The Future of Maritime Safety & Security and Clean Shipping in the Baltic Sea Region

May 30 2017, Brussels

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EU STRATEGY FOR THE BALTIC SEA REGION
FLAGSHIP

WINMOS II

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Winter Navigation Motorways of the Sea

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WINMOS II

WINMOS II – Basics.

- Through partnership between public, private and academic entities WINMOS II aims to:
  - further develop and enhance the winter navigation system and its safety;
  - ensure safe and reliable winter traffic in cost efficient way in the Baltic Sea area;
  - safeguard required icebreaking resources in the future by developing new options and improving old capacity .
- Budget ~19M€; CEF (MoS) funding 6,6M€
- Implementation period: Feb 2016 – Oct 2019
- Partners: Finnish Transport Agency (coordinator), Swedish Maritime Administration, Arctia Icebreaking Ltd., Novia University of Applied Sciences, Aalto University, Estonian Maritime Administration and ILS Oy.

WINMOS II – Activities.

- Environmental benefits, reduction of fuel and emissions
  - Battery hybrid for safer and more environmentally friendly operation
  - Further development of the Common Rail system
- Life extensions and alternative options
  - Life extension of Finnish icebreakers (IB Voima and IB Sisu)
  - Study on life extension of Estonian icebreakers
  - Study on removable-bow concept
- More efficient use of resources
  - Implementation and further development of IBNext
  - Development of icebreaker training
  - Study on adequacy of icebreaking capacity and level of service in Baltic Sea during severe winters

WINMOS II – Results.

- Most important results:
  - Ensuring sufficient icebreaking capacity in the future due to tightening energy effiency and emissions requirements which decrease vessels' icegoing capability.
  - Tools for more efficient use of resources in winter navigation.
- Contribution to maritime sector and policy:
  - Ensuring maritime safety during winter time.
  - Improving efficiency of maritime transport around the year in the Baltic Sea.

www.winmos.eu

WINMOS II

Thank You.

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