

Work Package – Market encourages European competitiveness in logistics and mobility services while striving for supply chain decarbonization, facilitate know-how transfer to cope with the challenges linked to Europe's new industrial future and circular economy making shipping fit-for-future, promote a cooperative approach between IWT and other transport modes to pool resources, offer integrated solution and to facilitate a further integration of IWT into EU and national policies and initiatives meant to attract higher volumes and thus contribute to a higher modal share.

WP1.: Market

- [D1.1 Report on technology, logistics, and communication innovation for IWT market development and logistic integration](#)
- [D1.2 Report on gap analyses on R&D to promote market uptake conditions](#)
- [D1.3 Report on best practices, recommendations on further integration of IWT in synchro modal logistics chains](#)
- [D1.4 Report on economic barriers to modal shift: challenges & best practices; recommendations](#)
- [D1.5 Report on recommendations for policy measures which result into higher use of green IWT](#)

Work Package – Fleet focuses, among others, on gap analyses, assessment and recommendations for the R&D and policy roadmaps on topics: 1) zero-emission fleet 2) climate resilient fleet 3) digital and automated vessels 4) technical regulations and standards for the fleet and fuels 5) accurate fleet data. In addition, it analysed support measures for the implementation of new financial instruments regarding the zero-emission pathway for the fleet.

WP2.: Fleet

- [D2.1 Report on the zero – emission strategy IWT, update of STEERER work](#)
- [D2.2 Options for shallow-water / climate resilient vessels](#)
- [D2.3 Report on vision and roadmap on pathway for automation and on board systems](#)
- [D2.4 Towards accurate European fleet data](#)
- [D2.5 Funding and financing the energy transition of the European IWT fleet](#)
- [D2.6 Report on implementation of European IWT emission label / energy index / GLEC for vessels](#)
- [D2.7 Report on policy recommendations on regulatory pathway towards zero emission fleet](#)

Work Package – Jobs & Skills addresses, among others, competence standards related to the use of zero or low emission propulsion systems and onboard systems allowing automation of IWT vessels, knowledge and skills needed for greener vessel

operation in refresher classes, supporting the use of modern techniques such as simulators, virtual reality and augmented reality in training schemes for greener and highly automated vessel operation. This Work Package, in particular, provided input to a roadmap on standards for examination of new competences in the EU regulatory Framework.

WP3.: Jobs and Skills

- emission
- [D3.2 Report on required content to create and options to establish training and refresher classes for greener vessel operation](#)
- [D3.3 Report on competences needed to operate on board systems allowing for automation of inland navigation vessels](#)
- [D3.4 Report on required content and options to establish training and refresher classes for automated vessel operation](#)
- [D3.5 Report on preparation for update of CESNI standards with a view to alternative fuels skills](#)
- [D3.6 Report on preparation for update of CESNI standards with a view to automation](#)

Work Package – Infrastructure studies key issues of IWT sector in terms of infrastructure development. It addressed options for action in the light of climate change adaptation and alternative energy use, financing and regulatory aspects as well as barriers towards implementation of future-proof waterway and port infrastructure and requirements towards and potentials of digitalisation and automation of waterway and port infrastructure from user view.

WP4.: Infrastructure

- [D4.1 Climate change adaptation strategies – information package for European inland waterway and port infrastructure managers](#)
- [D4.2 Report on findings, perspectives and recommendations on clean energy along waterways and ports](#)
- [D4.3 Report on requirements towards digital and automated inland navigation tools from the infrastructure operator and user perspective](#)
- [D4.4 Report on barriers towards implementation of waterway and port infrastructure investments and proposed solutions](#)

WP5.: Other

- [D5.1 Report on consolidated R&D roadmap and implementation plan for IWT](#)
- [D5.2 – Report on policy implementation plan for IWT \(roadmap and matrix\)](#)
- [D5.10 Report on “Towards a European IWT policy observatory”](#)