



## PRESS RELEASE

### Comprehensive understanding of the complex and diverse aspects of research in maritime transport

#### SciLake's "Transport pilot – Pioneering Knowledge Graph in Maritime Transport Research"

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The SciLake project [1] announces the first scenario in the transportation pilot case focused on maritime transport research led by researchers of the Hellenic Institute of Transport (HIT) at the Centre for Research and Technology Hellas (CERTH), Greece. SciLake aims to leverage the [OpenAIRE](#) ecosystem and develop innovative knowledge management and discovery solutions to provide domain-specific services for the transportation research community. These services will be based on a Scientific Knowledge Graph focused on transportation research and will offer smart knowledge discovery capabilities leveraging impact and reproducibility indicators serving several categories of stakeholders within the transport research community, including technology providers, research bodies (i.e., association, institution, society, institute, fraternity, chamber, group, board), and funding agencies.

Regarding Technology Providers, this scenario aims to offer validator services that automatically verify the compliance of industry's predefined guidelines. Additionally, full-text mining algorithms utilise the full-texts of publications to enhance metadata records by linking them to various research-related entities such as research projects, publications, datasets, affiliations, journals/conferences, funding agencies and research fields/topics and to domain-specific ones, such as regulations and vessel types.

For Research Bodies, the services aim to facilitate knowledge discovery and support the adoption of Open Science publishing practices and monitor the implementation of Open Science practices by their researchers. Using SciLake services, users can access content reports and project lists. The content reports provide information about the research outcomes associated with the bodies, while the project lists outline the projects the research body is involved in and their respective research outcomes.

Lastly, Funding Agencies, such as national and international research funding organisations, can access services to monitor the impact of their funding within the maritime transport research community.

Moreover, the maritime transport research scenario will be built around the main waterborne visions [2] (such as green and clean waterborne transport, safe and secure waterborne transport; port operation; etc.) including re-usability re-posts for publications and relevant datasets.

### References

[1] <https://scilake.eu/>

[2] <https://www.waterborne.eu/>

### About CERTH/HIT

CERTH - Centre for Research and Technology Hellas ([www.certh.gr](http://www.certh.gr)) is the largest research centre in Greece with the mission to carry out basic and applied research with special emphasis on exploiting research results and developing new products and services with industrial, economic and social impact. CERTH is currently ranked in the 10th position among the EU Research Centres in terms of H2020 Net EU Contribution and 1st in Greece. It comprises 5 main research institutes including the Hellenic Institute of Transport (HIT). HIT ([www.imet.gr](http://www.imet.gr)) is the Greek National Institute for promoting Transport Research and Policy Support. It focuses on applied research in all fields and modes of Transport, providing input for policy formulation, documentation of major trends and impacts, formulation of operational rules and procedures, and improvement of the operation and management in Transport.

### About SciLake

SciLake is a project funded by the European Union's Horizon Europe program. The project aims to create a seamless integration between domain knowledge and open Scientific Knowledge Graphs, while also developing useful added-value services for

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specific research areas. The ultimate goal is to empower researchers and foster a more interconnected and efficient scientific community. SciLake brings together a competent consortium of 13 partners from 9 different countries. The consortium consists of partners with expertise in knowledge management and discovery, as well as experts from Neuroscience, Cancer, Transportation, and Energy research, who are involved in piloting activities.

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