



ITIO – Purpose, functions and operational modalities

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Trends and Economics
UNECE Sustainable Transport*



Welcome to the Observatory

The International Transport Infrastructure Observatory is a multi-stakeholder, web-based GIS platform which hosts data on a large variety of transport infrastructure networks and nodes across different modes including road, rail, inland waterways, ports, airports, intermodal terminals, logistics centers and border crossing points



User groups



GOVERNMENTS

Authorized Governments' users can access the Observatory from here

[LEARN MORE](#)



MULTILATERAL DEVELOPMENT BANKS

Authorized International Financial Institutions' users can access the Observatory from here

[LEARN MORE](#)



REGIONAL ORGANIZATIONS

Authorized Regional Organizations' users can access the Observatory from here

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THE PUBLIC

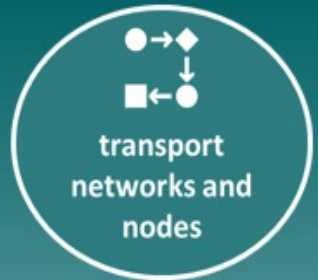
The public can access all the publicly available information included in the Observatory from here

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Personalized user group dashboard



transport
networks and
nodes

Upload, revise and update data about all transport networks and nodes (road, rail, inland waterways, ports, airports, intermodal terminals, logistics centers and border crossing points).

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transport
corridors

Visualize transport corridors passing through their territory (length, services, missing links, time schedules, tariffs).

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new transport
infrastructure
projects

Upload data about **new transport infrastructure projects**

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international
conventions /
agreements

Upload, revise and update data about international conventions / agreements ratification and implementation

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transport
infrastructure
construction
costs

Benchmarking transport infrastructure construction costs

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adaptation for
transport networks
and nodes

Climate Change impacts and adaptation for transport networks and nodes



























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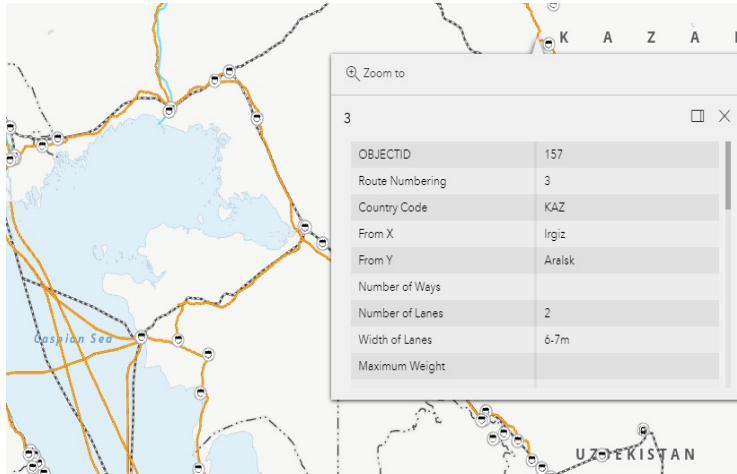
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I. Transport infrastructure networks and nodes

UNECE and ESCWA regions, overview of all available networks

- ▶  EATL Road Nodes 
- ▶  EATL Road Projects Nodes 
- ▶  EATL Rail Nodes 
- ▶  EATL Maritime Ports 
- ▶  EATL Inland Waterway Ports 
- ▶  EATL Roads 
- ▶  EATL Road Projects 
- ▶  EATL Rails 
- ▶  EATL Rail Projects 
- ▶  EATL Inland Waterways 
- ▶  AGR Roads 
- ▶  AGN Waterways 
- ▶  AGN Ports 



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**EATL, ESCWA, CETMO networks
As well as other initiatives...**

Road Corridor Selection

Choose Road Corridor Number

- All -
1234567

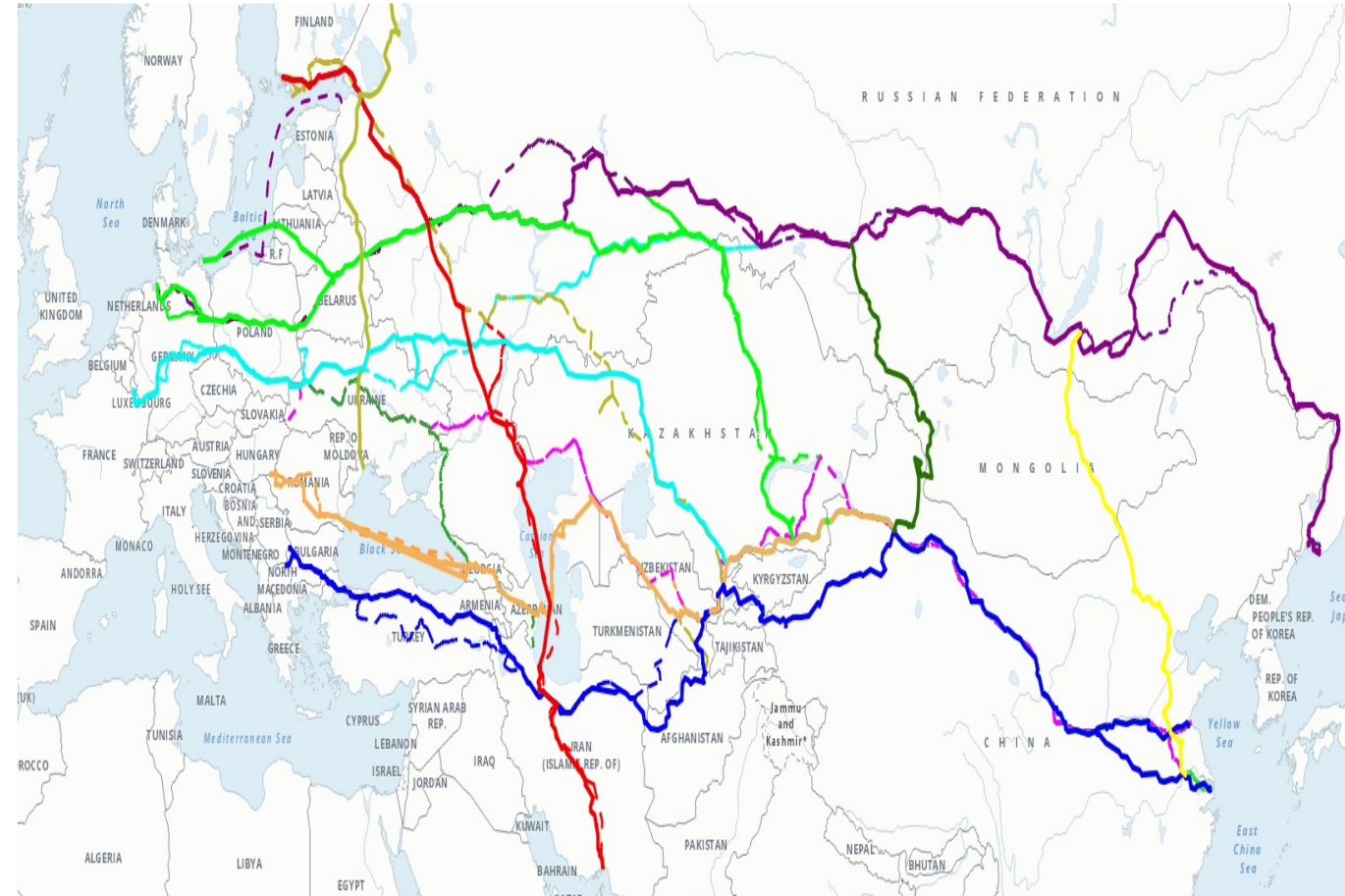
Rail Corridor Selection

Choose Rail Corridor Number

- All -
1234567

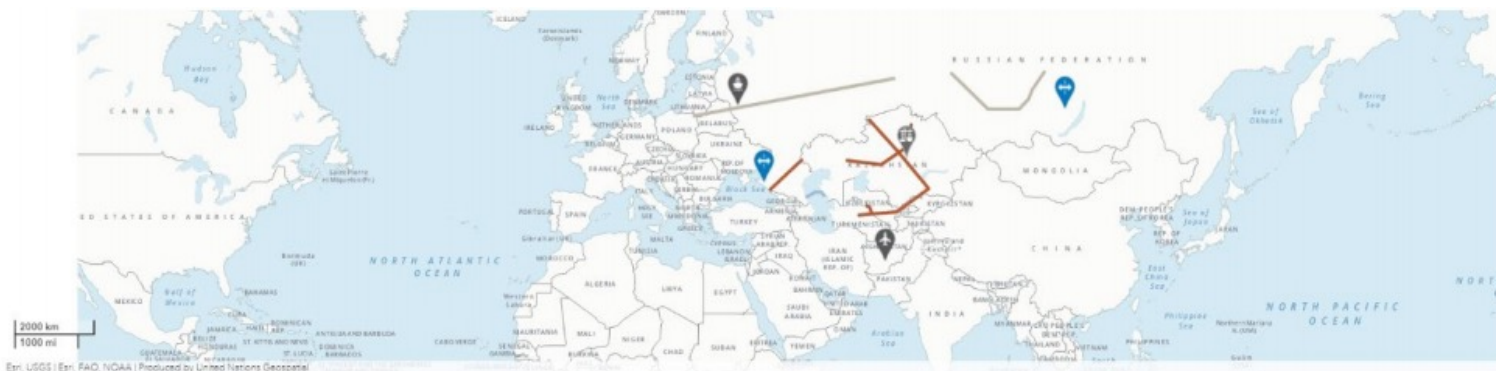
OBJECTID	Value
Route Numbering	5
Country Code	CHN
From X	Irkeatham (border CHN/KGZ)
From Y	Kashi
Number of Ways	2
Number of Lanes	2
Width of Lanes	7.5
Maximum Weight	
Maximum Speed	60

Zoom to 1 of 5



III. Identifying bankable project proposals

Multilateral Development Bank application, access to new project proposals



Road Projects		Rail Projects		In. Waterways Projects		Int. Airports Projects		Ports Projects		Int. Border Crossing Projects	
4 Total		2 Total		1 Total		1 Total		1 Total		2 Total	
New Projects	New Unfunded	New Projects	New Unfunded	New Projects	New Unfunded	New Projects	New Unfunded	New Projects	New Unfunded	New Projects	New Unfunded
0	0	1	0	0	0	0	0	0	0	0	0
This Quarter	This Quarter	This Quarter	This Quarter	This Quarter	This Quarter	This Quarter	This Quarter	This Quarter	This Quarter	This Quarter	This Quarter

Display Funded Rail Projects ☒

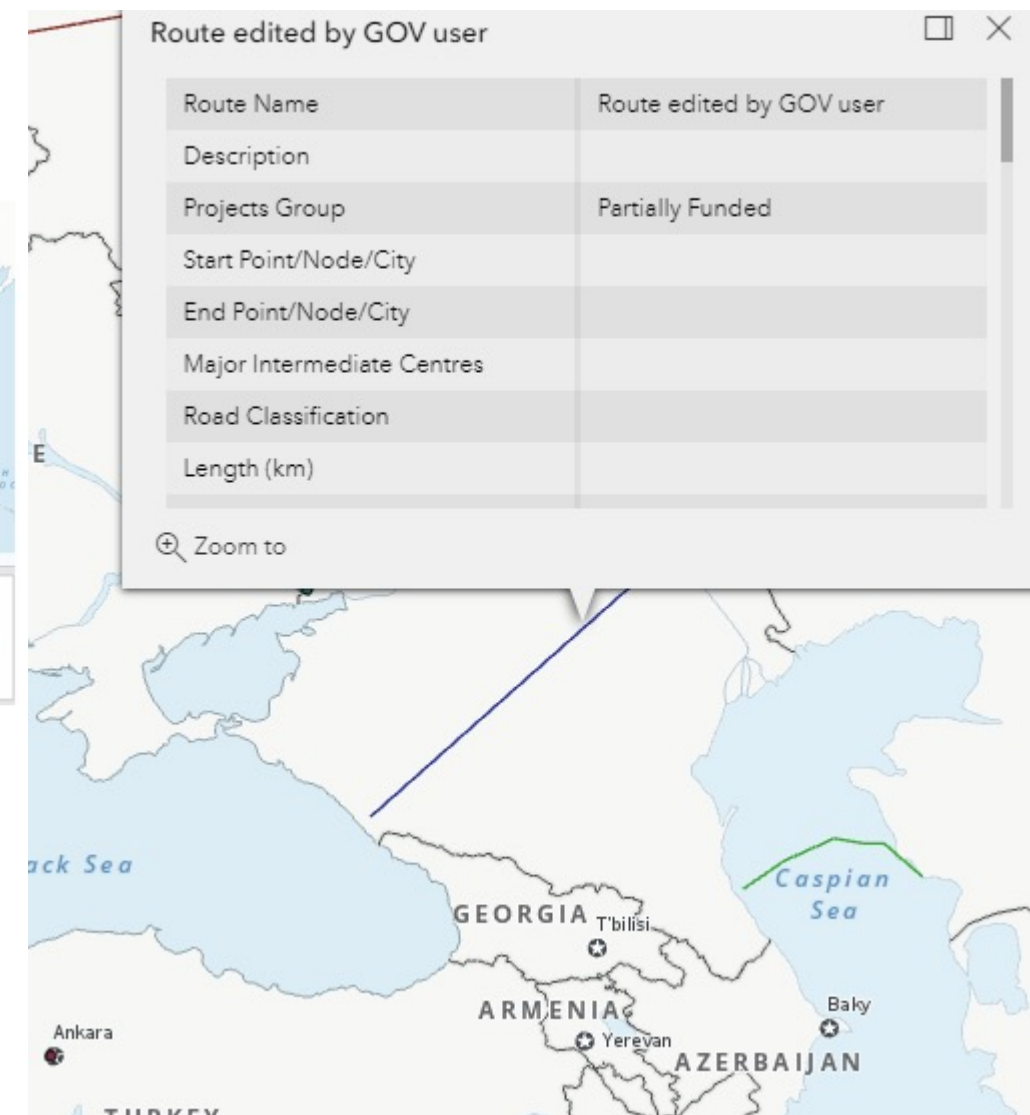
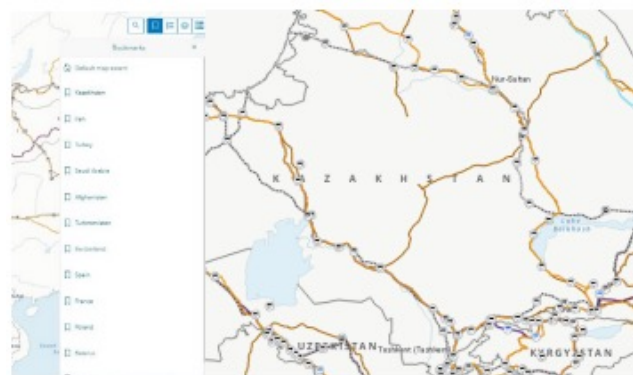
Display Partially Funded Rail Projects ☐

Display UnFunded Rail Projects ☐

Total Projects: 1

New Projects: 1

New Unfunded: 0

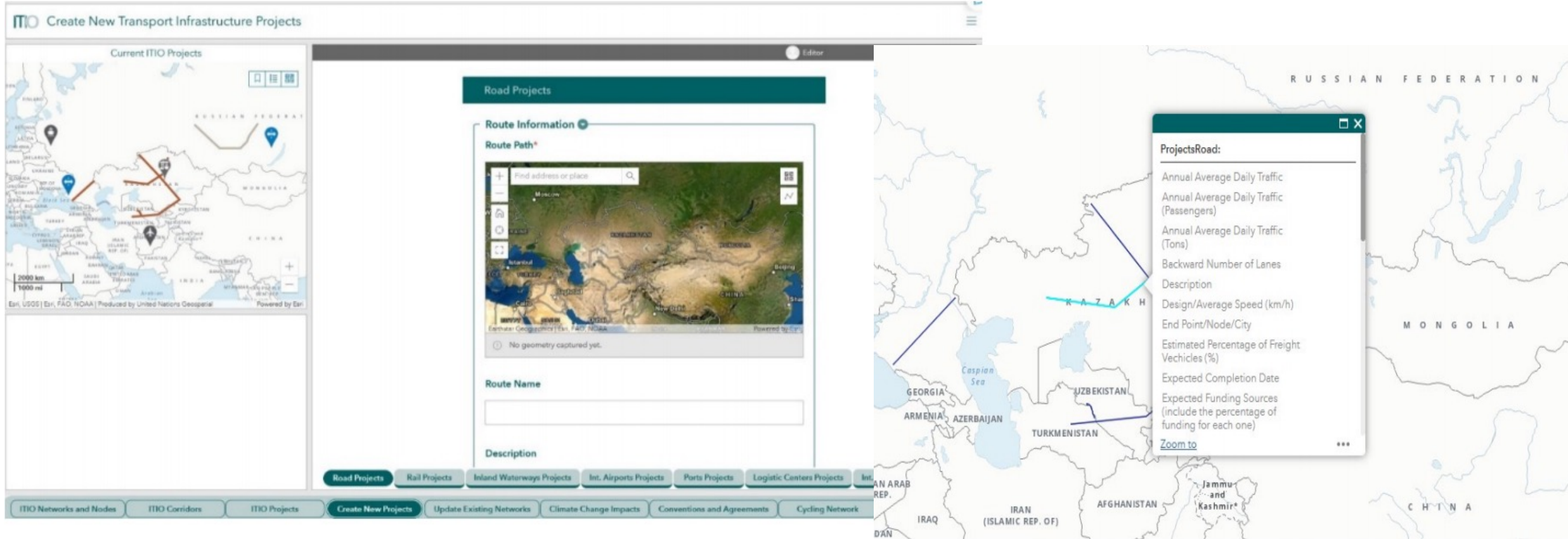


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IV. Creating new project proposals

App for Governments to upload new projects in need of funding



ITIO Create New Transport Infrastructure Projects

Current ITIO Projects

Road Projects

Route Information

Route Path*

Find address or place


Route Name

Description

ProjectsRoad:

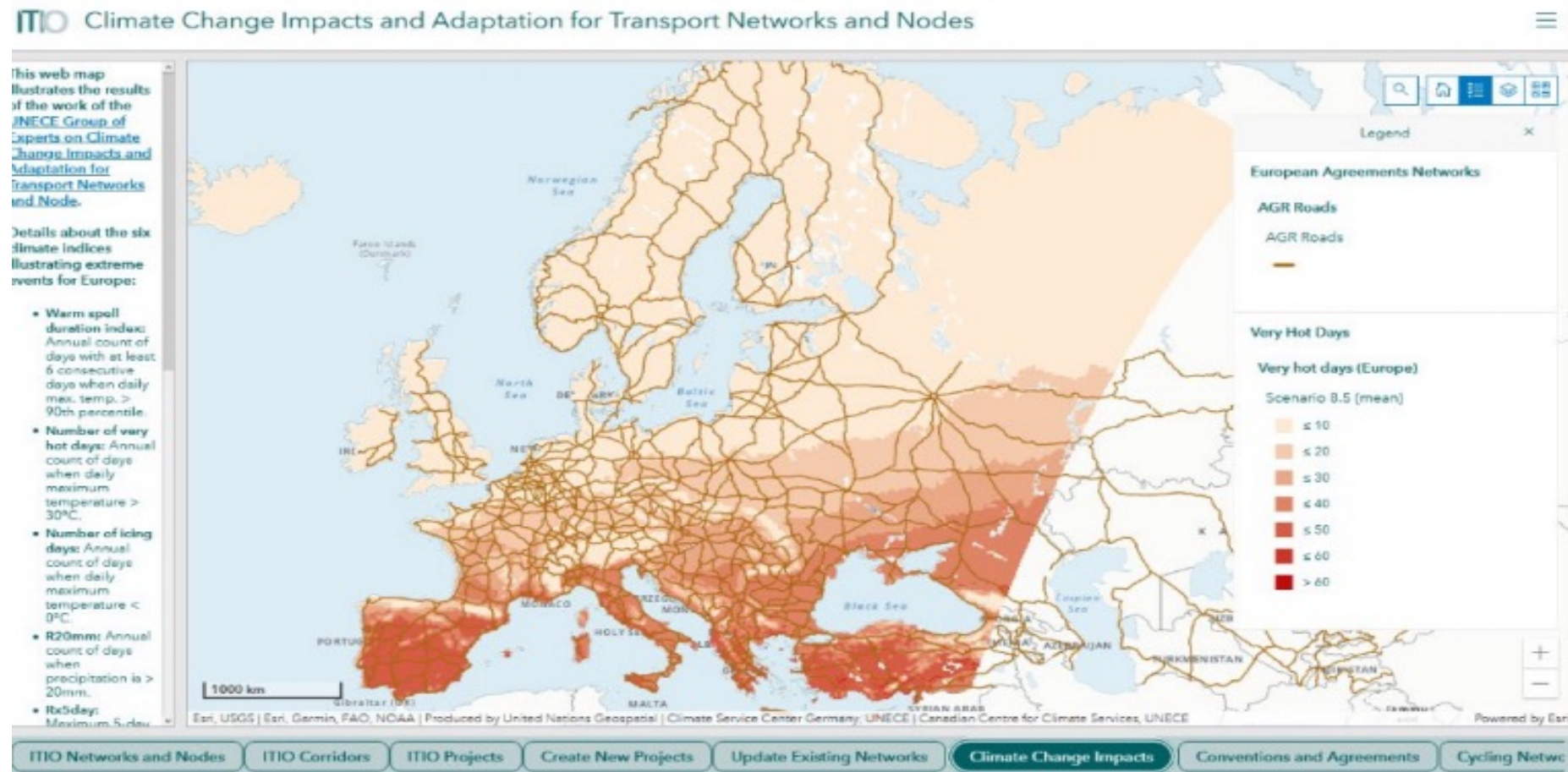
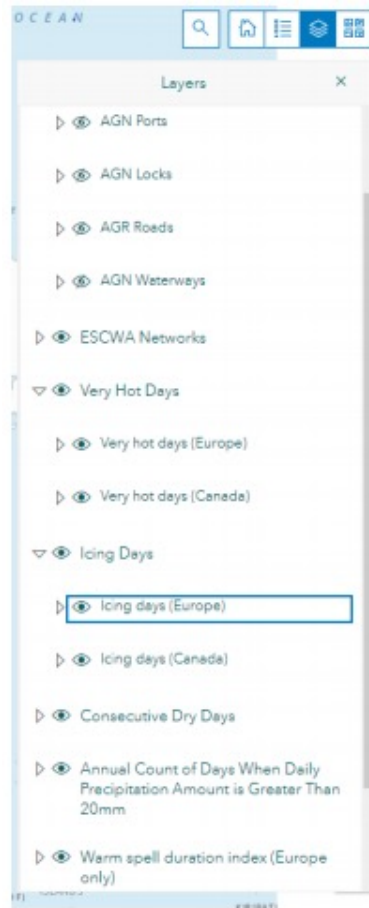
- Annual Average Daily Traffic
- Annual Average Daily Traffic (Passengers)
- Annual Average Daily Traffic (Tons)
- Backward Number of Lanes
- Description
- Design/Average Speed (km/h)
- End Point/Node/City
- Estimated Percentage of Freight Vehicles (%)
- Expected Completion Date
- Expected Funding Sources (include the percentage of funding for each one)
- [Zoom to](#)

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V. Climate change impacts on infrastructure development

App for all users to assess climate change impacts on newly planned projects



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VI. Implementation rate of UN legal instruments

App for all users to assess ratification and implementation rates of UN legal instruments



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Next steps

A strong partnership:



- The Observatory will become publicly accessible as of autumn 2021/ ECE and ESCWA Member States will be informed in writing
- Enhanced cooperation with additional UN regional commissions and other international/ regional partners is envisaged
- Cooperation with additional Multilateral Development Banks and other stakeholders should be ensured
- Once established, efforts will need to be made to ensure continuous data collection and interaction with Governments and MDBs
- The development of additional ITIO applications, e.g. integration of GE.4 Transport Infrastructure Construction Cost data is ongoing



Thank you for your attention!

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