GIS-BASED TERRITORIAL ATLAS OF ROMAN ROUTES LEGACY IN DR

Work Package Title	T3 Mapping and promoting Roman network of routes and settlements
Activity No. and Title	A.T3.2 Development of a GIS-based territorial Atlas of Roman routes legacy in DR
Output	Output T3.1 GIS-based territorial Atlas of Roman routes legacy in DR
Deliverable Responsible	ERDF PP8 Geodetic Institute of Slovenia (GI)
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Reviewed by: Name and Partner Acronyms	
Status	Draft (D)
	Revised draft (RV)
	Final (F)
Length	8

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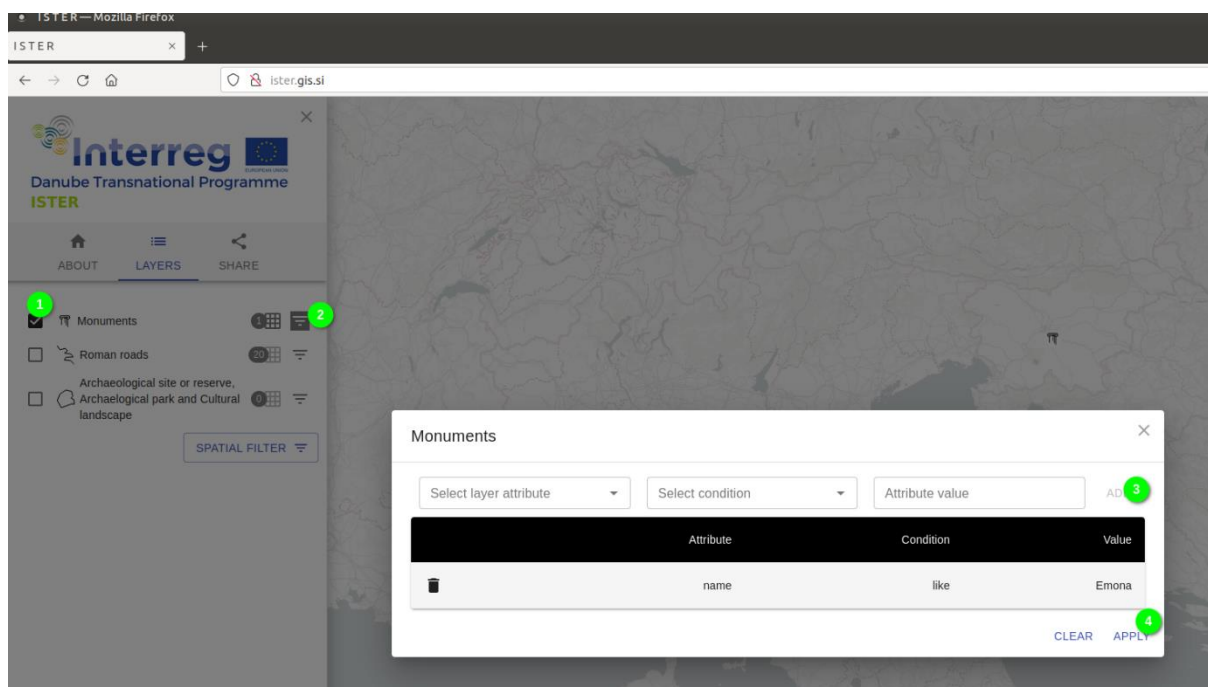
http://ister.gis.si/

GIS-based territorial Atlas provides a spatial representation of the open inventory of Roman routes legacy in DR and relevant information regarding protection limits applicable to both Roman Settlements and Roads Network, retracing the history of the Roman Empire through Roman Roads Network in Danube Region (DR) and its relation with the natural environment. The GIS Atlas of Roman routes in DR represents an innovative cartographic web application of the Roman routes in the entire DR, aimed at mapping, increasing their online and trigger digital preservation of their historical values. The platform is more than just a cartographic Atlas; it is built on a widely-documented data stock, which can be geo-visualised, analysed, managed and disseminated through the platform's functions. The GIS Atlas is basically a presentation and query tool for the Roman Settlements and Roads Network data organized in the underlying database according to the Catalogue on Roman routes & settlements. Finally, the Atlas aims at creating an impact on evidence-based spatial policies related to protection and sustainable use of Roman heritage values.

The application of Atlas of Roman routes legacy on DR is designed to be user-friendly, easy manageable and intuitive for use. The application comprises interactive map that offer location, descriptions and visual representations of Roman roads and monuments with photographs, external links and descriptive data of archaeological sites.

The atlas provides:

- Query tool over database items;
- Possibility to share the predefined queries;
- API interface for sharing the data (machine access and download of the data);
- Ability to add multimedia material for individual features (e.g. photos, articles, descriptions);
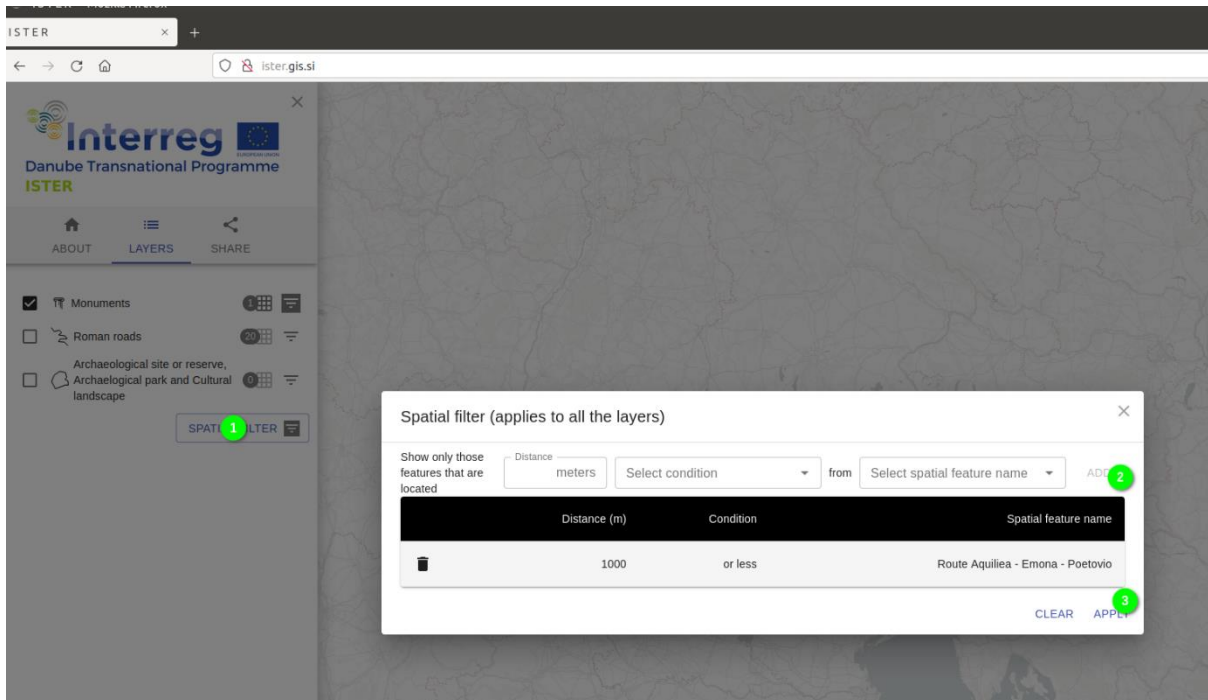- Overview of the database and associated media material.
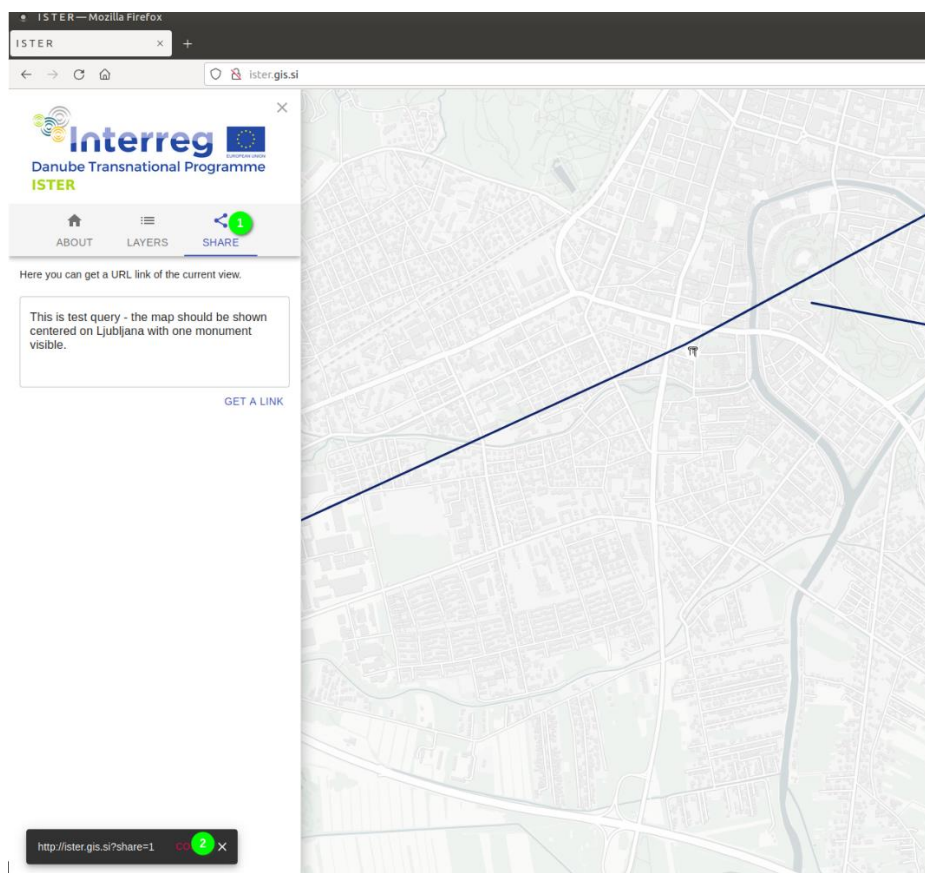
Filter the data by attributes

Filter the data by location

(Optionally) set map view and share the data

http://ister.gis.si?share=1

API

- get attribute definitions for ISTER layers
  GET http://ister.gis.si/backend/ister-server/public/api/layers_definitions
- get layers data
  - for all the layers:
    GET http://ister.gis.si/backend/ister-server/public/api/layers_data
  - for specific layer:
    GET http://ister.gis.si/backend/ister-server/public/api/layers_data/{layer key}
    e.g. this returns only the data for roads:
    http://ister.gis.si/backend/ister-server/public/api/layers_data/roads
  - shared layer data (predefined filters that a user has stored):
    GET http://ister.gis.si/backend/ister-server/public/api/layers_data?share={share ID}
    e,g, if shared link is: http://ister.gis.si/?share=1, you can get the data like this:
    http://ister.gis.si/backend/ister-server/public/api/layers_data?share=1

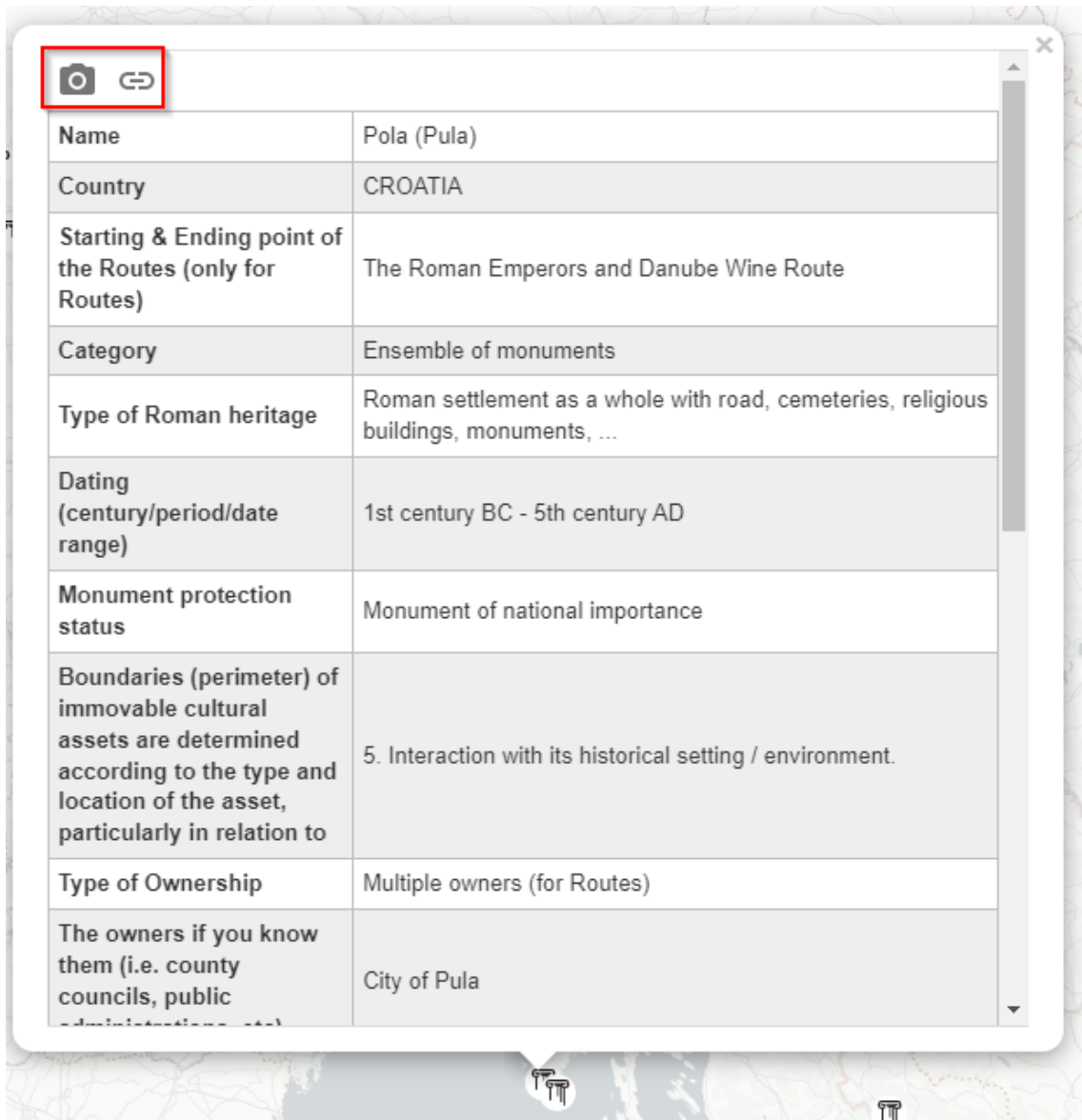# Images and (URL) links of spatial features

Initially it was meant that images and links are going to be collected from the Google Sheet where we are collecting attribute values, however, since especially collecting the images from Google Sheet is quite a tedious task and cannot be easily automated we provided special (admin) "edit mode" of ISTER atlas where you can add/remove images and links and also equip them with the corresponding descriptions.

Editing images and links

Image and links edit mode can be accessed by opening the following URL:
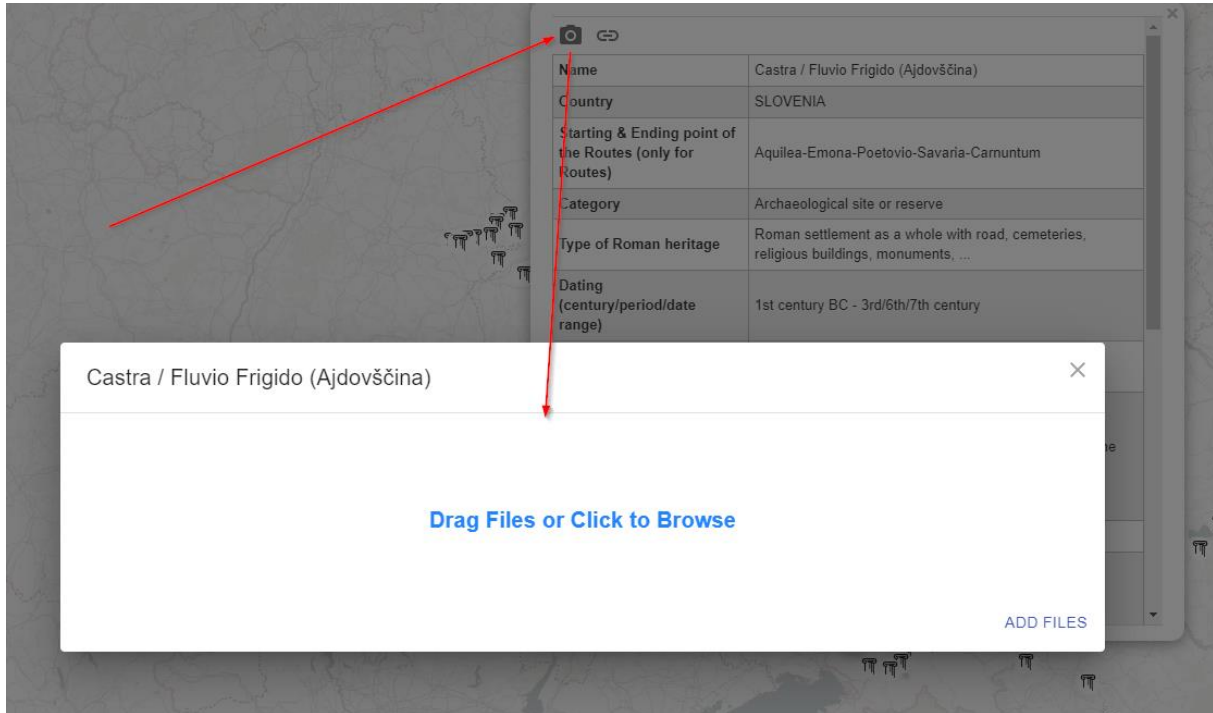http://ister.gis.si/?key=6925d3d7-6f90-4f5b-b34b-72fd42becb03

Every feature popup window (opened with mouse click on feature in the map) in edit mode has two icons, one for editing the images and other for editing the hyperlinks:

Interreg
Danube Transnational Programme
ISTER

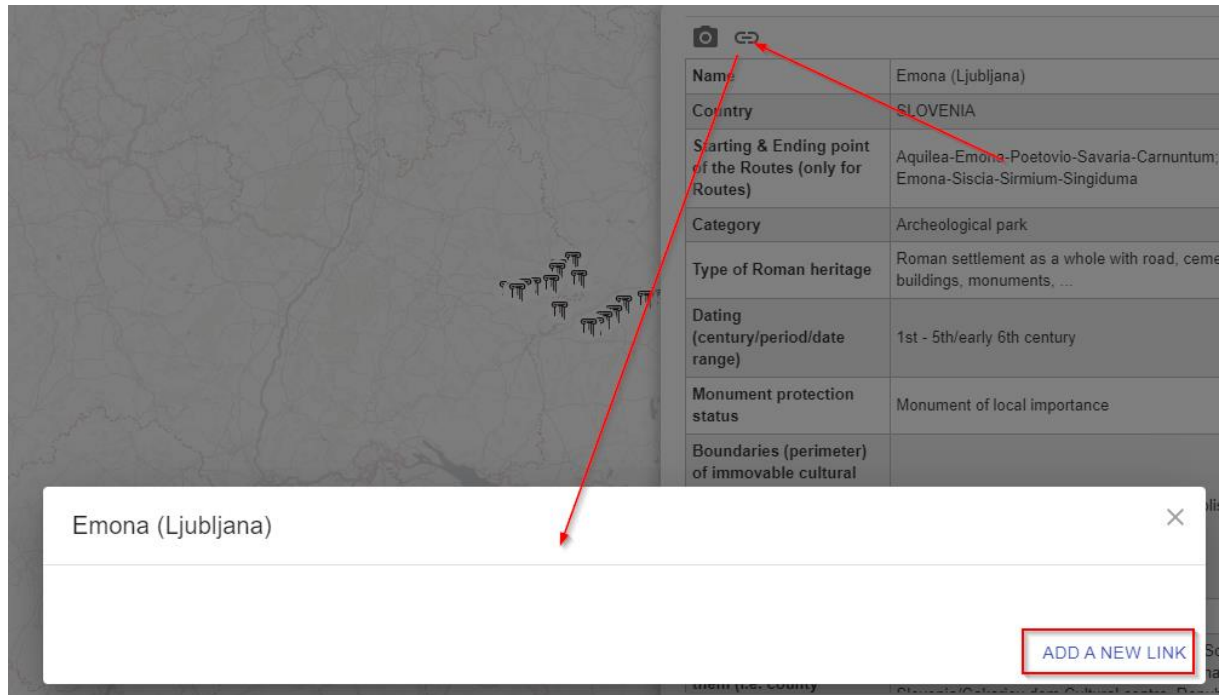| Name	Pola (Pula)
Country	CROATIA
Starting & Ending point of the Routes (only for Routes)	The Roman Emperors and Danube Wine Route
Category	Ensemble of monuments
Type of Roman heritage	Roman settlement as a whole with road, cemeteries, religious buildings, monuments, ...
Dating (century/period/date range)	1st century BC - 5th century AD
Monument protection status	Monument of national importance
Boundaries (perimeter) of immovable cultural assets are determined according to the type and location of the asset, particularly in relation to	5. Interaction with its historical setting / environment.
Type of Ownership	Multiple owners (for Routes)
The owners if you know them (i.e. county councils, public administrations, etc)	City of Pula

Editing images

You can add descriptions and change image order:

Images are saved automatically upon closing the dialog.

Editing links

Links can be added, reordered or removed:

Links are saved automatically upon closing the dialog.

Preview of images and links

When using ISTER atlas without an admin key, the images and links are shown in a gallery in a defined order and without the possibility to edit. For example, here is shown a spatial feature (Emona) with some images and links defined as described in chapters above:
http://ister.gis.si/?share=10