Experiences from Early Adopters in EOSC
RELIANCE Open challenge for Sustainable Development

Optimizing management, sharing and preservation of scientific outputs using RoHub

6th December 2022 – online
https://webinar22.eoscfuture.eu/registration/

Optimizing management, sharing and preservation of scientific outputs using RoHub

Consiglio Nazionale delle Ricerche

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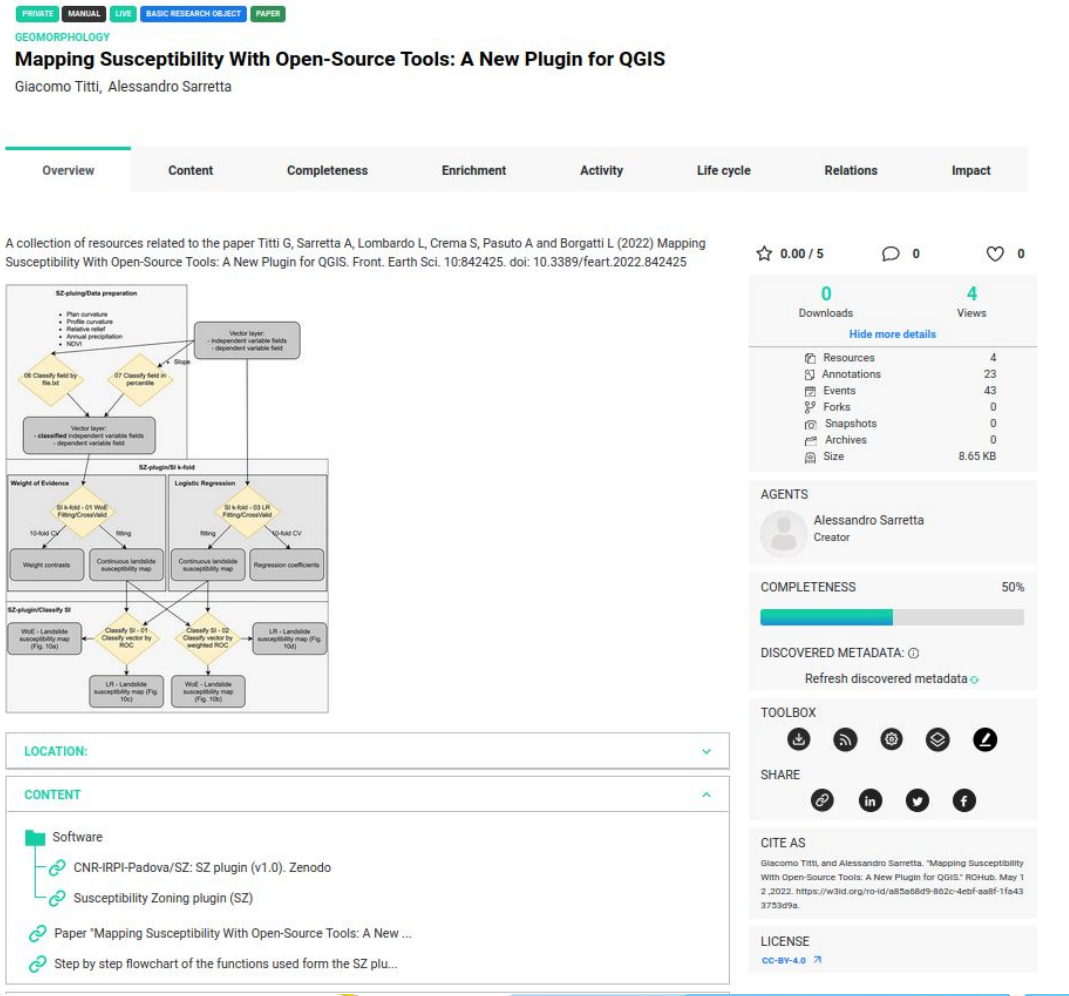
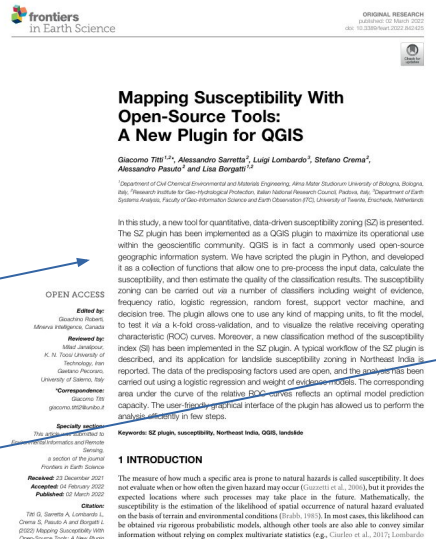
Main activities carried out with the RELIANCE Services

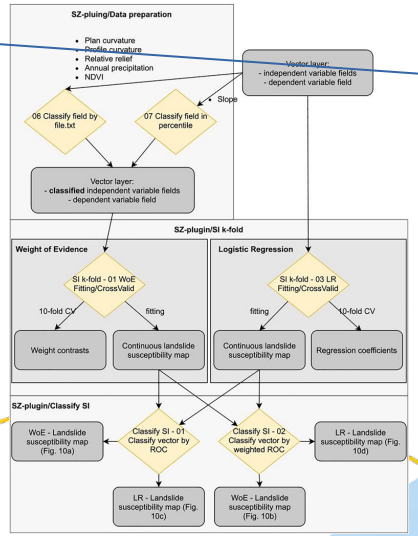
- **RoHub** was used as a mean to organise, collect and make available collections of outputs related to a research activity.
- There was no previous experience in the Reliance software/platforms stack.
- **Basic** and **Data-centric** research object have been created to test the systems with the most “classic” types of resources.
- First steps were carried out to work also with **Executable** and **Workflow-centric** objects.

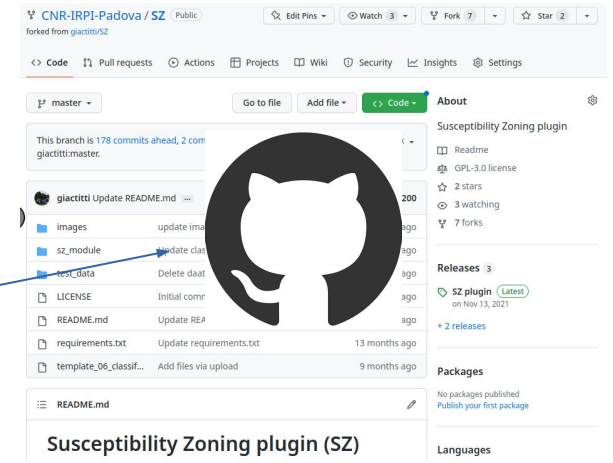


RESEARCH OUTCOMES

- Various resource related to a research activity were described and made accessble in RoHub through a **Research Object**
  - Scientific article
  - GitHub software repository
  - Zenodo data and code
  - Graphic summary of the research
  - Jupiter notebook
  - …







FINAL CONSIDERATIONS AND REMARKS

- The *Research Object* is not a totally new concept for organizing research output, but the implementation and the RoHub graphic interface adds **simplicity** and **standardization** to the process

- The use of **DOIs** to ROs is a good, standard and transparent way to “bundle” and make available research “building blocks” that are usually placed in different (and not so related) places.

- The use of the RoHub system in this perspective also depends on strengthening certain available features, e.g. data storage, computing power, flexibility in the use of software packages, plus continuous integration with the evolving research and open science environment (e.g. GEE, open peer-review, ...)

Thank you for your attention!

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