## CASSIE – Intertidal Module

User - roadmap

# Coastal Analyst System from Space Imagery Engine

Collaborative web platform with geospatial observation and forecasting solutions applied to monitoring, mitigation and adaptation of the coastal zone in the face of climate change.



**FIRST ACCESS** 



SIGN IN WITH GOOGLE

### Module Selection



### **Module Selection**



#### Shoreline Analyst

Automatic mapping and statistical analysis of the shoreline evolution on any coastal area of interest in the world, using this module.

CHOOSE



#### Bathymetry (beta)

Estimation of shallow water depth on a selected coastal region, using optical inversion algorithms and machine learning.

CHOOSE



#### Coastal Squeeze (beta)

Mapping and analysis of indicators to obtain the Coastal Squeeze potential in mangrove areas.

CHOOSE



Language :

#### Intertidal (under development)

Depth estimation on intertidal zones, through waterline method.

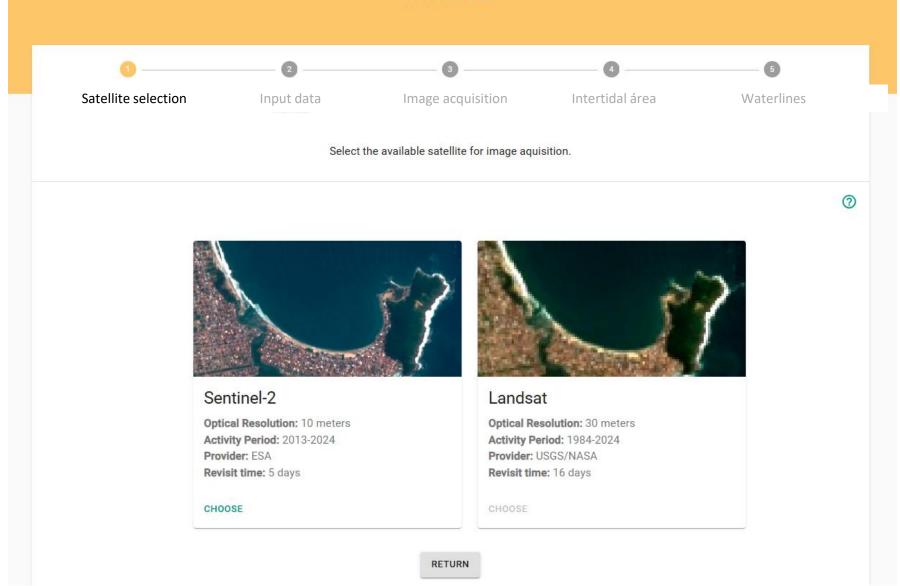
CHOOSE

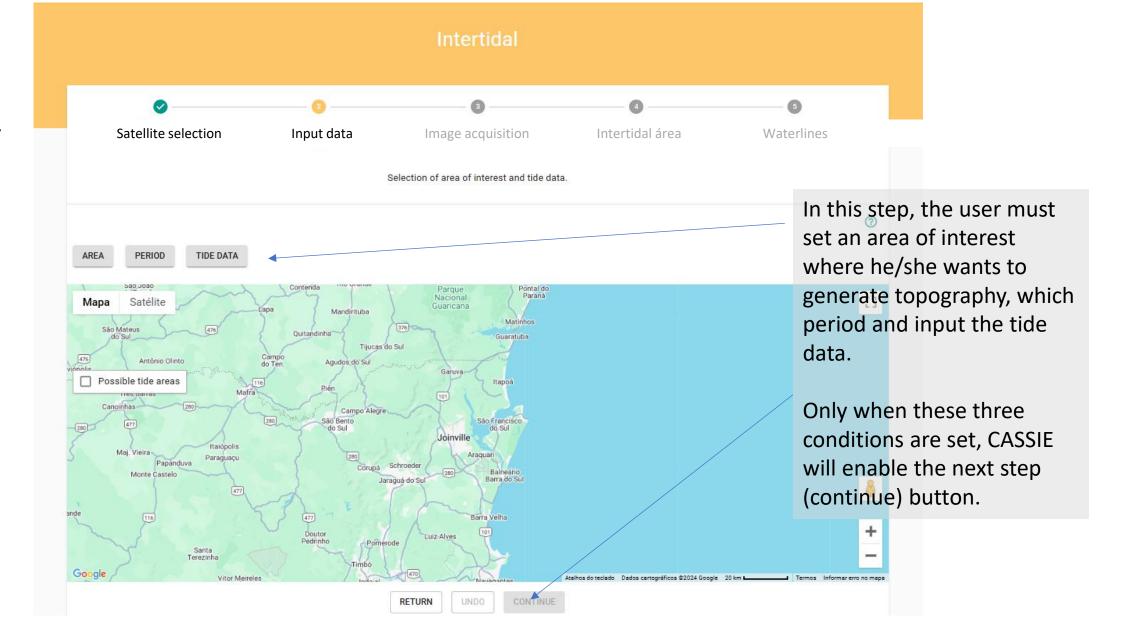
### Intertidal Module

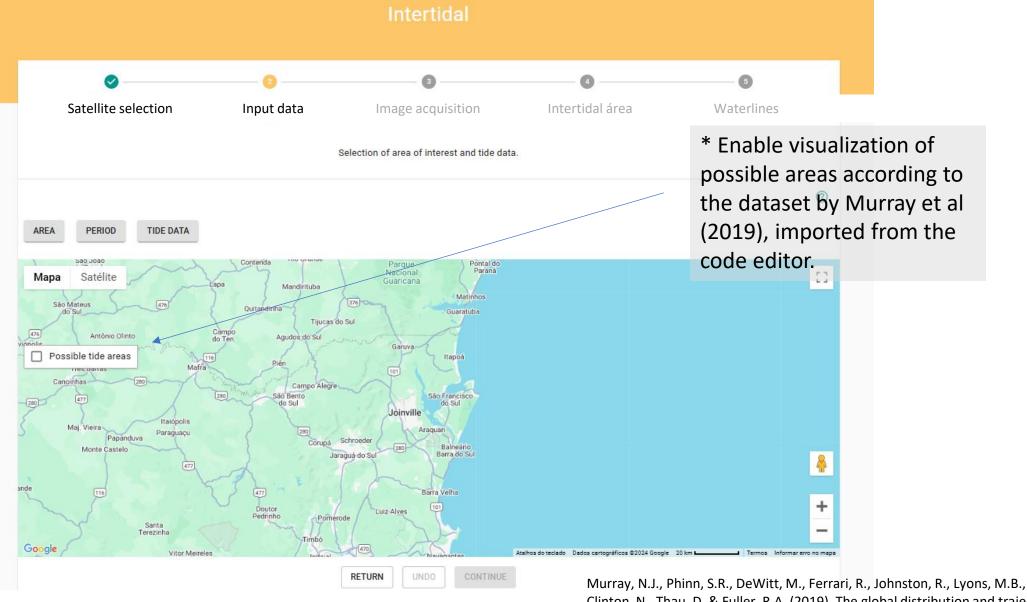


Intertidal (under development)

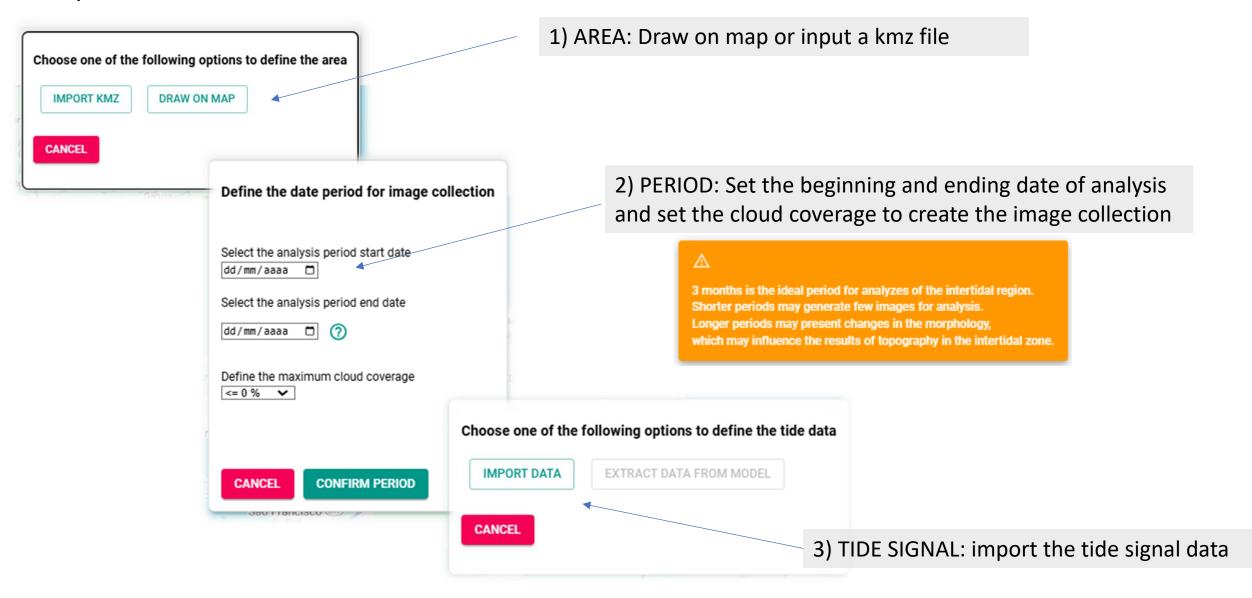
Depth estimation on intertidal zones, through waterline method.



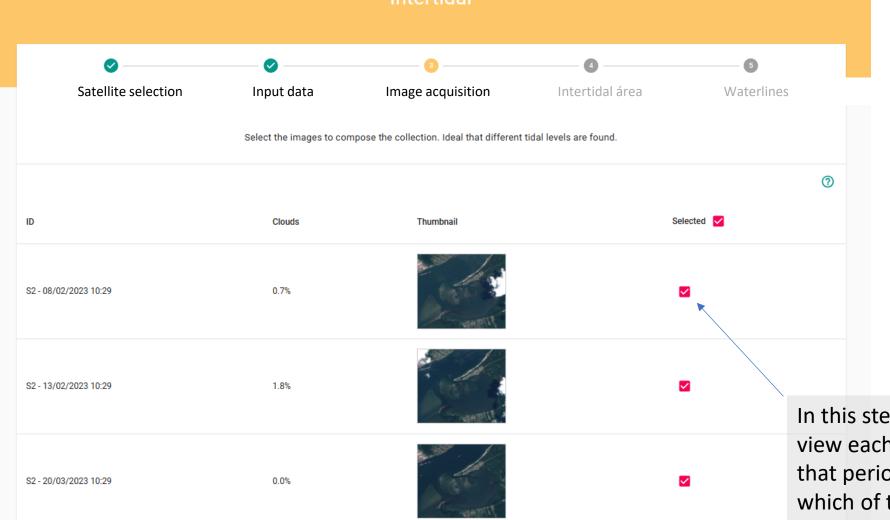




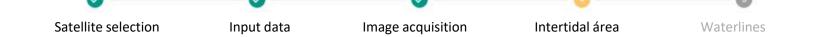
Murray, N.J., Phinn, S.R., DeWitt, M., Ferrari, R., Johnston, R., Lyons, M.B., Clinton, N., Thau, D. & Fuller, R.A. (2019). The global distribution and trajectory of tidal flats. Nature, 565, 222-225.

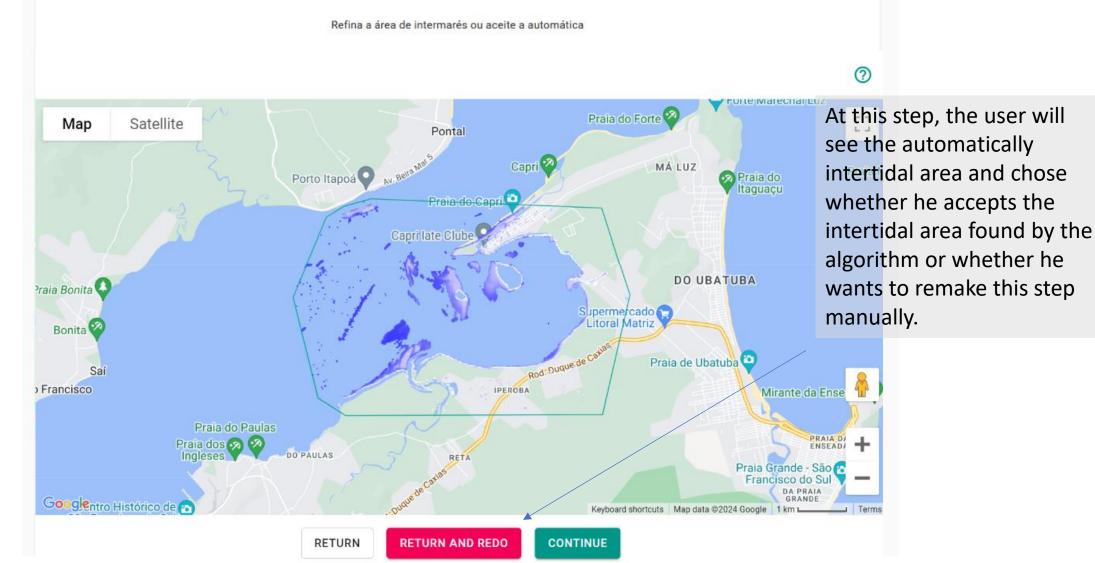


### Step 3

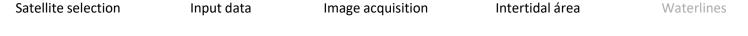


In this step, the user will view each image found for that period and must select which of them to keep for the analysis.
Ideally, different tide levels should be chosen.









Refina a área de intermarés ou aceite a automática

