

living planet symposium | BONN 23–27 May 2022

TAKING THE PULSE
OF OUR PLANET FROM SPACE



*Climate adaptation from space:
How can earth observation technologies advance sustainable and inclusive
adaptation*

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Inclusion of local communities and

Satellites: a lot of open and accessible data: geophysical variables.

Caveat still: adaptation indicators and targets

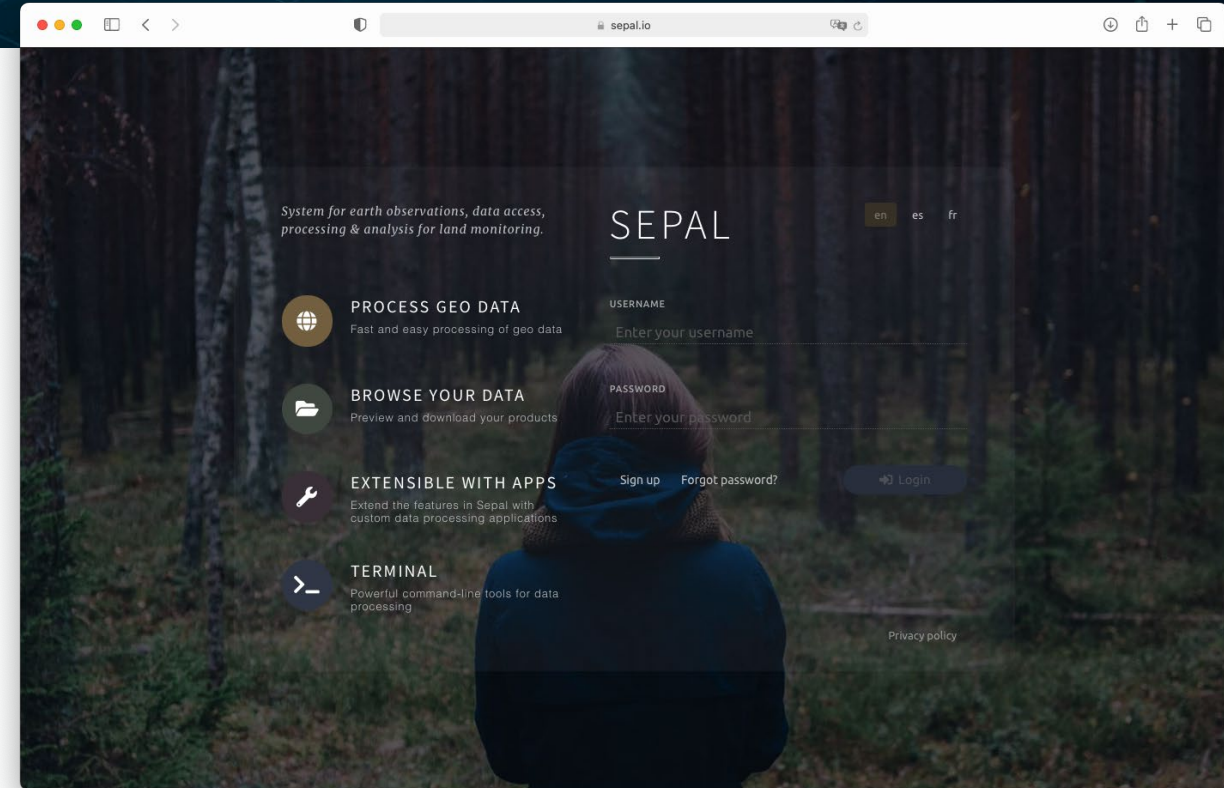
Efforts needed on the co-development of indicators with stakeholders and end-users.

Adaptation needs are always locally-specific, hence the emphasis on co-developing applications that use satellite data with policymakers and stakeholders and to integrate other useful sources of information relating to user needs. Only then will climate services truly increase communities' resilience at the local level," (Prof. Hegglin).

Earth Observation and Cloud Computing - SEPAL



- SEPAL is a cloud based platform for accessing, processing and analysing geospatial data for land monitoring
- SEPAL is free and open: anyone can register for access to its features
- All you need is an Internet connection to access the SEPAL website



Achieving ambitious climate goals relies on **international cooperation**. Transnational partnerships are playing a growing role as technology, knowledge and experience are shared, also in Earth Observation and space technology

Accountability to do knowledge transfer through **capacity building, easy user-friendly tools which allows for local resilience**, taking into account user needs from the start

Responsibility for developed countries to help **sustainable development: taking into account the social-economic dimension** (inclusion of youth, women)

Concrete example of actual FAO support: Use of HR satellite data (Planet) for the NDCs and NAPs of countries including workshops, e-learning and hands-on practices to local communities, practitioners and academic curricula (through NICFI funding)

DATA OWNERSHIP

END-USER INCLUSION FROM THE DESIGN PHASE

**COORDINATION OF FUNDING MECHANISMS AND PROGRAMMS
AIMING ON LONG AND MEDIUM TERM**

**LATEST SCIENCE OPTIONS ARE NOT ALWAYS VIABLE AND/OR
THE BEST SOLUTION FOR SUSTAINABILITY**

Thanks for your attention!

More info on www.fao.org

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