



Geo E.O.S.

Environmental Observatory System

SUSTAIN



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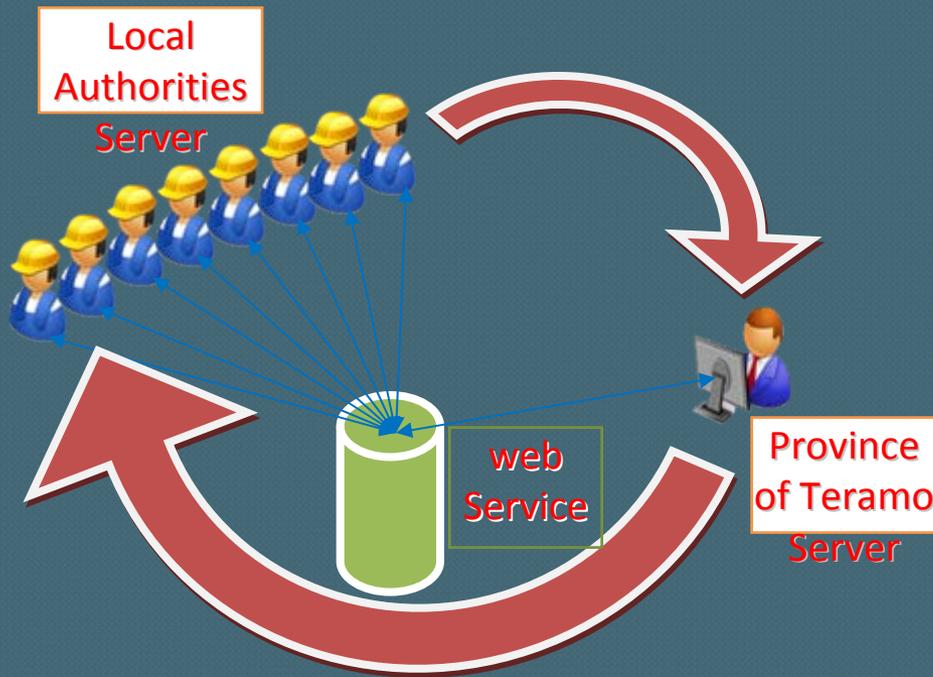
Environmental Observatory System

Province of Teramo

How to use Territorial Informational System as means of information

The SIT system use in SUSTAIN's setting has helped to stress, with geographical references, sustainability indicators collected data ("Economics – Environmental Quality – Governance – Social Wellbeing"). Those data have constituted a data-base which allowed to underline overall Province of Teramo various matters. The data-base is mainly made up of flexible data, which are susceptible to time changes, therefore, there is the need of regularly implement and revise data through a partnership among involved authorities to reach this aim. This will produce **an integrated system** for monitoring environmental trends changes. During the past years local authorities have used S.I.T. tools to disseminate their territorial data in internet, but they had dealt with some aspects only, that's to say those regarding their single administration areas. We have information and data concerning town-and-country planning and nothing about overall territorial analysis. It's important to have a standardized system, which would be able to share territorial data from a wider point of view, including all sustainability indicators' sectors. This would be a web-system service.

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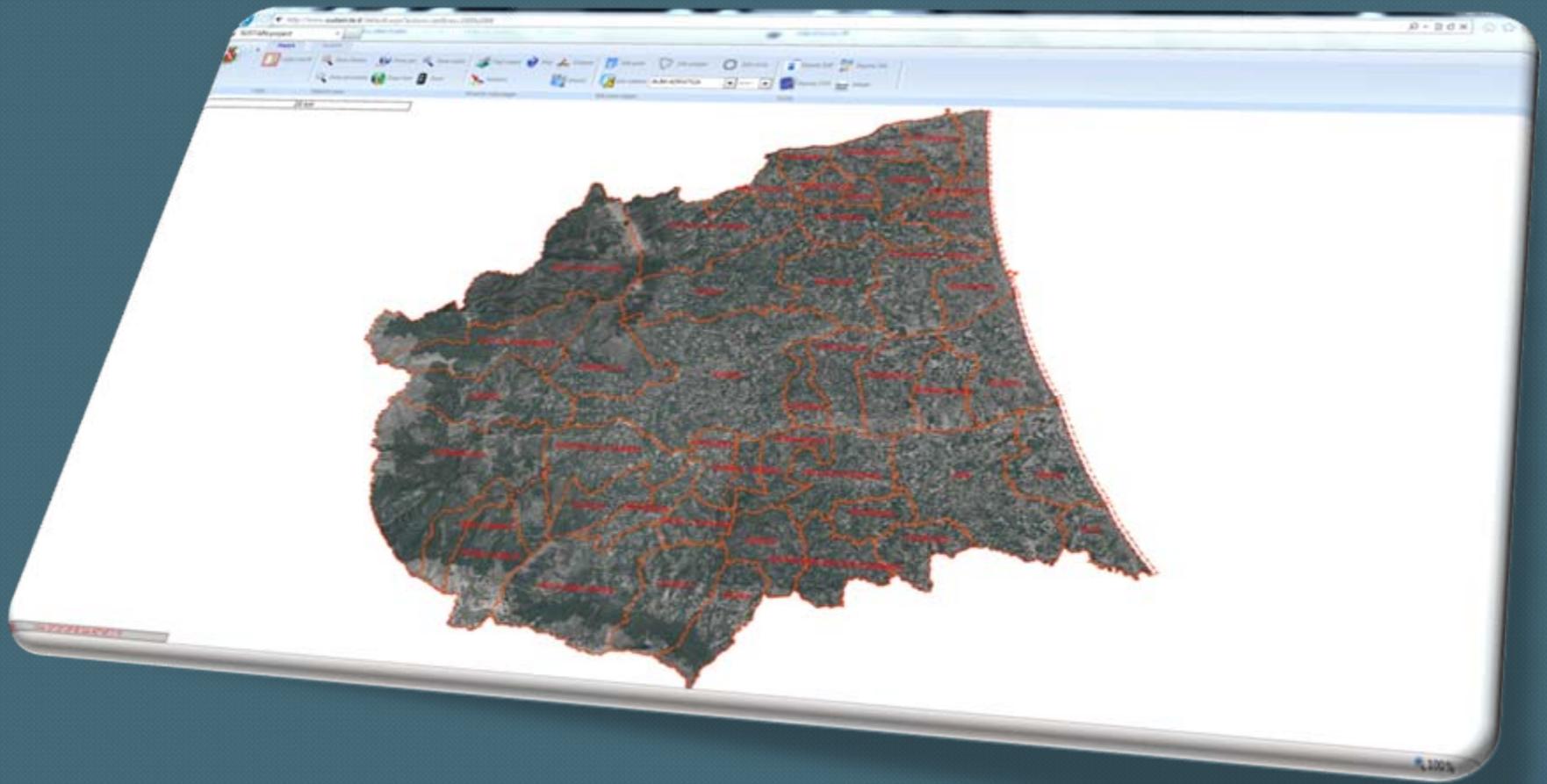


This model describes a "web service", system, that's to say the data sharing chance. The overall use of these technologies (ws, wms, sit) for an overall data sharing in SUSTAIN puts in evidence as collecting territorial data is a complex work because authorities don't use the same way of dealing with these matter. Therefore, we've realized a cartographic portal of the whole provincial territory on following platforms:

- A) Web;
- B) Win-desktop to be used by all public authorities to compare territorial informational data.

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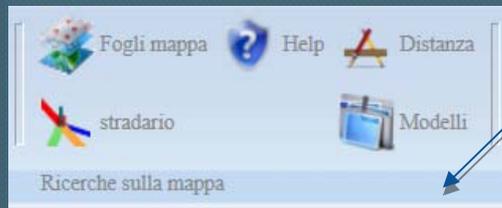
Start LOGIN panel

Screen Management

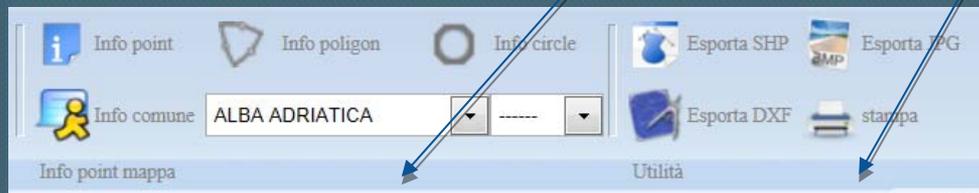


Map levels management

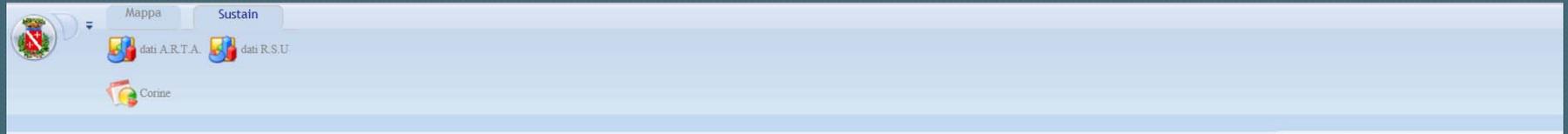
Map Information



Map Utilities



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Sustain Panel to identify territorial critical situations

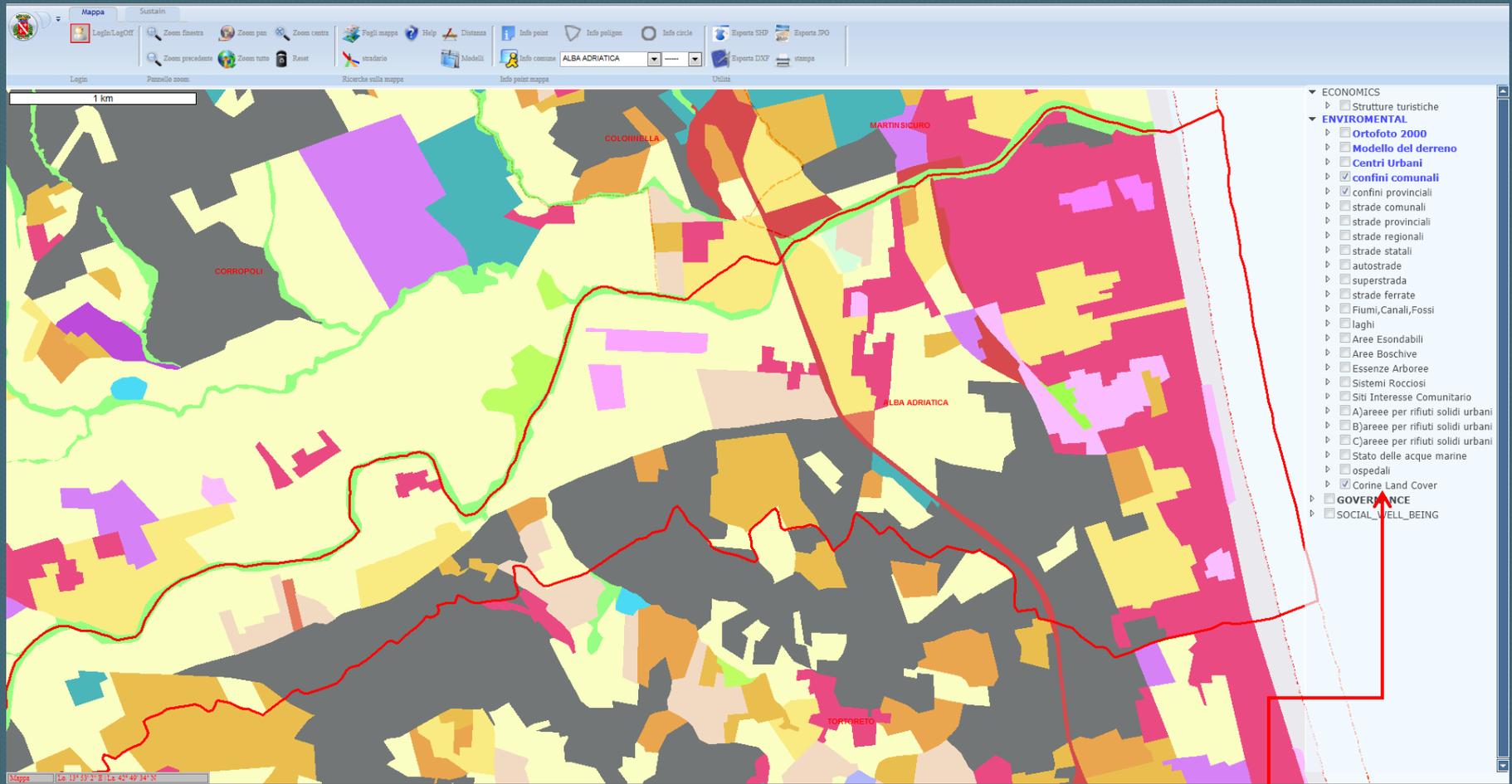
Urban Waste Collection Data

Water Analysis Data (ARTA)

Land Use Data

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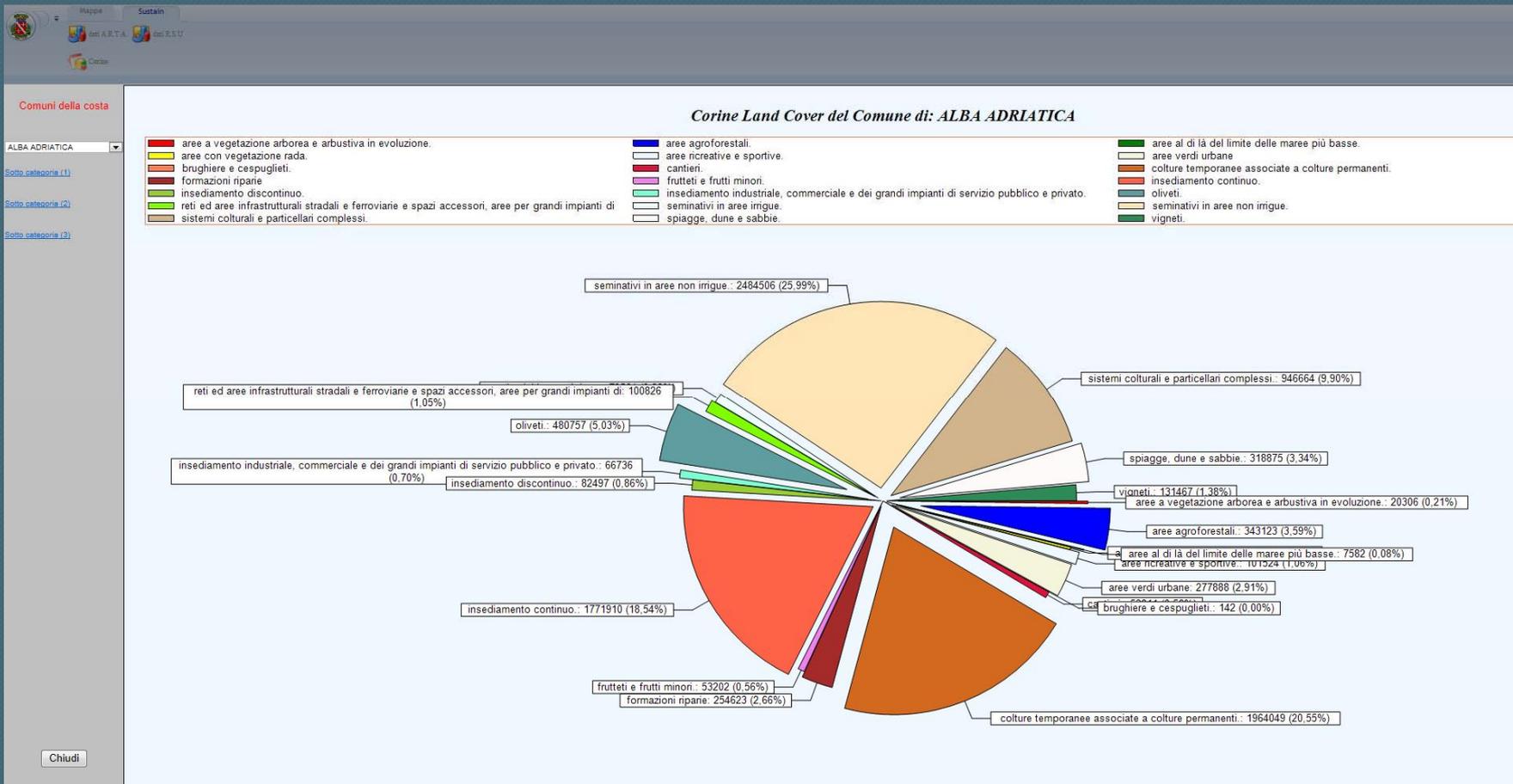
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Land Use: geographic map sheet implementation (Corine Land Cover)

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Land Use: selected territory data % (Corine Land Cover)

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The screenshot displays the user interface of the Environmental Observatory System. At the top, there is a toolbar with various icons for map interaction, including 'Info point', 'Info poligon', 'Info circla', 'Esporta SHP', 'Esporta IFC', 'Esporta DXF', and 'stampa'. Below the toolbar, a dropdown menu is set to 'ALBA ADRIATICA'. The main area is a satellite map of the Province of Teramo, with a red line highlighting a specific territory. An information panel is overlaid on the map, displaying the following data:

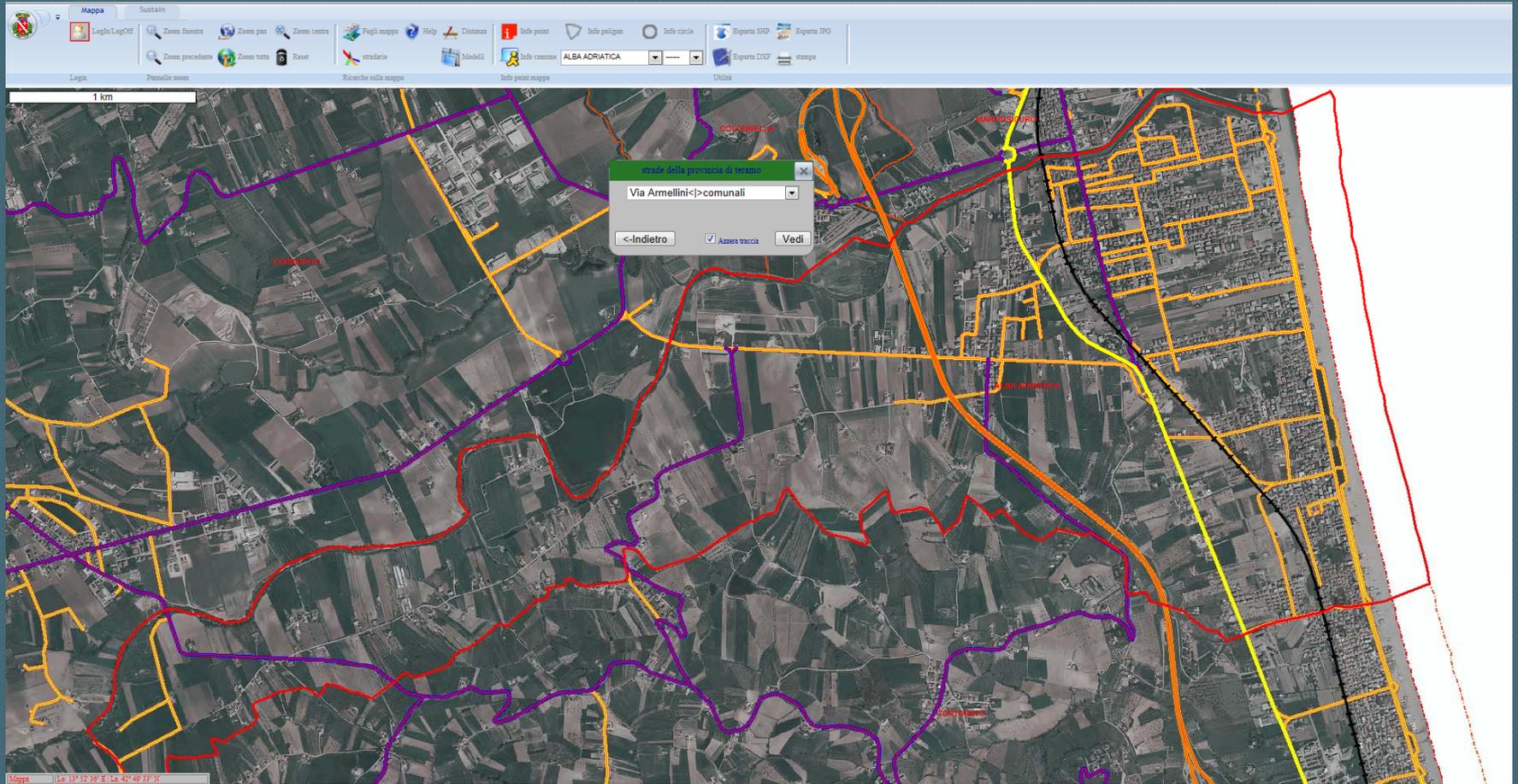
ALBA ADRIATICA Sup.-9.589.372,84 Abitanti-12.522,00 Altitudine-5,00	
Fattoria Mare	TURISTICO
La costa teramana premiata con sette Bandiere Blu	TURISTICO
Lidia	TURISTICO
Xenia	TURISTICO
Gallery	TURISTICO
Il Glicine	TURISTICO
Alba Adriatica	TURISTICO
Astor	TURISTICO
Esperia	TURISTICO
Villa Cesare	TURISTICO
Alb s	TURISTICO
Antares	TURISTICO
Patria	TURISTICO

Info on the selected territory

Information panel of the selected territory

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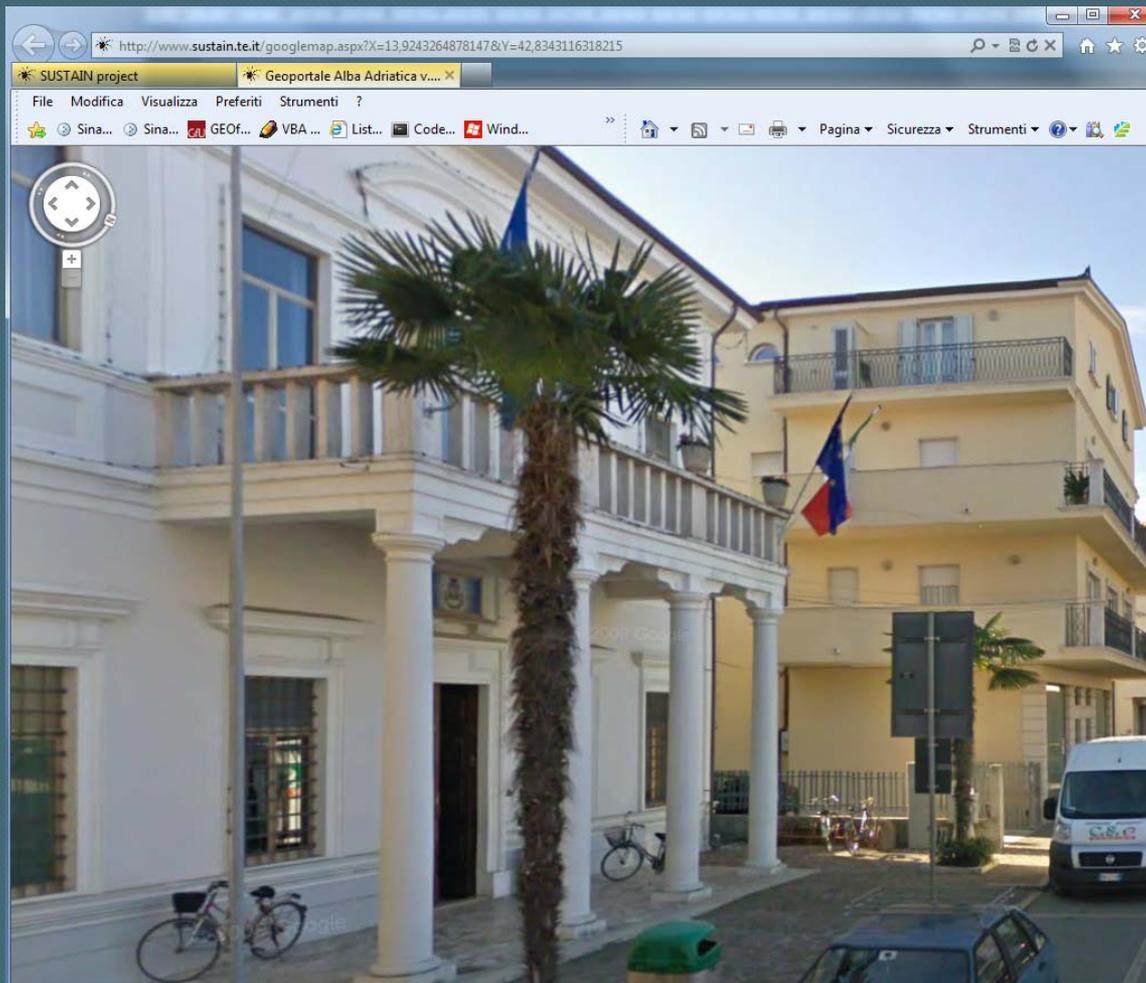
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Province of Teramo road network model

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Geolocation on google street view platform

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Conclusion

The implementation of an integrated environmental management system requires, first of all, the Governance awareness of giving a vigorous support to sustain the effort to keep it dynamic. A regular environmental planning will produce an increasing suggestive, operational and decision making about strategies to be implemented in order to improve and protect the whole provincial territory.

THANK YOU FOR YOUR ATTENTION !