



**Flanders**  
State of the Art

# PIANC WG 210 on Smart shipping on inland waterways

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Region of Flanders

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Geneva, UNECE SC.3

November 7th 2019



# The creation of PIANC WG 210

- Why is there the need for a PIANC WG on smart shipping?
  - To share knowledge and experience
  - To develop a cross border conceptual framework
  - ....
- Members
  - The Netherlands, Belgium, China, Austria, U.S, Denmark, Germany, France, South – Korea,..

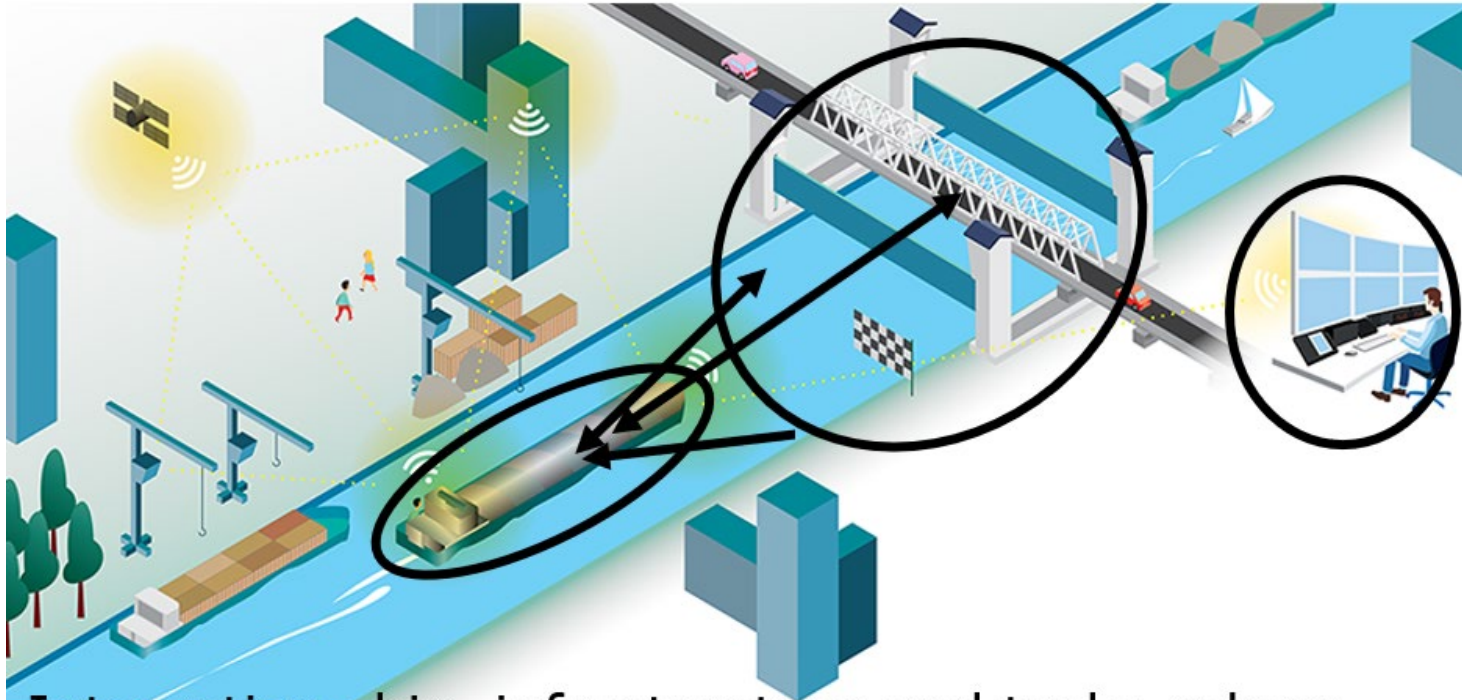
# What is meant by smart shipping?

- Smart vessels
- Smart traffic management and infrastructure
- Smart travel and transport
- Smart regulation and facilitation

# ToR - Scope

- Inland waterways and inland navigation
- Interaction with waterway infrastructure
- Influence on the task and roles waterway authorities
- Influence on legal framework

No focus on: the development of a smart ship



Interaction ship, infrastructure and tasks ashore

# Outcome

- ▶ **Final report: (preliminary) table of content**

- Introduction

- An overview of terms and definitions

- An overview of existing developments/knowledge

- A description of use cases

- Impact analyses based on use cases

- Proposals for follow up research questions for the next phase

- Conclusion

- ▶ **Library of relevant documents**

- Articles, reports, presentations,...

# State of affairs of the ongoing work

- ▶ Inventory of existing developments
  - Analyzing smart shipping projects
  - Describing the use cases
  - ....

**Thank you for  
your  
attention!**

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