

# INTEGRATED DIGITAL PLATFORM FOR THE VALORIZATION OF A CULTURAL LANDSCAPE



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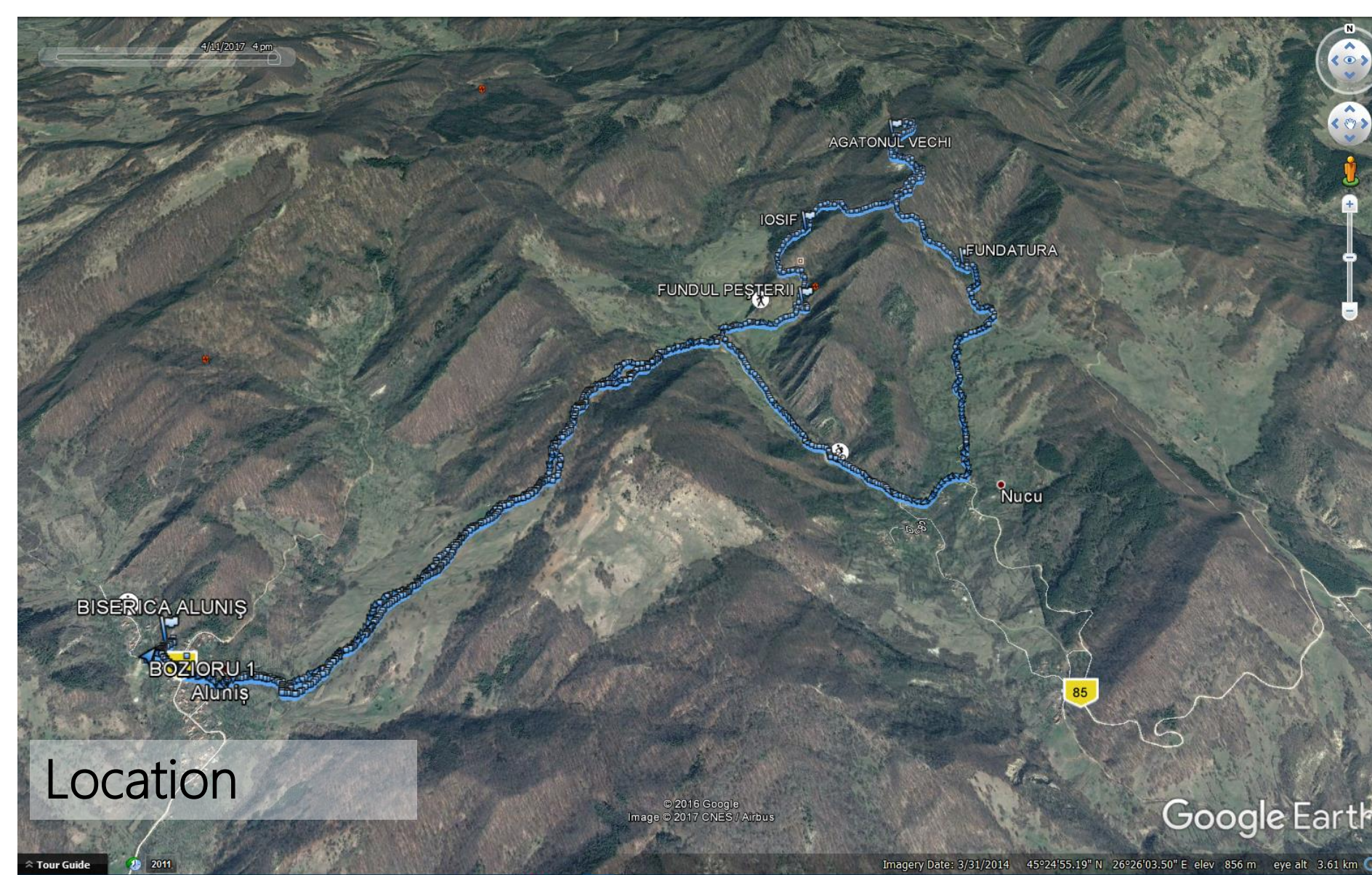
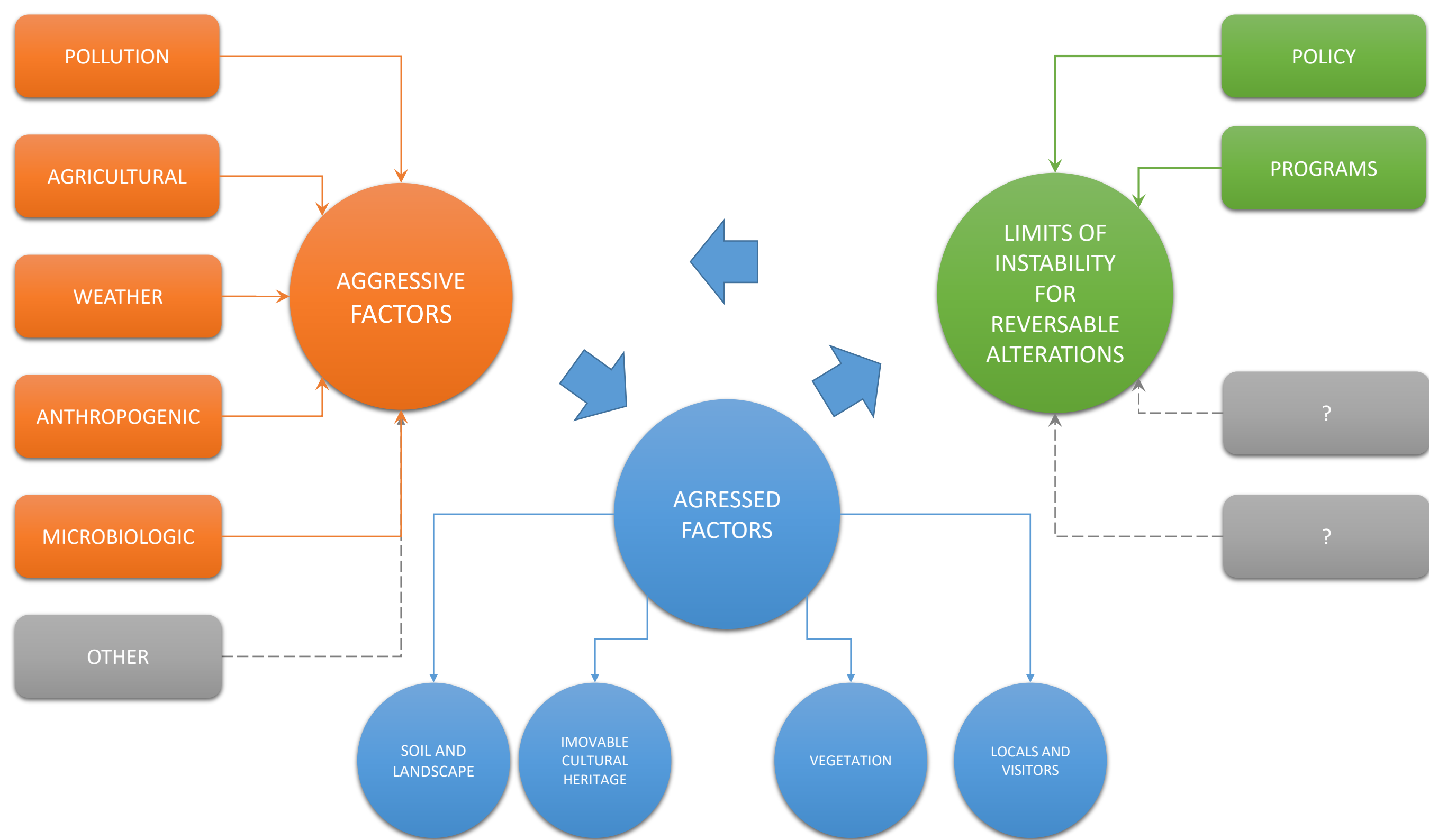
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**PURPOSE:** This paper presents a newly started demonstrative project regarding the implementation and validation of an interdisciplinary research model for the Aluniș-Bozioru (Romania) cultural landscape, with the development of an online interactive digital product. This digital product would provide complementary

data about the historical monuments and their environment, and also, constant updates and statistical comparison in order to generate an accurate evaluation of the state of conservation for this specific cultural landscape.

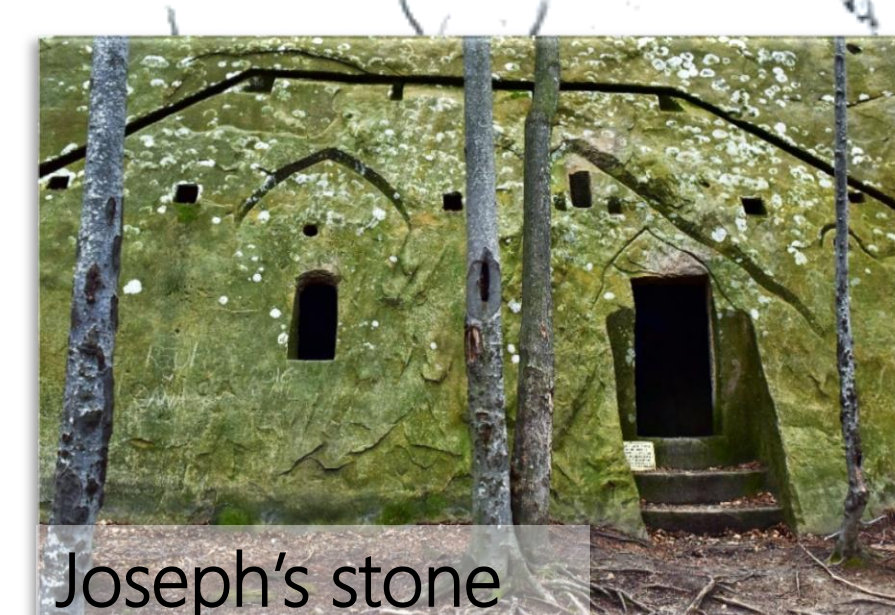
**CASUISTRY:** The selected monuments for this project are just a few from a greater number of similar monuments in the Buzău Mountains. studies concluded that many of these caves have been carved and used long before the medieval times some of them going back to the Hallstatt period.



**METHODS:**

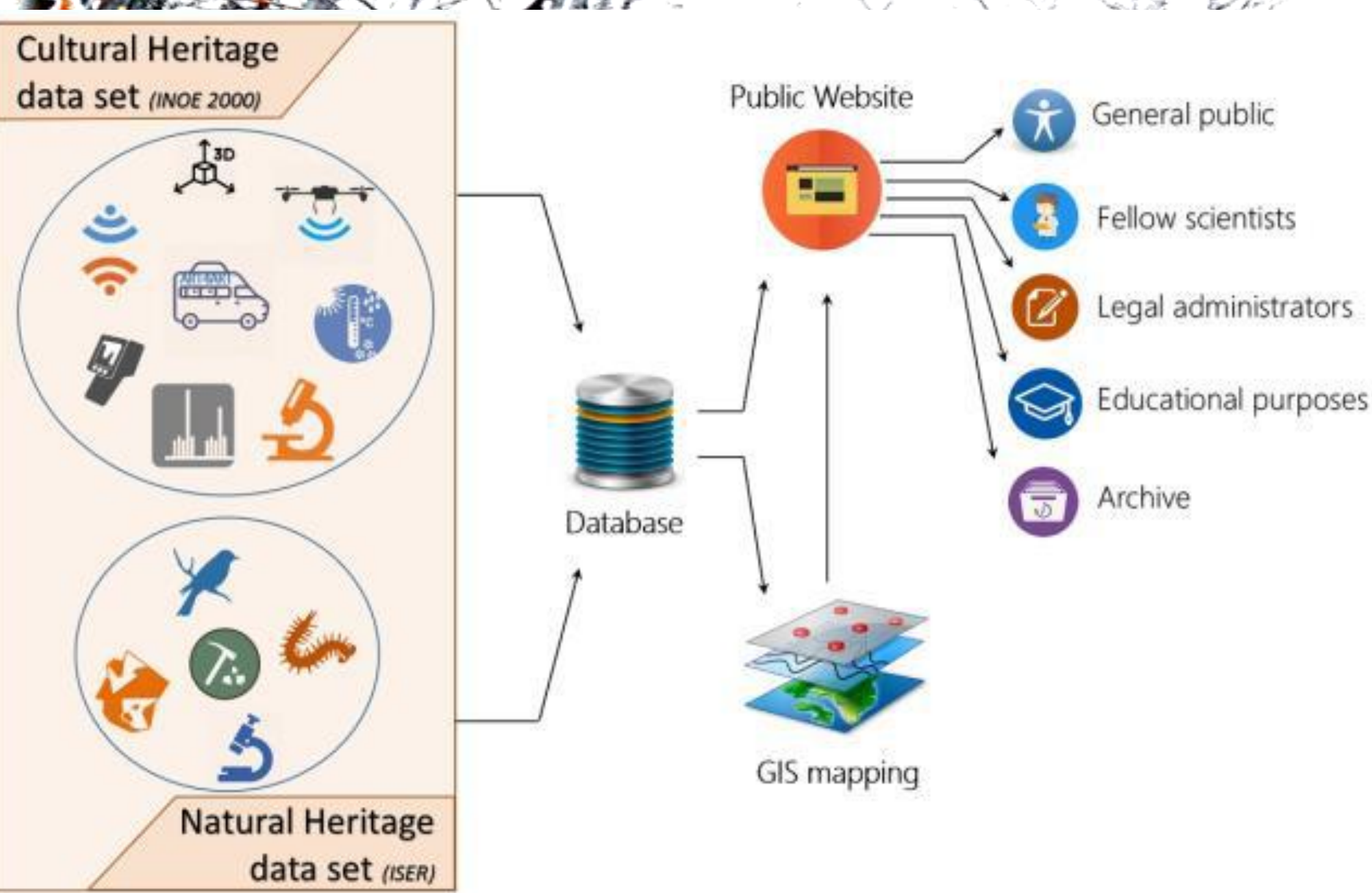
Field campaigns in 2017, 2018

Micro-climate monitoring for 18 months



- CULTURAL HERITAGE STUDIES**
- 3D Documentation
  - Ground Penetrating Radar
  - Unmanned Aerial Vehicle
    - Photogrammetry
    - LIDAR
    - Multispectral
    - Infrared (thermal)
  - Terrestrial imaging sensors
    - Multispectral
    - Thermal
  - Physico-chemical analysis
    - XRF
    - FTIR

- NATURAL STUDIES**
- Lithostratigraphic features
  - Micro-tectonic features
  - Sedimentological logging
  - Petrographic microscopy
  - GIS technology



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