

Pillar 2: CONNECTING THE REGION

Main topics according to EUSAIR Action Plan:



MARITIME TRANSPORT



INTERMODAL CONNECTIONS TO THE HINTERLAND



ENERGY NETWORKS

EUSAIR Flagships 2021 - 2027

The Adriatic-Ionian multi-modal corridors



01

- AIM-TI - Maritime dimension - Adriatic-Ionian Region Masterplan for Transport Interconnectivity – Maritime dimension
Pre-feasibility studies within AIM-TI - Maritime dimension: Multimodal Corridor VIII
- AIM-TI – Land and air accessibility - Adriatic-Ionian Region Masterplan for Transport Interconnectivity – Land and air accessibility
Pre-feasibility studies within AIM-TI - Land and air accessibility:
Adriatic-Ionian highway
ADRION Cycle Tour
- GraSP Study - Green and smart ports study
- ▲ ADRIANCYCLETLOUR - ADRIatic IONian CYCLE route for sustainable TOURismCenter
- Collaboration between Pillar 2 (Transport subgroup) & 4

Power networks and market for a green Adriatic-Ionian Region



02

- EUSAIR MPEN - Adriatic-Ionian Region Masterplan of Energy Networks for the Adriatic-Ionian region
Pre-feasibility studies within EUSAIR MPEN:
1. Power networks and market for a green Adriatic-Ionian Region
2. Integrated natural gas corridors and market for a Green Adriatic-Ionian Region
3. LNG Infrastructure, logistics and direct use of LNG for a marine and road transport
- ▲ STETAI - Sustainable Tourism through Environmental Energy Technologies in Buildings of High Architectural Interest
- Collaboration between Pillar 2 (Energy subgroup) & 4

Integrated natural gas corridors and market for a green Adriatic-Ionian Region



03

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

Development and operation of logistics for direct LNG use as a clean fuel for the Adriatic-Ionian Region



04

- ▲ WAI-TP: WATERBORNE - Adriatic-Ionian Technology Platform - Collaboration between Pillar 1 & 2 (Transport subgroup)

01-04 EUSAIR flagships

There are 4 strategic formats for implementation of EUSAIR flagships:

● EUSAIR strategic projects

Defined set of tasks which must be completed in order to arrive at a particular goal or outcome foreseen in the Flagship.

▲ EUSAIR cross-pillar strategic projects

These are strategic projects aimed at implementation of Flagships in the topics of different Pillars.

■ EUSAIR master plans

A master plan is a dynamic long-term planning document that provides a conceptual layout to guide future growth and development in the field.

× EUSAIR actions

A list of tasks that need to be completed before a strategic project is being developed.

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EUSAIR Flagships and strategic projects, actions and masterplans supporting them:

The adriatic-ionian multi-modal corridors

- **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.

01



Expected results of the master plan include:

- The Adriatic-Ionian Region Masterplan for Transport Interconnectivity (AIM-TI) – Maritime Dimension produces five to six study reports.
- Two reports concentrated on the maritime sector and encompass: Overview of maritime infrastructure, Inland waterways, Planned investments, Intermodality.
- Furthermore, 3-4 feasibility studies carried out to support the execution of pertinent projects.
- These reports aim to promote a coordinated strategy for maritime sector development, aligned with the EUSAIR Macro-regional Strategy.
- The covered topics include infrastructure, traffic volumes, planned investments, and recommendations for waterborne transport and intermodality at ports.
- Each feasibility report consists of: Executive summary, Project objectives, Scope, Demand analysis, Options analysis, Cost-benefit analysis, Conclusions.

Interested in the project? The project was developed by experts in cooperation with Thematic Steering Group of Pillar 2. It can be used for further development by relevant partnerships. For additional information please contact the EUSAIR Facility Point Project Partner from Italy supporting Pillar 2.

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EUSAIR Flagships and strategic projects, actions and masterplans supporting them:

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- **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, emphasising the maritime aspects of the macro-regional transport and economic systems, and green, multi-modal 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.

01

Expected results of the master plan include:

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.

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- 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 Macro-regional Strategy by providing insights and strategies for land and air transport development.



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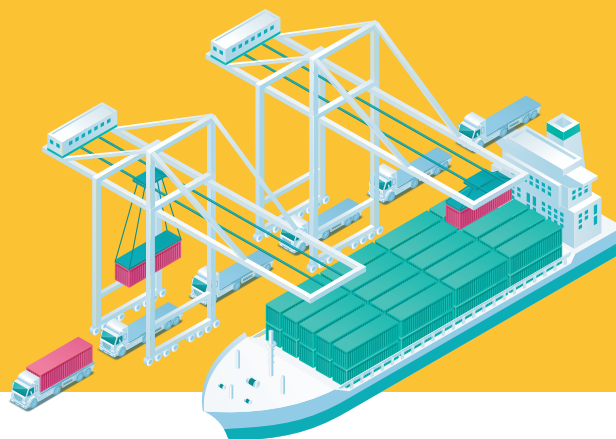
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• **GraSP Study - Green and Smart Ports Study**

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.



01

Expected results of the project include:

- Created reports for each of the planned study tasks.
- Designed infographics for each round table, giving a brief overview of the key discussion outcomes and offering suggestions for the Green and Smart Ports Flagship Project's development and execution.
- The anticipated achievement of the study is to strengthen the capabilities of TSG2 Members, Funding Programme Managing Authorities, regional and local authorities, as well as the entire port sector industry and stakeholders in developing and implementing the Green and Smart Ports Flagship Project.

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EUSAIR Flagships and strategic projects, actions and masterplans supporting them:

Power networks and market for a green Adriatic-Ionian region

- **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 participating countries, including related supply, distribution facilities, and clean fuel options for transport. It aims to prioritise 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.



02

Expected results of the master plan include:

- The Master Plan of Energy Networks for the Adriatic-Ionian Region consists of 10 sections.
- Each section contains multiple chapters, covering energy systems, planning, and the transition to carbon neutrality in the region.
- The Master Plan includes three project-oriented studies: Power networks, Integrated natural gas corridors, Logistics for direct LNG use.
- These studies align with the Flagship Projects endorsed by the EUSAIR Governing Board.
- The studies assess the potential enactment and contribution of these projects to the EUSAIR participating countries goals for 2030 and beyond.

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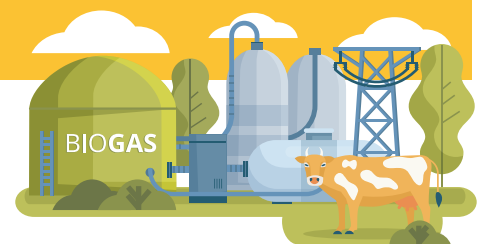
EUSAIR Flagships and strategic projects, actions and masterplans supporting them:

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• **EUSAIR AP - Action Plan (Road Map) towards an 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. The first objective of the Action Plan is to offer an updated analysis of power markets and natural gas trading. This analysis comes with proposals to enhance cooperation between governmental entities and stakeholders. The second goal involves proposing efficient market mechanisms. These mechanisms aim to enhance the security and resilience of power and natural gas supplies. Additionally, they are meant to provide effective price signals that can guide future investments. Another important task is to identify options for better harmonisation, convergence, and integration of national power and natural gas markets within the Region and relevant neighbouring countries. Furthermore, there is an aim to contribute to the cost competitiveness of electricity and natural gas supply. This contribution would benefit both the retail market and consumers, looking at both short and long-term perspectives. Lastly, the objective is to create opportunities for integrating low-carbon and carbon-neutral energy resources. This integration is expected to accelerate the process of meeting new commitments set by the EUSAIR participating countries.

03



Expected results of the Action Plan include:

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

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