



Integrated services and approaches for assessing effects of climate change and extreme events for fire and post fire risk prevention”

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THE PROJECT OBJECTIVES

The project aims at creating an international collaborative community, expert in remote sensing soil and vegetation, risk management and mitigation, to provide climate information along with decision makers and planning authorities in order to:

<p>Increase efficiency of decision and policy makers authorities response, to improve the preparedness level of our societies and to limit the high economic cost of climate variability impact on fire and post fire risks, develop methods and procedures within the framework of fire and post fire risk management in Europe at climatic time scales.</p>	<p>Strengthen the science-policy-society nexus using a participatory approach, by improving operational or experimentally tested climate services in Europe, tailoring relevant information for decision and policy makers through a participatory and circular approach, capacity building user-based tools, specific training programs, dissemination activities.</p>	<p>Increase the information regarding the drought conditions on wildfire and post fire risks management at climatic time scales for national and local authorities decision-making procedures and planning activities.</p>	<p>Investigate adaptation strategies and approaches to deal with future fire occurrence.</p>	<p>Collect scenarios on the effects of climate change on vegetation and fire occurrence.</p>
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PILOT AREAS

SERV_FORFIRE Joint Activities will take place in Pilot Areas which have been selected by the partners as more appropriate for this action.

A template has been created and filled in by the partners for the Pilot Areas which includes information about the responsible partner, the proposed activities, the availability and characteristics of the data sets and descriptive information, necessary for the organization of common activities.

PARTNER AND PI

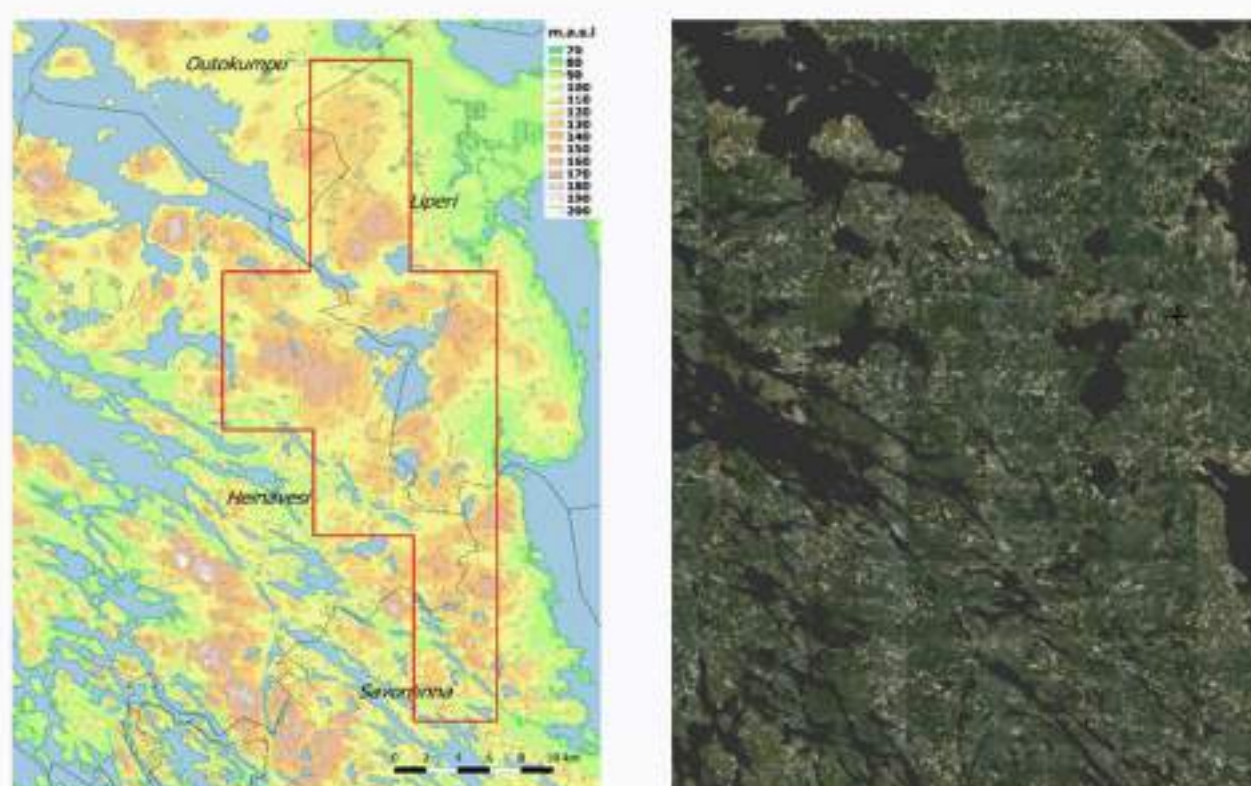
The consortium is made by partners whose scientific missions and interests are complementary and the inter- and transdisciplinary research collaboration is very important for the Institutional integration, for the current project and future joint activities.

Responsible Partner : FMI / Finland

EASTERN FINLAND / FINLAND

Proposed Joint activities

- Seasonal fire risk forecast: extended range and long range forecast



Responsible Partner: NCSR / Greece

EASTERN ATTIKA/GREECE

Proposed Joint activities

- Fire simulations , G-FMIS simulator
- Seasonal FWI estimation
- Post fire erosion

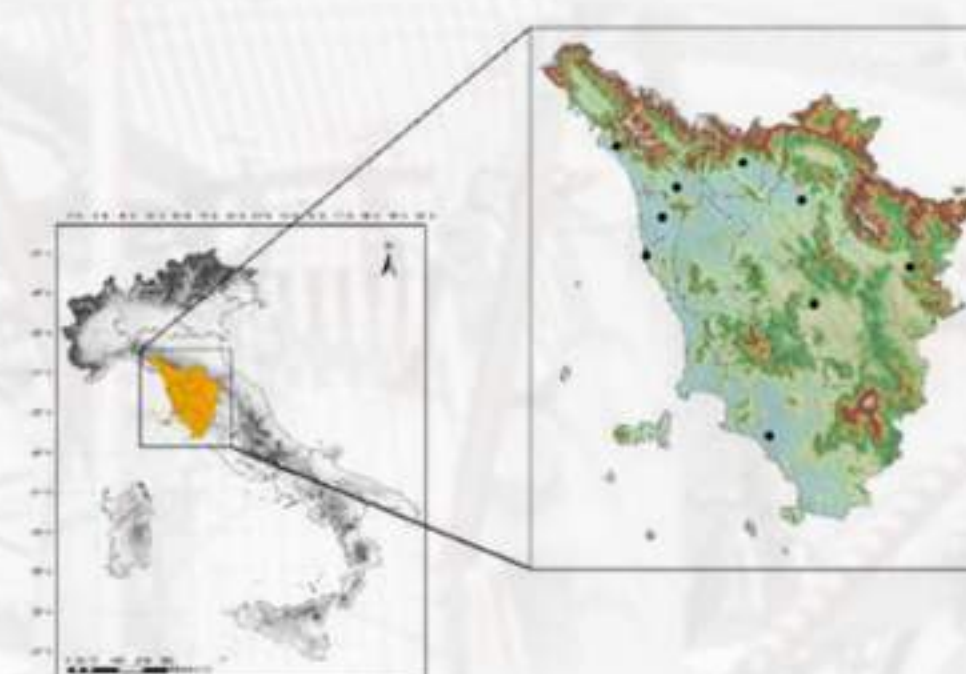


Responsible Partner : CNR-IBIMET/ ITALY

AREA I TUSCANY REGION / ITALY

Proposed Joint activities

- Historical drought indices analysis comparison with other areas in Europe and in the Mediterranean basin;
- Seasonal forecast of drought indices evaluation produced by empirical and numerical models (Copernicus Climate Change Service) calibrated on Tuscany and other pilot study areas;
- Joint analysis of drought and ecosystem indices with FWI estimations, for a reference period.



Responsible Partner: CNR-IMAA / Italy

AREA BASILICATA REGION / SOUTH OF ITALY

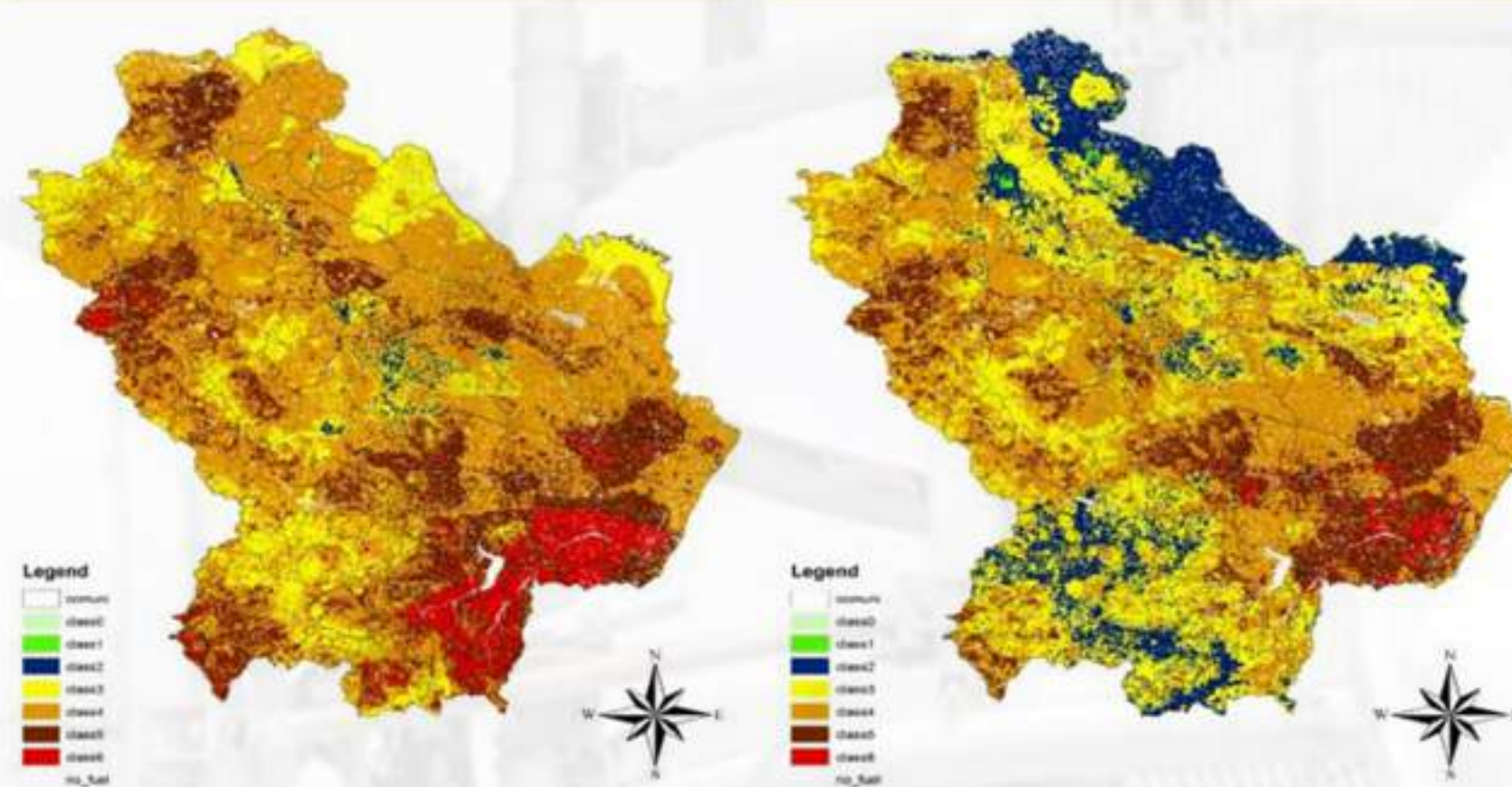
Proposed Joint activities

- Fire risk estimation at diverse temporal and spatial scales
- Fire simulation using FIRESITE simulator
- Post fire erosion
- Post fire risks (landslides, floodings)
- Post fire mitigation actions
- Fire adaptation strategies



Mappa Previsione Pericolo Incendi 12 Giugno 2017

Mappa Previsione Pericolo Incendi 02 Giugno 2017

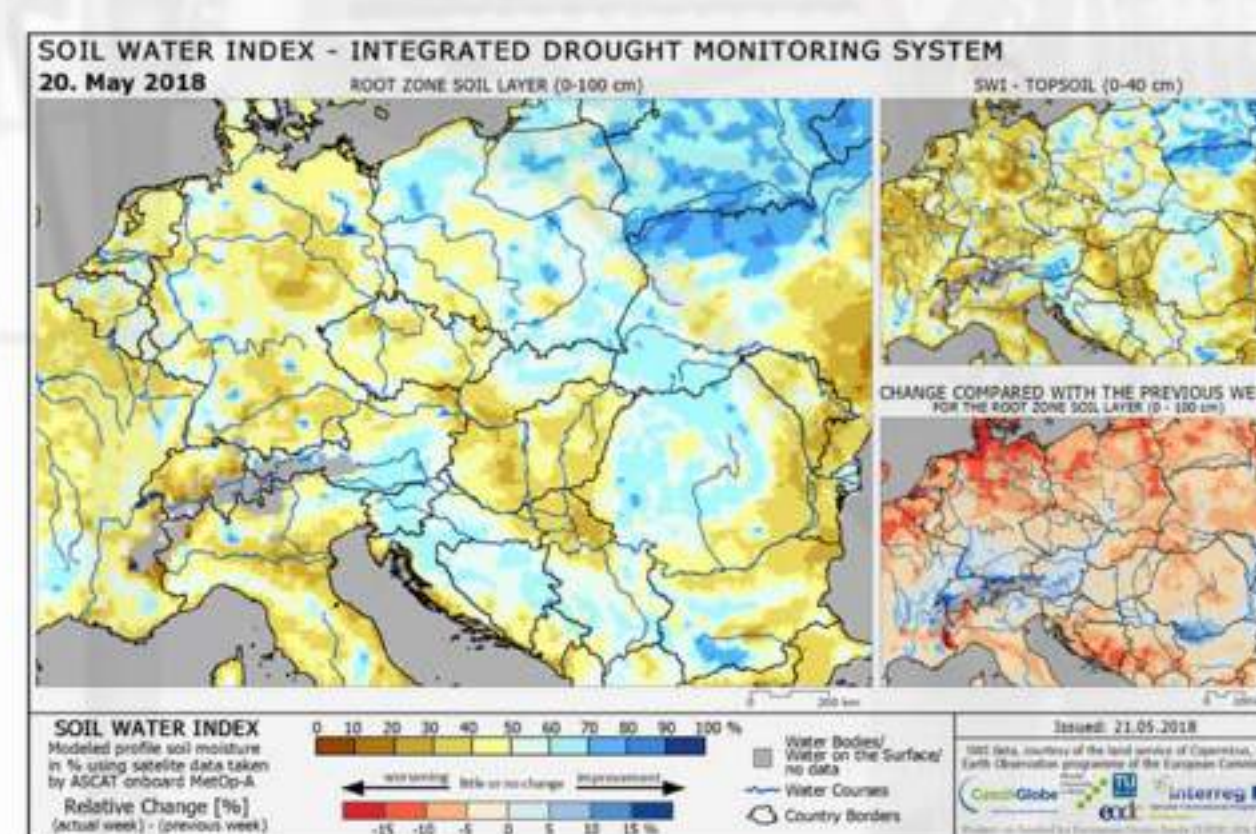


Responsible Partner : CzechGlobe

AREA I CZECH REPUBLIC

Proposed Joint activities

- Collaboration on comparison of various metrics of the wildfire monitoring
- Evaluation of the short and medium term forecasting tools (1-10 days)
- Seasonal estimation of the wild fire risk
- Proposal of the good practice in the wildfire prone areas based on the more fire-prone countries of the SERV4FIRE project.



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	KNMI Royal Netherlands Meteorological Institute Ministry of Infrastructure and Water Management PI: Peter Van Velthoven
	GCRI Global Change Research Centre CAS PI: Miroslav Trnka