

SHIPOWNERS AND CHALLENGES OF THE EU GREEN DEAL

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Nostrum

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CROATIAN SHIPOWNERS' ASSOCIATION MARE NOSTRUM

- 5 February 1991
- 11 members - the leading Croatian shipping companies
- Promote interests of the Croatian shipping companies
- National maritime legislation and implementation of the international standards
- Negotiations with trade unions and government bodies

Organization:

- Office Management
- Assembly
- Expert Commissions



THE GUTTA PROJECT – WORKING PACKAGES

WP 1 - Project management and coordination of activities

WP2 - Communication activities

- Photos and videos from the Jadrolinija ferries
- Promotion of the Project



WP3 - Strategic potential for a greener and more integrated CB maritime mobility

- Report on vessel fuel and CO2 emission data availability
- Report on implementation challenges for MRV

WP4 - Developing tools for upgrading environmental sustainability and connectivity of regional mobility

- Guidance document on implementation of Monitoring and Reporting of MRV
- User satisfaction with the THETIS-MRV system

WP5 - Demonstrating the change in environmental impact and territorial connectivity

- Report on GUTTA eco-routes tool user experience

THE GUTTA PROJECT – DELIVERABLES

WP3 - Strategic potential for a greener and more integrated CB maritime mobility

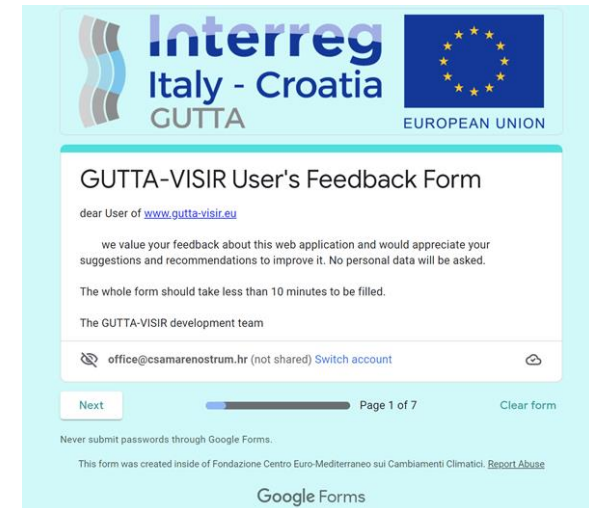
- [Report on vessel fuel and CO2 emission data availability](#) - analysing CO2 emission from vessels sailing in the Adriatic Sea (three Croatian and one Italian ferry)
- [Report on implementation challenges for MRV](#)- analysis of the user experience of Thetis-MRV System and comparison of the EU MRV Regulation with the IMO DCS and Chinese Regulation

WP4 - Developing tools for upgrading environmental sustainability and connectivity of regional mobility

- [Guidance document on the implementation of Monitoring and Reporting of MRV](#) - review of the EU MRV amendment process, some parts of the European Green Deal, and its effect on EU flagged ships and Croatian shipowners
- [User satisfaction with the THETIS-MRV system](#) - feedback about the updates in the THETIS-MRV system, *Fit for 55* package and possible amendment of EU-ETS

WP5 - Demonstrating the change in environmental impact and territorial connectivity

- [Report on GUTTA eco-routes tool user experience](#) - feedback on the GUTTA tool for eco-routes, GUTTA-VISIR



Interreg
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GUTTA

EUROPEAN UNION

GUTTA-VISIR User's Feedback Form

dear User of www.gutta-visir.eu

We value your feedback about this web application and would appreciate your suggestions and recommendations to improve it. No personal data will be asked.

The whole form should take less than 10 minutes to be filled.

The GUTTA-VISIR development team

office@esamarenostrom.hr (not shared) [Switch account](#)

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EUROPEAN GREEN DEAL



- December 2019
- Climate neutrality by 2050
- EU MRV amendment process and the European Green Deal – promote environmental sustainability
- Transport represents 25% of EU emissions – cutting transport emissions in all industries, including maritime
- Invest in environmentally-friendly technologies, support industry innovation, and create cleaner, cheaper and healthier forms of private and public transport
- Full decarbonization - the development of alternative and innovative green technologies and fuels
- Shipowners - invest in new ships or upgraded propulsion systems

„FIT FOR 55”

- July 2021
- 55% reduction in carbon emissions by 2030
- Policy areas and economic sectors: climate, energy and fuels, transport, buildings, land use and forestry
- Proposal to include for the first time shipping emissions in the EU-ETS
- Shipowners - additional investment and/or operational costs
 - negative effect on freight rates
- Potential balance - stimulations and/or subventions for shipowners to invest/use in new technologies required to achieve emission reduction targets



Shipowners worry that technologies with alternative fuels are not yet mature enough to be safely applied in shipping

- **LNG** - most used alternative fuel
 - liquefaction process - not fit as an alternative fuel in the long term

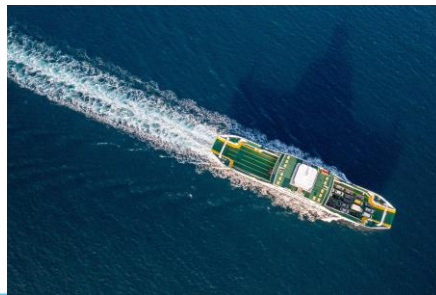
ACTION PLAN

- Transitional technologies convenient for application
- Different sorts of hybrid solutions - electric propulsion supplied with electricity produced on board and electricity stored in batteries charged from land network
- Renewable methanol - simple technical requirements for bunkering, storage and transfer on board
- **Short- and medium-term measures**
 - limiting the maximum power of marine engines
 - installing devices to increase navigation efficiency
 - using available alternative fuels
- **Long-term measures**
 - ordering and buying new ships to operate without or with reduced greenhouse gas emissions



ACTION PLAN

- Doesn't depend only on shipowners but also on technological progress
- Cooperation of all stakeholders in maritime sector (regulatory bodies, shipowners, harbours logistic, alternative fuel and fuel treatment industry, administrations of the states, banks, etc.)
- **EU-ETS**
 - shipowners should organize special team within the company that will include staff working in the field of finance, law, technical expertise and chartering department
 - purchase ETS emissions on the stock exchange
- CSA will continue to follow the work of the Ministry of Economy and Sustainable Development in Croatia that initiated the working group regarding environmental legislative changes at EU level



Thank you for your attention!

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