Promote the uptake of EO services and data to contribute to the implementation of GEOGALM RAPP in Balkans and Central Europe

Prof. George Zalidis
Aristotle University of Thessaloniki, School of Agriculture
Director of the Laboratory of Applied Soil Science
Director of the Laboratory of Remote Sensing and GIS
Scientific Coordinator of i-BEC

WHO WE ARE
We are a non-profit, mission oriented international organization linking local and regional communities.

OUR MISSION
▸ Utilize Earth Observation Data
▸ Protect Natural Resources applying NEXUS Approach
▸ Stakeholder Engagement
▸ R&D of new Products & Services
GEO KNOWLEDGE BASE DEVELOPMENT

1. BEC is a Participating Organisation of GEO

ACT LOCAL, THINK GLOBAL

Support the effective integration of EO capacities

Ensure the long term sustainability of solutions

Adapt novel observation solutions and systems

Enhance the participation in GEOSS

Promote the uptake of EO services & data

Engage the complete ecosystem of EO stakeholders

Promote science and transfer of know-how

Link the community of users

Not just data but also how these data can be used to address key questions

6 MAIN PILLARS THAT UNDERPIN THE IMPLEMENTATION OF GEOGLAM RAPP IN THE ROI

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02 Ensure the long term sustainability of solutions

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UNDERSTANDING THE EO LANDSCAPE IN THE ROI

Create a comprehensive picture of the available EO in the RoI to support the establishment of integrated EO services that meet regional needs.

Enhance the current knowledge of existing EO capacities.

Identify the gaps and the maturity level of the different countries.

ENGAGE THE COMPLETE ECOSYSTEM OF EO STAKEHOLDERS

Fostering regional cooperation and roadmap for GEO and Copernicus implementation in N. Africa, Middle East, and the Balkans.

- 25 partners from 3 continents
- 4 thematic areas (Improved Food Security)

Engage public agencies, international scientific and financial institutions and GEO to promote EO in Albania.

Actions that meet the real needs (upland monitoring).
A VISION FOR A REGIONAL GEOSS PORTAL

**Regions of Interest**
- Balkans
- Middle East
- North Africa

**Thematic Areas**
- Climate Change
- Food Security
- Raw materials
- Energy

**EO categories**
- Space Borne
- Ground Based
- Modelling
- Data Exploitation

Survey and Desk research
- 32 national portal and sites
- 12 continental and global portal and sites

**GEOSS portal**
- 25131225 datasets

A REGIONAL SOIL SPECTRAL LIBRARY IN SOUTHEASTERN EUROPE AND MENA

- Building of a Regional Standardized SSL (Task 4)
- The most diverse SSL in the RoI (>1600 Soil Samples)
- Significant & Robust Results via Machine Learning Models
- Part of the Data Hub of GEO-CRADLE
- Open To All

The thematic priority of Improved Security linked with the SDGs
NOVEL OBSERVATION SOLUTIONS:

Member of the Advisory Board

INVICTUS RAPP pilot: Determination of Rangeland and Pasture Productivity through reinforced use of Earth Observations

- Concretely contribute to the work of GEOGLAM-RAPP
- Pilot study in Hungary designed to meet the requirements of GEOGLAM-RAPP

Develop and test an integrated, in situ driven solution (UAVs, crowdsourcing, in-situ sensors) for effective observation of essential variables

NEW OPPORTUNITIES AND MARKET DEVELOPMENT OF THE GREEK EARTH OBSERVATION COMMERCIAL SECTOR

The 1st commercial monitoring effort of grasslands in Greece

- Develop novel solutions for and with end users
- Working Together with Greek Ministry of Agriculture
- UAV and Mobile Soil Sensor System (Vis-NIR Spectrometer)
- Field Diagnostic Toolbox
- Complete Set of Measurements in the field: Precise - Instant - Low cost
- EarthGraze
STRATEGIC DEVELOPMENT OF A TRANSNATIONAL AND INTERNATIONAL INITIATIVE IN THE BALKAN REGION

1st Round Table
Greece, 17 June 2017

Under the Auspices of

- Establish a regional network towards a regional implementation of GEO vision in the area through the establishment of a GEOBALKAN initiative
- Establish a new interregional funding scheme among the participating countries
- Identify and set up a network of national statistical authorities to ensure the implementation and monitoring of SDGs

RECOMMENDATIONS FOR AN ACTIVE AND SUSTAINED PARTICIPATION IN GEO-GLAM RAPP

- Build synergies with on-going projects and Regional Initiatives
- Use the Data Hub as a platform for making available the GEO-CRADLE pilots’ data and results
- Establish an European GEO-GLAM-RAPP co-leader office
- Explore and Participate in Funding Opportunities: The PRIMA initiative 2018