PIANC WG 210 on Smart shipping on inland waterways

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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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