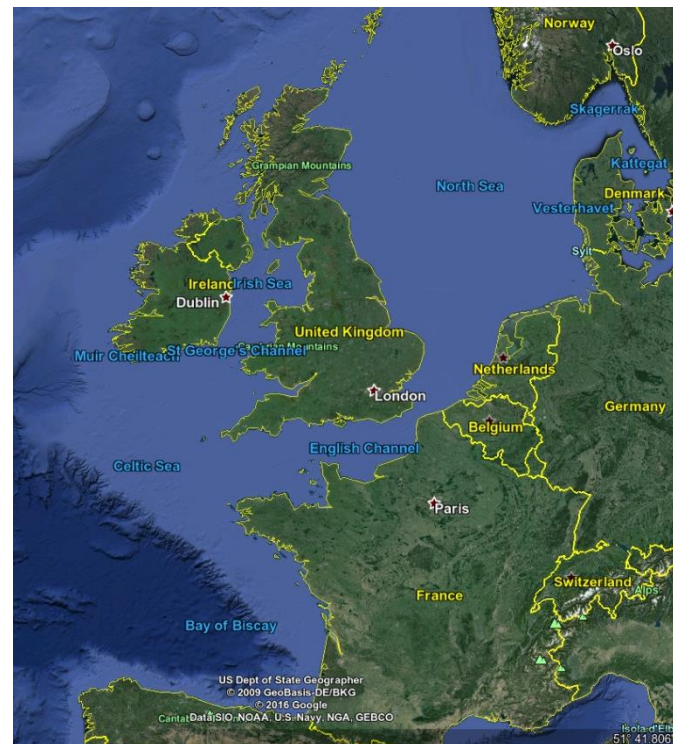
# All the complexity cannot be tackled, especially in a framework of a 2 year project !

“Let’s focus on one region  
and be a demonstrator for the other regions”

- Area of interest :
  - Bonn Agreement area
  - Bay of Biscay

“Let’s focus on a limited number of process”

- Out of the scope of this first project:
  - Chemical reactions
  - Explosions and fire
  - Interaction with SPM





## HNS-MS results

### **Developing a decision-support tool for HNS spills in the Bonn Agreement area and Bay of Biscay**

- ✓ A HNS data base with physicochemical parameters suitable for computing fate of HNS spilt at sea
- ✓ Maps atlas of environmental and socioeconomic HNS-sensitive resources
- ✓ A 3-dimensional HNS spill drift and fate mathematical model
- ✓ A user-friendly web-based tool accessible 24/7 by Coastguard stations



# Agenda 14/12

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

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

## 11h00 Coffee break

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

11h30	Description of the HNS-MS Decision Support System	S. Legrand (RBINS)
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12h30	Discussion
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## 13h00 Lunch break

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

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

