



Policy Agenda

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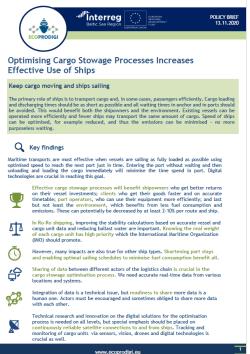
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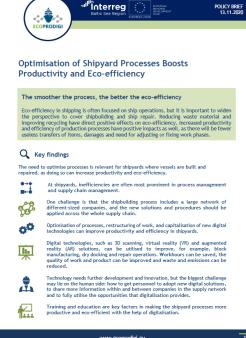


Policy Agenda of ECOPRODIGI

- Policy agenda is based on the policy briefs which were published on the 13th of November
- There are three separate policy briefs one for each case of the ECOPRODIGI project but the policy agenda includes all cases
- Policy agenda concentrates on recommendations and instruments for implementation
- Policy agenda will be published before Christmas











Common elements

- There are some basic elements which are shared by all three technology cases studied in the ECOPRODIGI project
- These elements should receive special emphasis both on national and international levels in order to fully utilise the possibilities provided by digital solutions
- Usability of these solutions and applications is in many cases not restricted to the maritime sector but they can be applied to use in many other sectors as well







Technology

- A good base level for making the maritime industry more efficient and sustainable through digitalisation is already existing
- There is huge potential to be achieved by further development of technology, solutions and applications
- Just the first steps on the road of digitalisation has been taken yet
- It has to be assured that research, development and innovation work on this subject area gets enough funding on both EU and national levels
 - > Technology development funds and programmes are examples of suitable tools
- Investments in RDI activities will be paid back by higher productivity, safer working environment as well as less fuel consumption, emissions and waste





Standardisation

- Standardisation of several things and procedures promotes the utilisation of digital solutions
- Reliable, secure and fast transfer of information is one of the most important necessities in digitalised operational environment
- The International Maritime Organization (IMO) has a crucial role in the standardisation
 procedure of maritime matters and the International Organization for Standardization (ISO) in
 general, but EU can promote standardisation for its part
- Benefits of standardisation are not limited to digitalisation, but they are obvious also in safety and security matters as well in environmental issues
- One good example is cold ironing, the provision of onshore electricity to power ships while at berth
 - > The needed technology has been available for a long time already, but lack of standardisation limited its implementation
 - > At last in 2019 an international standard was achieved and this will strongly enhance the use of cold ironing





Education and Training

- New digital technology and solutions as well as standards are essential, but training and education are key factors to get personnel to adopt new digital solutions
 - Technology without personnel's will and skill to use it is worthless
 - ➤ The digitalisation theme should be included both in basic education programmes and in further education courses
 - > Training of crews both onboard and onshore (incl. port terminals), employees in shipyards and in their network as well as clients
 - Simulation-based training and skill building is one recommended option
- Need for training and education applies to all cases presented in this policy agenda and should be noted on all possible levels and institutions from educational institutions to political decisionmakers on local, national and international levels
- Education is a top priority and lifelong learning is an essential part of every employee's working life





Thank you!

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