Compendium of Horizon 2020 projects
(2014-2020)

GREEN SHIPS AND SHIPPING
Zero-emission ships to eliminate harmful environmental impact

ePIcenter: Enhanced Physical Internet-Compatible Earth-frieNdly freight Transportation answER
https://epicenterproject.eu/

FASTWATER: FAST Track to Clean and Carbon-Neutral WATERborne Transport through Gradual Introduction of Methanol Fuel
www.fastwater.eu

GASVESSEL: Compressed Natural Gas Transport System
www.gasvessel.eu

GATERS: GATE Rudder System as a Retrofit for the Next Generation Propulsion and Steering of Ships
https://www.gatersproject.com/

HOLISHIP: HOLIstic optimisation of SHIP design and operation for life cycle
http://www.holiship.eu/

HyMethShip: Hydrogen-Methanol Ship propulsion system using on-board pre-combustion carbon capture
www.hymethship.com

LeanShips: Low Energy And Near to zero emissions Ships
https://www.leanships-project.eu/home/

NAVAIS: Multiannual research and innovation program for the shipbuilding industry
www.navais.eu

CONNECTED AND AUTOMATED MARITIME TRANSPORT
Autonomous ships, robots, shore-based control, and fully autonomous port operations

AUTOSHIP: Autonomous Shipping Initiative for European Waters
www.autoship-project.eu

MOSES: AutoMated vessels and supply chain Optimisation for Sustainable short SEa Shipping
https://moses-h2020.eu/

NOVIMAR: New waterborne transport concept called the Vessel Train
www.novimar.eu

Prominent: Promoting Innovation in the Inland Waterways Transport Sector
http://www.prominent-iwt.eu

SAFETY AND SECURITY

Zero-casualty shipping with improved incident prevention, and improved vessel security measures

FLARE: FLOODING ACCIDENT RESPONSE
www.flare-project.eu

GRACE: Integrated oil spill response actions and environmental effects
www.grace-oil-project.eu

MARINE-EO: Bridging Innovative Downstream Earth Observation and Copernicus enabled Services for Integrated maritime environment, surveillance and security.
www.marine-eo.eu

INTEGRATED TRANSPORT & LOGISTICS

Secure and safe shipping, digitally connected and integrated into the global transport systems

AEGIS: Advanced efficient and green intermodal systems
https://aegis.autonomous-ship.org/

EfficienSea 2: Efficient, Safe and Sustainable Traffic at Sea
https://cordis.europa.eu/project/id/636329

H2H: EGNSS Hull-to-Hull
www.sintef.no/projectweb/hull-to-hull/

NOVIMOVE: Novel inland waterway transport concepts for moving freight effectively
www.novimove.eu

SELIS: Towards a Shared European Logistics Intelligent Information Space
http://www.selisproject.eu/

VesselAI: ENABLING MARITIME DIGITALIZATION BY EXTREMESCALE ANALYTICS, AI AND DIGITAL TWINS
https://vessel-ai.eu/

HUMAN FACTORS

Improve the maritime human-machine interface and the associated human factors

SAFEMODE: Strengthening synergies between Aviation and maritime in the area of human Factors towards achieving more Efficient and resilient MODE of transportation
www.safemodeproject.eu

MATERIALS AND PRODUCTION

More resilient ships and offshore structures, for more extreme weather conditions

NAVAIS: New Advance Value Added Innovative Ships
www.navais.eu

RAMSSES: Realisation and Demonstration of Advanced Material Solutions for Sustainable and Efficient Ships
https://www.ramsses-project.eu/

TrAM: Transport: Advanced and Modular
https://tramproject.eu/

ACOUSTIC AND UNDERWATER NOISE

Less noise and vibration emissions from the ships

SATURN: Solutions At Underwater Radiated Noise
https://www.saturnh2020.eu/

BLUE GROWTH

Sustainable Blue Economy to meet increasing demand for food and renewable energy

AQUAEXCEL 2020: AQUAculture infrastructures for EXCELlence in European fish research towards 2020
www.aquaexcel2020.eu

AQUAEXCEL 3.0: AQUAculture infrastructures for EXCELlence in EUropean fish research 3.0
https://aquaexcel.eu

COASTAL: Collaborative And Sea inTegration pLatform
https://h2020-coastal.eu/

DAFIA: Biomacromolecules from municipal solid bio-waste fractions and fish waste for high added value applications.
https://dafia-project.eu/

Data-Bio: Data-Driven Bioeconomy
https://www.databio.eu/

FLOTANT: Innovative and integrated Floating Offshore Wind solution, optimized for deep waters (100-600m) and to sustain a 10+MW wind turbine generator
https://cordis.europa.eu/project/id/815289/fr

GENIALG: GENetic diversity exploitation for Innovative macro-ALGal biorefinery
www.genialgproject.eu

GoJelly: A gelatinous solution to plastic pollution
https://gojelly.eu/

I4Offshore: Integrated Implementation of Industrial Innovations for Offshore Wind Cost Reduction
www.i4offshore-project.eu

LIFES 50 PLUS: Qualification of innovative floating substructures for 10MW wind turbines and water depths greater than 50m
www.lifes50plus.eu

MARINERG-i: Marine Renewable Energy Research Infrastructure
http://www.marinerg-i.eu/

MaRINET2: Marine Renewables Infrastructure Network
https://cordis.europa.eu/project/id/815289/fr

MEESO: Ecologically and economically sustainable mesopelagic fisheries
https://www.meeso.org/

MooringSENSE: MOORING SYSTEM INTEGRITY MANAGEMENT THROUGH MONITORING, DIGITAL TWIN AND CONTROL TECHNOLOGIES FOR COST REDUCTION AND INCREASED EFFICIENCY
www.mooringsense.eu

NEXUS: Towards Game-changer Service Operation Vessels for Offshore Windfarms
https://cordis.europa.eu/project/id/774519

PerformFISH: Consumer driven Production: Integrating Innovative Approaches for Competitive and Sustainable Performance across the Mediterranean Aquaculture Value Chain
www.performfish.eu

PowerKite: Power Take-Off System for a Subsea Tidal Kite
https://cordis.europa.eu/project/id/774519

SmartFish: Smart fisheries technologies for an efficient, compliant and environmentally friendly fishing sector
http://smartfishh2020.eu/

Space@Sea: Multi-use affordable standardised floating Space@Sea
www.spaceatsea-project.eu

SUMMER: Sustainable management of mesopelagic resources
https://summerh2020.eu

SUSTUNTECH: Sustainable tuna fisheries through advanced earth observation technologies
www.sustuntech.eu

VALUMICS: Understanding food value chains and network dynamics Consumer driven Production: Integrating Innovative Approaches for Competitive and Sustainable Performance across the Mediterranean Aquaculture
https://valumics.eu/