

TSG 2 Strategic Project Implementation

GraSP Study - Green and Smart Ports Study

The EU aims to become the first climate-neutral continent by 2050, with transport emissions needing a 90% reduction. The 2020 Sustainable and Smart Mobility Strategy outlines increases in sustainable transport and numerous legislative initiatives for this. The Fit for 55 package, adopted in 2021, sets a goal of 55% emissions reduction by 2030. Ports, especially those with transport and urban roles, are crucial in these plans and are central to the Green and Smart Ports Study supporting the EUSAIR Pillar 2 project.

Work plan and activities of the project idea

The study includes these tasks:

- Defining the study's scope and methodology with discussions among TSG2-Transport Subgroup and/or EUSAIR Focal Points.
- Reviewing relevant legislation, policy documents, funding programmes, and ongoing initiatives.
- Analyzing past, current, and planned projects at TEN-T network ports, leading to a gap analysis concerning standards in relevant legislation.
- Conducting interviews with stakeholders to identify promising solutions and the factors affecting their deployment at Macro-region ports.
- Organizing up to five round tables during the study's final five months to discuss industry solutions, EU policy programmes, funding options, and the skills needed to develop green and smart ports.

Expected results/outcomes

In terms of outcomes, study reports will be prepared for each of the above listed study tasks. Infographics will be prepared for each round table, summarizing the main outcomes of the discussion and providing recommendations for the development and implementation of the Green and Smart Ports Flagship Project. The expected result of the study will be enhancing the capacity of the TSG2 Members, Funding Programme Managing Authorities, regional and local authorities and the whole port sector industry and stakeholders, in developing and implementing the Green and Smart Ports Flagship Project.

TSG 2 Strategic Project Implementation

EUSAIR AP - Action Plan (Road Map) towards a EUSAIR Power Exchange and Natural Gas Trading Hub

The Action Plan aims to increase cooperation and integration among the power and natural gas systems in the Adriatic-Ionian Region. Objectives include:

1. Offering an updated analysis of power markets and natural gas trading, with proposals to enhance cooperation between governmental entities and stakeholders.
2. Proposing efficient market mechanisms to enhance security and resilience of power and natural gas supplies, and provide effective price signals for future investments.
3. Identifying options for better harmonisation, convergence and integration of national power and natural gas markets within the Region and relevant neighbouring countries.
4. Contributing to cost competitiveness of electricity and natural gas supply to benefit the retail market and consumers in both short and long-term perspective.
5. Creating opportunities for integrating low-carbon and carbon-neutral energy resources to accelerate the process of meeting new commitments by the EUSAIR Member States.

Work plan and activities of the project idea

The Action Plan towards a EUSAIR Power Exchange and Natural Gas Trading Hub of the Adriatic-Ionian Region, spanning until 2030, involves:

- Gathering, analyzing, processing and distributing data related to the development of power exchange and natural gas trading in the Adriatic-Ionian Region.
- Engaging with relevant stakeholders including EUSAIR Member States' administrations, regulatory authorities, market operators and traders, and industry associations. Initial discussions will be held in ad hoc workshops and meetings to gather information.
- Drafting the 9 sections with related chapters of the Action Plan.

Expected results/outcomes

The Action Plan (Road Map) towards a EUSAIR Power Exchange and Natural Gas Trading Hub of the Adriatic-Ionian Region will result in a document with 9 sections:

1. The scope and structure of the Action Plan.
2. EU directives and regulations: single energy market and trading.
3. Power exchange arrangements in EUSAIR Member States and the Adriatic-Ionian Region.
4. Prospects for harmonizing and converging power exchanges in the Adriatic-Ionian Region.
5. Natural gas market and trading in EUSAIR Member States and the Adriatic-Ionian Region.
6. Prospects for a natural gas trading hub and wholesale gas market in the Adriatic-Ionian Region.
7. Power exchanges and their integration with natural gas hubs for transitioning towards decarbonised energy systems in the Adriatic-Ionian Region.
8. Market evolution towards distributed power management and trading.
9. Options for market trading of environmentally-related and new products in the Adriatic-Ionian Region.

TSG 2 Strategic Project Implementation

EUSAIR MPEN - Master Plan of Energy Networks for the Adriatic-Ionian Region

The Master Plan is a long-term energy outlook proposing projects and measures for energy networks with two-time horizons, 2030 and 2050. It focuses on electricity and natural gas systems within EUSAIR and its Member States, including related supply, distribution facilities, and clean fuel options for transport. It aims to prioritize projects and measures, highlight synergies and complementarities, and identify gaps and initiatives for further projects and measures. The plan will offer insights on opportunities and potential impacts on national production systems and investment prospects.

Work plan and activities of the project idea

The Master Plan of Energy Networks for the Adriatic-Ionian Region will contribute to energy cooperation and decarbonisation, focusing on four objectives:

- Providing a coherent background for projects and measures identified by the Sub-Group on Energy Networks.
- Prioritising projects and measures for energy market integration in the Adriatic-Ionian Region, highlighting synergies, setting timelines, and analysing financing mechanisms.
- Identifying necessary or missing initiatives for further projects, considering their feasibility and potential effects on the energy systems of EUSAIR Member States.
- Offering a framework for the Flagship Projects on Energy Networks, evaluating impacts and long-term prospects.

Project activities include data collection and analysis, interaction with relevant administrations and stakeholders, drafting of the Master Plan and three project-oriented studies, and presenting the results to related working groups.

Expected results/outcomes

The Master Plan of Energy Networks for the Adriatic-Ionian Region will be a comprehensive volume comprising 10 sections, each with several chapters, focusing on the energy systems, planning, and carbon-neutral transformation of the region. It also includes three project-oriented studies related to power networks, integrated natural gas corridors, and logistics for direct LNG use. These studies align with the Flagship Projects approved by the EUSAIR Governing Board and will assess their potential for enactment and contribution to the EUSAIR Member States' goals for 2030 and beyond.

TSG 2 Strategic Project Implementation

AIM-TI - Adriatic Ionian Region Masterplan for Transport Interconnectivity – Land and air accessibility

The Adriatic Ionian Region Masterplan for Transport Interconnectivity (AIM-TI) is designed as an instrument for the coordinated implementation of the macro-regional strategy within the EU's policies for the Single European Transport Area, the Union's Enlargement, and Cooperation with Neighbouring Countries, Territorial Integration, and Cohesion. It aims to identify macro-regionally relevant projects and aid their execution towards a competitive, resource-efficient transport system in the Adriatic-Ionian Region, emphasizing the maritime aspects of the macro-regional transport and economic systems, and green, multimodal accessibility. The AIM-TI comprises various chapters, including a review of national transport plans, macro-regional transport priorities, infrastructure projects, and transport scenarios, among others. The land and air accessibility component of AIM-TI is a specific aspect of this project idea template, further detailing its scope, content, activities, outcomes, and work plan.

Work plan and activities of the project idea

The project, targeting land and air accessibility under the Adriatic Ionian Region Masterplan for Transport Interconnectivity (AIM-TI), includes drafting of four specific reports concerning land transport networks, airports, sustainable accessibility, and integration of urban and tourist nodes. It also encompasses the development of 3-4 feasibility studies, focusing on the feasibility of projects related to land and air transport accessibility and intermodality. The findings of the masterplan and feasibility studies will be presented in meetings or working groups of TSG 2.

Expected results/outcomes

The AIM-TI - Land and Air Accessibility project involves the creation of seven to eight study reports. These include four main reports pertaining to the coordinated strategy for developing land and air transport accessibility and 3-4 feasibility studies for supporting the execution of pertinent projects.

Report 1 covers the rail transport sector and intermodality, discussing the current state of rail infrastructure, terminals, traffic volumes, performance, planned investments, and development recommendations.

Report 2 delves into the road transport sector, reviewing road infrastructure, traffic volumes, performance, safety, ITS solutions, alternative fuels, planned investments, and development recommendations.

Report 3 addresses the air transport sector, detailing airport infrastructure, traffic, accessibility, interconnections, SESAR and clean fuel deployment, planned investments, and development recommendations.

Report 4 discusses urban transport and tourism accessibility, covering major urban and touristic sites, cycling mobility, future mobility solutions, city logistics, alternative clean fuels, and planned investments.

Feasibility study reports outline project objectives, technical scope, demand analysis, options analysis, cost-benefit analysis, implementation strategy, funding strategy, and conclusions. The project's key aim is to support the implementation of the EUSAIR Macroregional strategy by providing insights and strategies for land and air transport development.

TSG 2 Strategic Project Implementation

AIM-TI - Adriatic Ionian Region Masterplan for Transport Interconnectivity – Maritime dimension

The Adriatic Ionian Region Masterplan for Transport Interconnectivity (AIM-TI) is a strategic tool aimed at the cohesive implementation of the macro-regional strategy within EU policies. Its objective is to identify and support projects of macro-regional importance, promoting a competitive and resource-efficient transport system in the Adriatic-Ionian Region, with particular emphasis on maritime transport. The AIM-TI includes various components such as socio-economic evolution, transport sector overview, and policy and strategy. This document particularly outlines the Maritime dimension of the AIM-TI, providing a comprehensive scope, content, activities, outcomes, and work plan for the same.

Work plan and activities of the project idea

The scope of the project consists among others of the following macro-activities:

- Drafting of the volumes 1 and 2 of the AIM-TI Maritime dimension according to the indicative structure and index reported in the section below on the expected results/outcomes of the project;
- Drafting of 3-4 feasibility studies concerning the feasibility analysis of relevant projects, with reference to maritime transport and the development of intermodality;
- Presentation of the results of the masterplan and feasibility studies at TSG 2 meetings and related working groups.

Expected results/outcomes

The Adriatic Ionian Region Masterplan for Transport Interconnectivity (AIM-TI) – Maritime Dimension, will generate five to six study reports. Two of these reports will focus on the maritime sector, covering the overview of maritime infrastructure, inland waterways, planned investments and intermodality. Additionally, 3-4 feasibility studies will be conducted to support the implementation of relevant projects. These reports aim to advance a coordinated strategy for the development of the maritime sector, aligning with the EUSAIR macroregional strategy. Topics covered include infrastructure, traffic volumes, planned investments, and recommendations for both waterborne transport and intermodality at ports. Each feasibility report will include an executive summary, project objectives, scope, demand analysis, options analysis, cost-benefit analysis, and conclusions.