

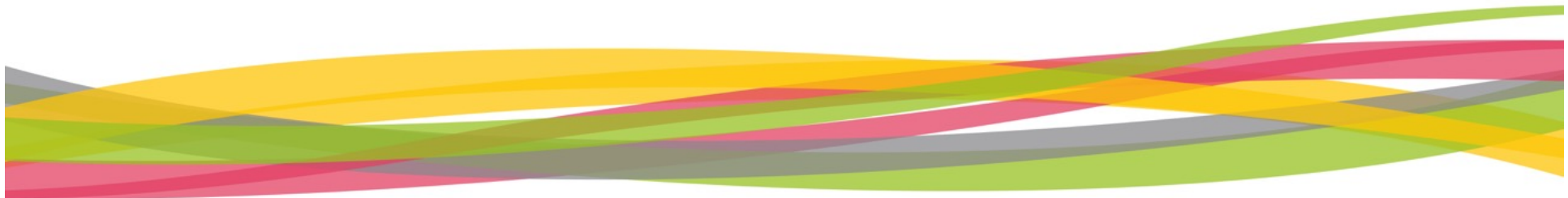
# North Sea Conference 2015

## Workshop Maritime Innovation

Maaïke Beld (RVO)

Martijn de Vries (EnableMi)

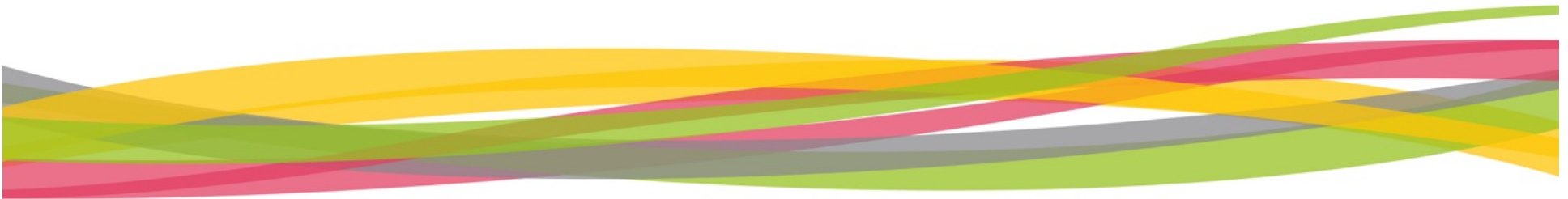
Assen, 16 June 2015



# North Sea Conference 2015

Workshop goals:

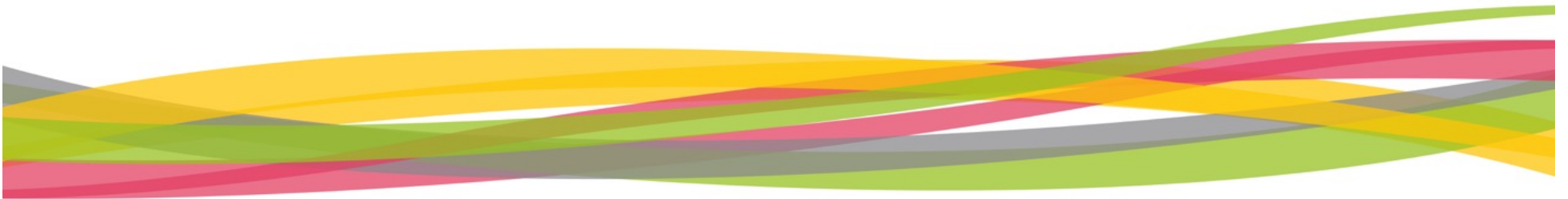
- Inspiration for project development
- Invitation to participate in projects as presented



# North Sea Conference 2015

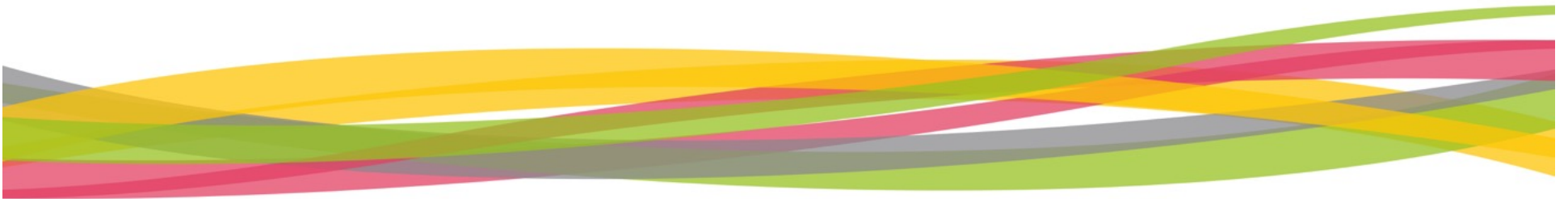
Workshop agenda:

- Introduction on Maritime Innovation in relation to Interreg VB NSR
- 3 pitches
- Closure



# North Sea Conference 2015

Introduction on Maritime Innovation in relation  
to Interreg VB NSR (Green Mobility & Transport)



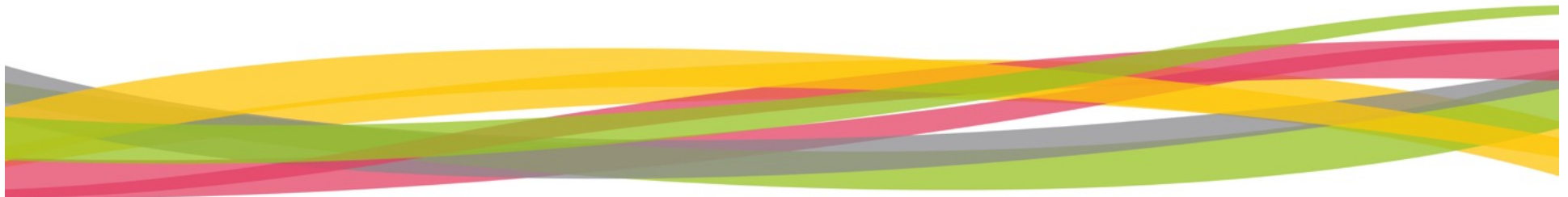
# North Sea Conference 2015

## PITCH 1

### *Oil- and Chemical Spill Prevention and Removal in the North Sea Region*

Piet Alberts, TCNN

The Netherlands





**Interreg**  
**North Sea Region**



European Regional Development Fund

# TechnologieCentrum Noord- Nederland

## Oil & Chemical Spill North Sea Region

North Sea Conference 2015

The Netherlands, Assen, June 16th 2015

Samenwerken aan Innovatie



# Project Overview

**“Let’s make an irreversible step in Oil- and Chemical Spill Prevention and Removal in the North Sea Region”**

- Challenges
- Work Packages
- Project Features
- Partners Sought



# Research





# Exchange of Knowledge



# Development of Products and Services



# Traffic Management Systems



**NORTH SEA**

Mollweide Map Projection



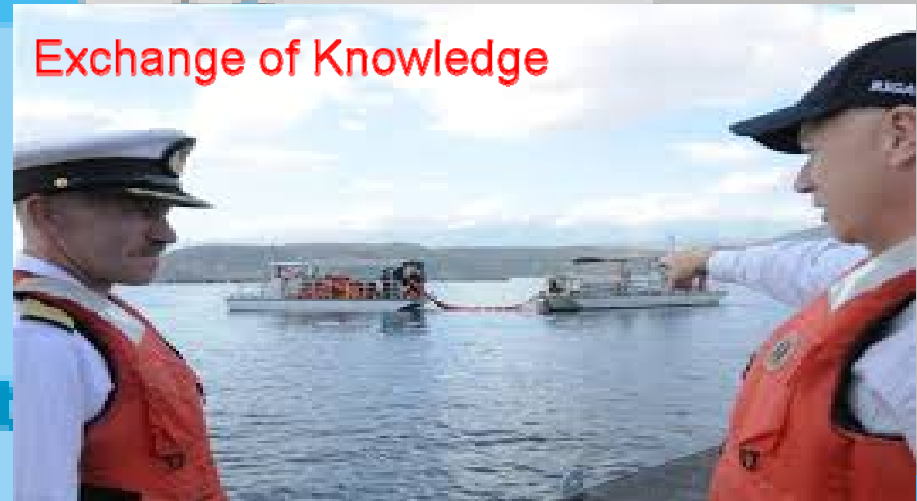
worldatlas

# Project Overview

Research



Exchange of Knowledge



Development of  
Products and Services



Traffic Management Systems



©GraphicHapp.com

France

Luembourg

[www.tcnn.nl](http://www.tcnn.nl)

Thank you for your attention  
Feel free to contact Piet Alberts:

[pietalberts@tcnn.nl](mailto:pietalberts@tcnn.nl)

+31 (0)50 – 575 28 26



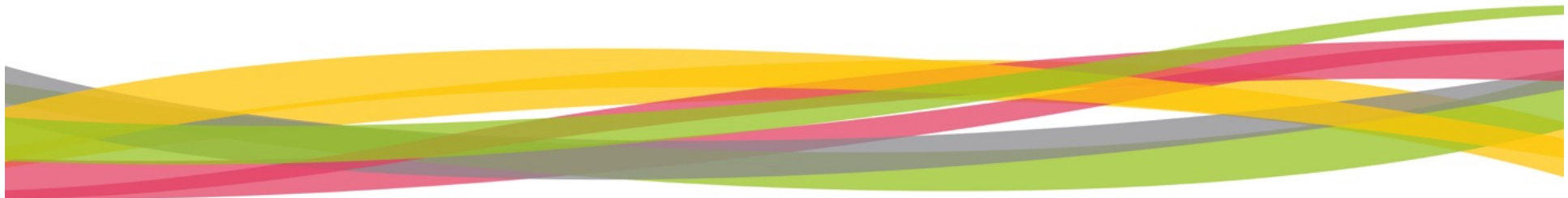
# North Sea Conference 2015

## PITCH 2

### *Inland Waterway Transport Solutions*

Robbert van Hasselt, IDMM

The Netherlands





# **#INLAND WATERWAY TRANSPORT SOLUTIONS**

Interreg 5B: Priority 4. Green transport and mobility.

Objective 4.1.: Develop demonstrations of innovative and/or improved transport and logistic solutions with potential to move large volumes of freight away from long-distance road transportation.



## #INLAND WATERWAY TRANSPORT SOLUTIONS

Smaller/remote waterways are in decline, smaller ships for these waterways are old and not meeting modern green and safe standards, aging of crews does not increase innovation capacities and crewing will be one of the future problems. Both ships and their crews are very often older than 60 years!



# \*WHAT HAPPENS AFTER TEN-T FOR INLAND WATERWAY TRANSPORT?

\*Many Ships and Skippers are older than  
60 years!

\*Investment cycles of 30 years!

\*Use IWT or loose it 😊









\* **#INLAND WATERWAY TRANSPORT SOLUTIONS**





## #INLAND WATERWAY TRANSPORT SOLUTIONS

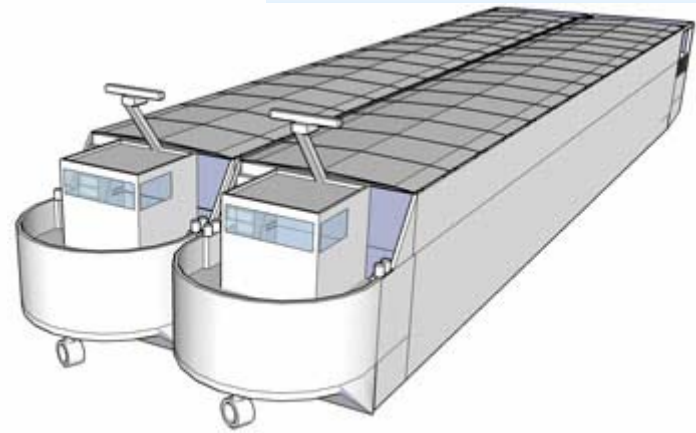
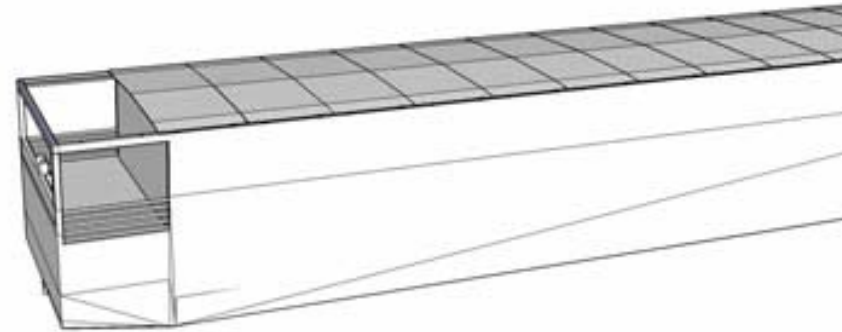
Road transport, emissions, road congestions will increase and use of remote waterways potentials will decrease considerably if no further actions will be made. Once ships, channels and other waterway infrastructures are not any more in operation, waterway transport probably will not come back any more.

Ships, terminals, waterway infrastructures have to deal with 30 years investment cycles; investments will shift towards road transport, resulting in more emissions, fossil fuel consumption and road congestions.

\* **#INLAND WATERWAY TRANSPORT SOLUTIONS**



## \* #INLAND WATERWAY TRANSPORT SOLUTIONS







**\* #INLAND WATERWAY  
TRANSPORT  
SOLUTIONS**

**\* HOW to INCREASE IWT?**

**STRATEGIES TOWARDS GREEN  
IWT?**

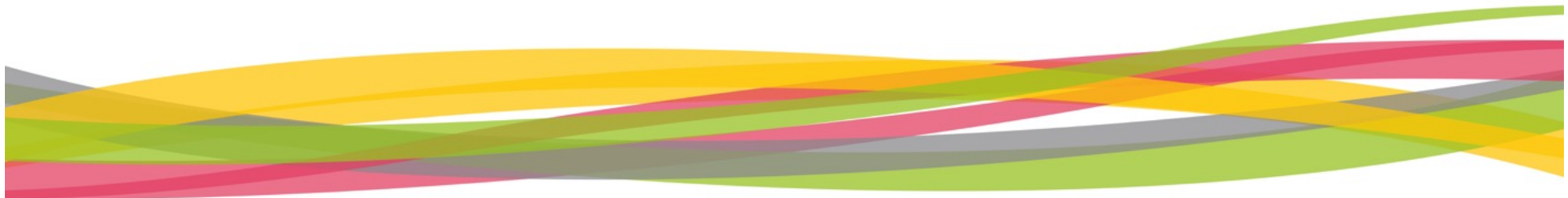
# North Sea Conference 2015

## PITCH 3

### *Re-use of off-shore energy infrastructure*

Ingrid Klinge, Energy Valley

The Netherlands

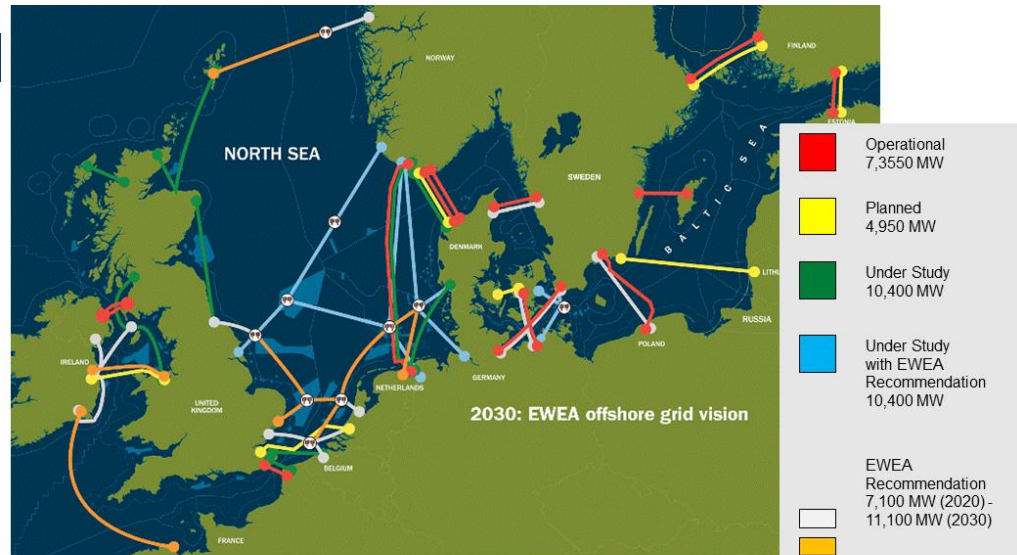




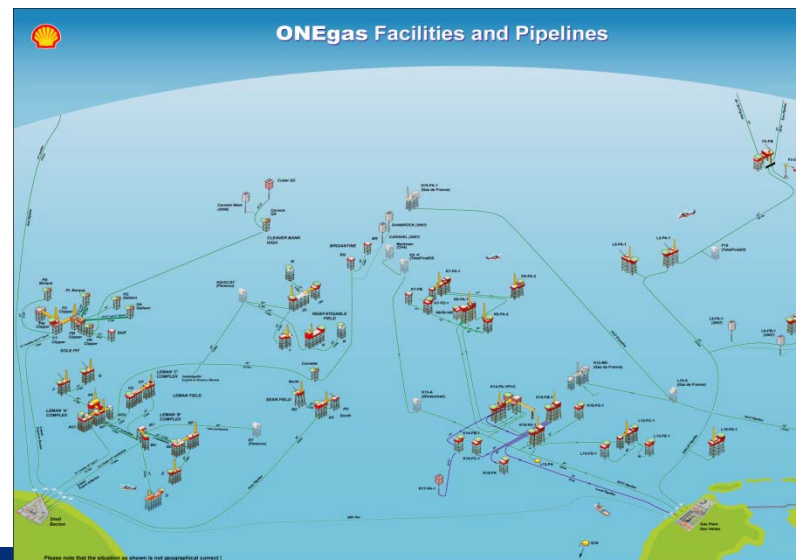
Ingrid Klinge, Team manager Knowledge and Internationalisation



# What is happening on the North Sea?



Source: Siemens AG 2010, Energy Sector



**What are the key flagship projects?**



**International collaboration for cost reduction in roll out of energy infrastructure, build up of world class industry.**

how to reconcile the anticipated **decommissioning of the about 600 oil and gas platforms** and related grids with the potential to use at least part of such infrastructure for **modern renewable based energy such as P2G, CO2 enhanced recovery oil & gas ,storage and natural gas.**

longer term infrastructure for macro-algae and wave energy and big biotrade region (biobased economy).

**Clever regional development** (where to invest in what and when).  
how to **optimally design** - both in terms of **spatial planning** and of **economics** - the North Sea area power and **gas grid**, as well as **wind farms and other energy related installations,**

# Thank you for your attention

