CONSIGLIO NAZIONALE DELLE RICERCHE

DBAR
Digital Belt and Road

Potenza Reseach Areas of National Council of Reseach

- Institute of Methodologies for Environmental Analisys

- Institute of Archeological Monumental Heritage

Tito Scalo centre (Potenza - Italy)
C.da S. Loja - Zona Industriale,
85050 Tito Scalo (PZ)

Contact details

International Center of Excellence (ICoE) of Potenza CNR IMAA
Scientific Director
Rosa Lasaponara

rosa.lasaponara@imaa.cnr.it
https://servforfire-era4cs.eu/
tel. 0039 0971427214

Earth Observation Integrated Approaches:

Data and Science in support to Cultural Heritage

International Centers of Excellence (ICoE) of Potenza CNR IMAA

CAS - DBAR and CNR - IMAA and IBAM Initiative
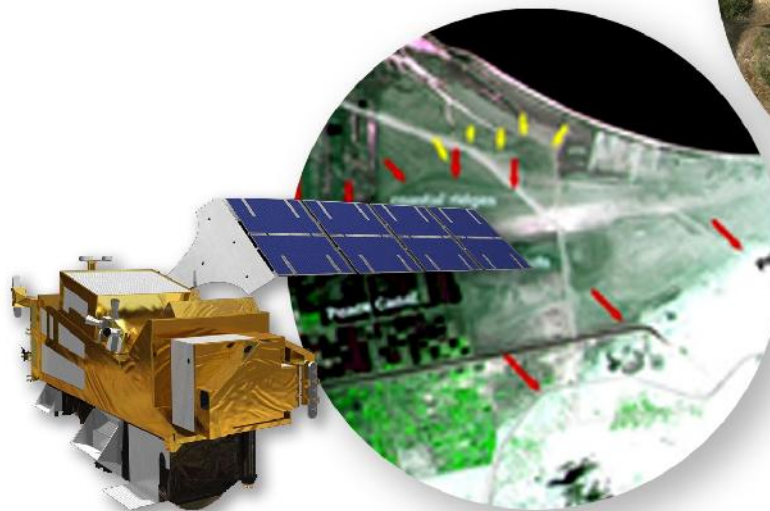
imaa

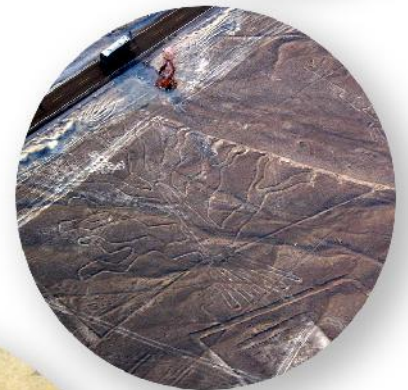中国科学院
CHINESE ACADEMY OF SCIENCES

ibam

Mission

The ICoE contributes at creating an international collaborative community of experts in Earth observation, Big data, ICT, Archaeological research, in support to Natural and Cultural Heritage, in order to:

• promote the use of Big earth observation data and information for natural and cultural Heritage preservation, monitoring and management;

• assess the effects of climate change, pollution, urban and rural development, looting, and conflict;

• to promote the use of Remote sensing as a key tool for archaeology and for studying human past and, human-environment interactions in ancient times;

• face Open challenges, from the extraction of relevant information to the integration of Satellite, aerial, UAV and in situ data sources;

• strengthen the science-policy-society nexus using a participatory approach, by improving already EO operational or experimentally tested applications.

Overall plans:

• conduct research at local, regional, and global scale, focused on the use of EO and big earth data in support to Natural and Cultural Heritage;

• set up case studies and demonstration projects addressed to the preservation and valorisation of Cultural Heritage along the Silk Road and not only;

• foster specifically-designed cooperation on earth observation data and applications also involving policy and decision-making;

• contribute to Earth Observations researchers' network and platforms;

Scientific directors

Rosa Lasaponara, Xinyuan Wang and Nicola Masini