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Representation of the Free State of Bavaria
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6th Forest Innovation Workshop



GO-SURF

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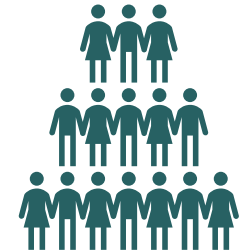
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Dates: 11-12 February 2025 | Location: Representation of the Free State of Bavaria to the European Union, Rue Wiertz 77, 1000 Brussels



<http://www.forestinnovation.eu/>

Context of Forest Management in Italy and Tuscany



Italy 63.5% of forests are privately owned

Central Italy up to 80%

The mean values of forest area for small land forest properties are always smaller than 5 ha.



Tuscany: Most forested region in Italy (>50% Forests)

Challenges: Lack of effective planning tools, scattered & inconsistent data

Missing Information: Key indicators (access, productivity, ecosystem services)



Objectives of GO-SURF

Create DSS

for the entire Tuscany Region, based on spatial modeling to support sustainable forest management at the enterprise scale

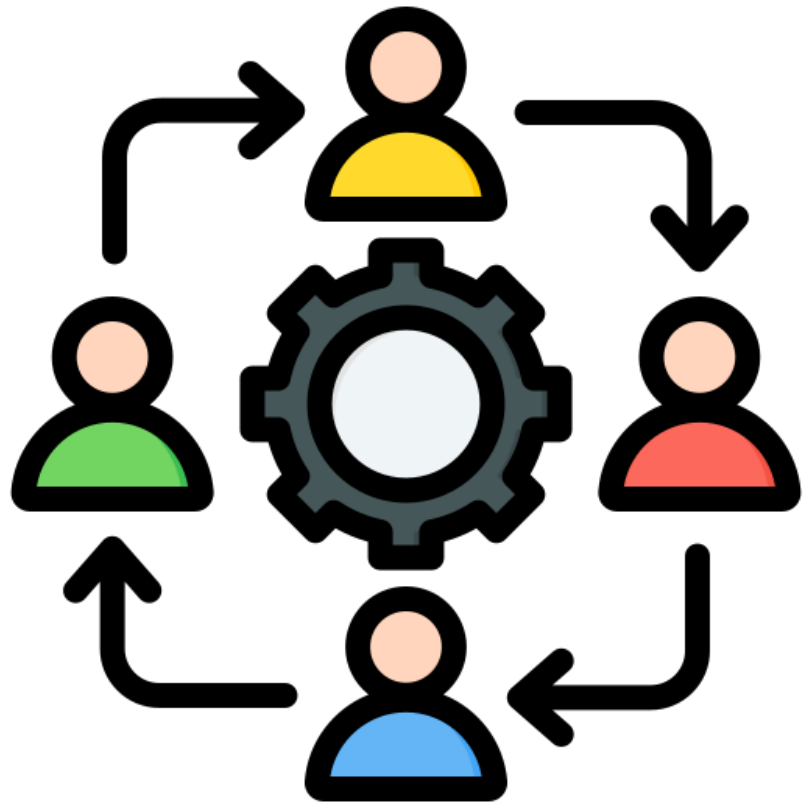
Reduce Abandoned Forest Areas

thereby decreasing risks associated with lack of management (e.g., wildfires, land degradation).

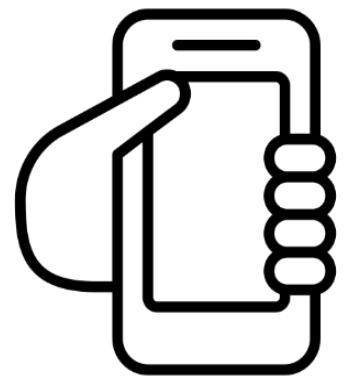
Increase managed Forest Area

Based on sustainability criteria, considering all ecosystem services provided (especially in private properties).

Participatory approach for the development of the DSS



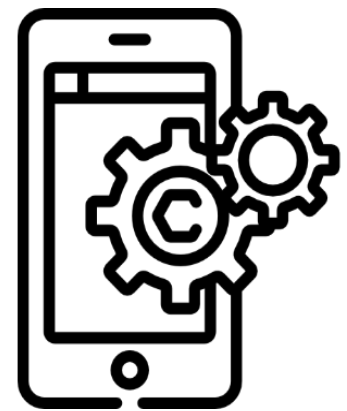
Target User	Needs
Private Forest Owners	<ul style="list-style-type: none"> - Know the forest resources on their property - Understand the constraints on their property
Forest Companies	<ul style="list-style-type: none"> - Know the forest resources on their property - Understand the constraints on their property - Support for updating forest management plans - Assistance with documentation for authorization processes
Freelance Professionals	<ul style="list-style-type: none"> - Ability to update forest management plans - Support for designing forest interventions - Support for writing Forest Management Guidelines - Assistance with writing supply chain projects - Help with documentation for authorization processes
Public Entities Involved in Forest Management	<ul style="list-style-type: none"> - Support for land control and authorization processes
Non-Governmental Organizations	<ul style="list-style-type: none"> - Know the forest resources
Citizens	<ul style="list-style-type: none"> - Know the forest resources



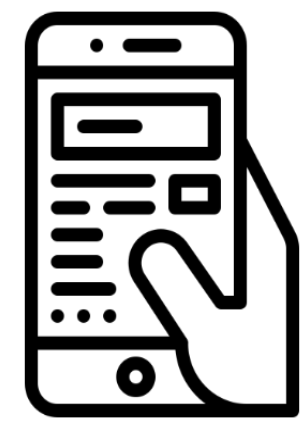
Developed for mobile devices, capable of acquiring geographic information, and designed to function without an internet connection.



Easy to use with just a few simple taps or voice commands, and designed not to complicate the work of users.

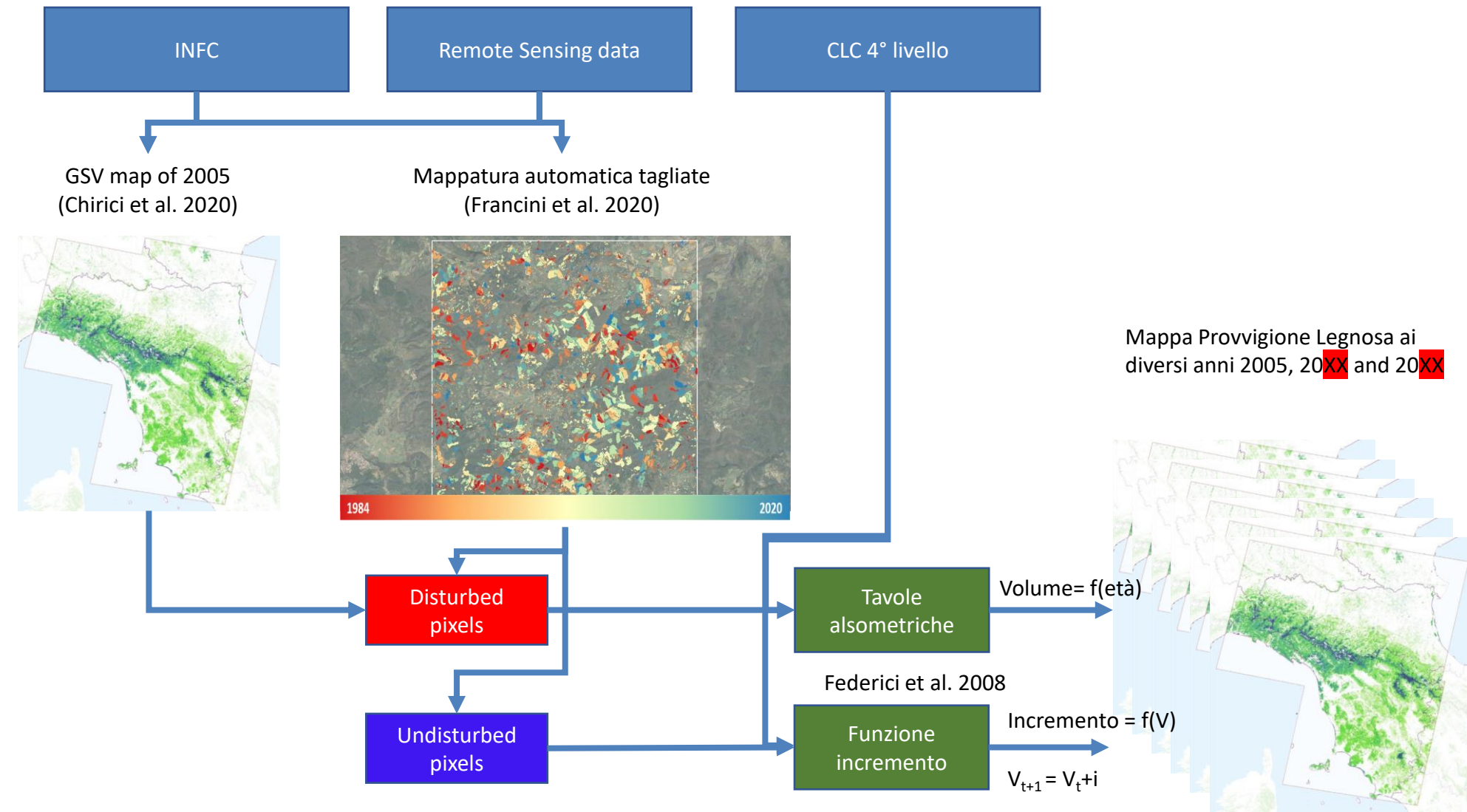
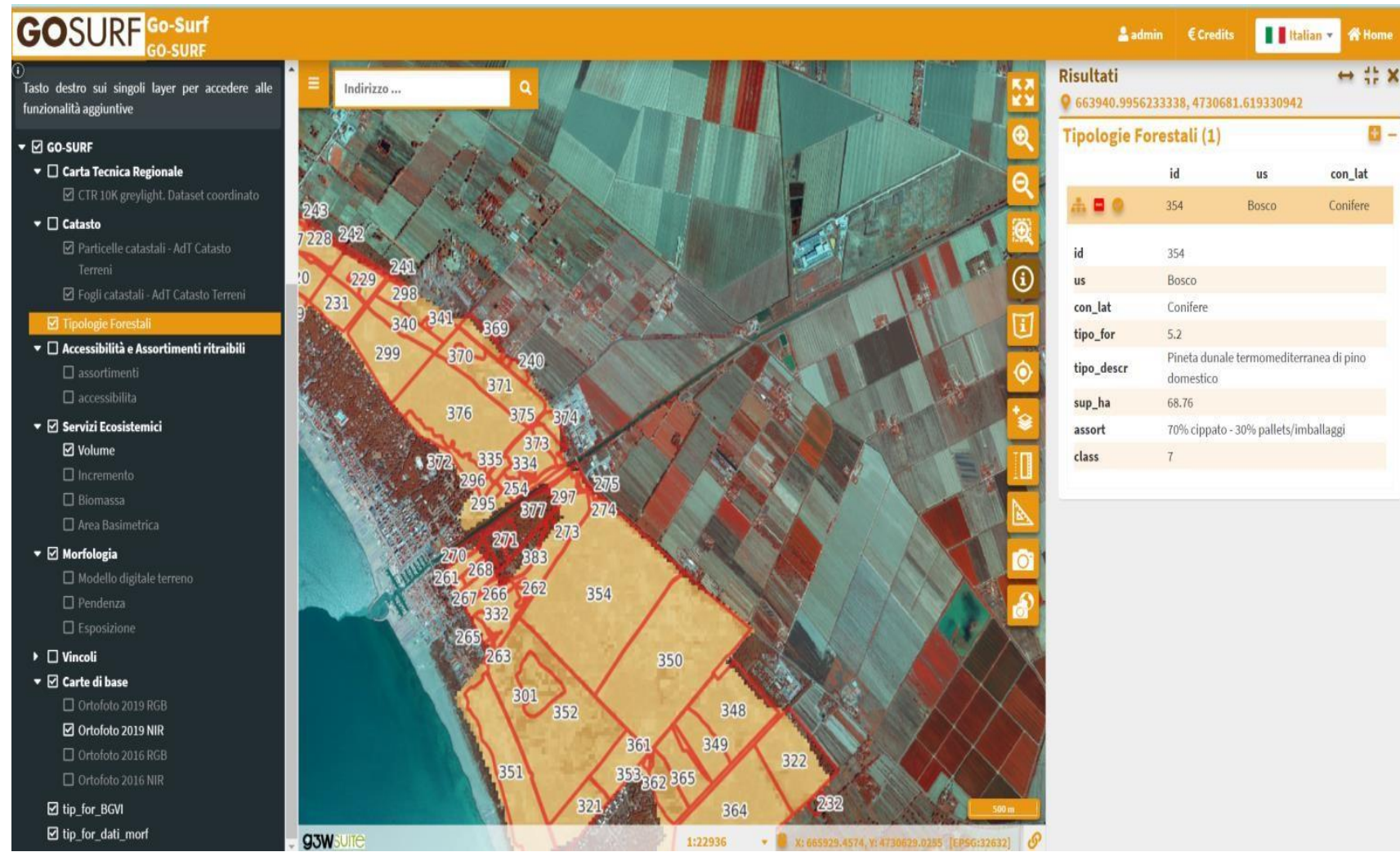


Process data in real-time, performing analyses using models, algorithms, and artificial intelligence systems.



Generate real-time reports and allow data to be downloaded in formats compatible with other systems for further processing.

Development of DSS



1. Which challenges are you or have you been faced with during implementation?
2. Which ideas do you have to mainstream your innovation in forestry/agroforestry?





Regione Toscana



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