NextGEOSS Biodiversity Pilot:

Remote Sensing-enabled Essential Biodiversity Variables Data-hub for European Habitat Mapping

A Creating the NextGEOSS European RS- enabled EBVs Data-hub

The NextGEOSS European RS-enabled EBVs data-hub was created.

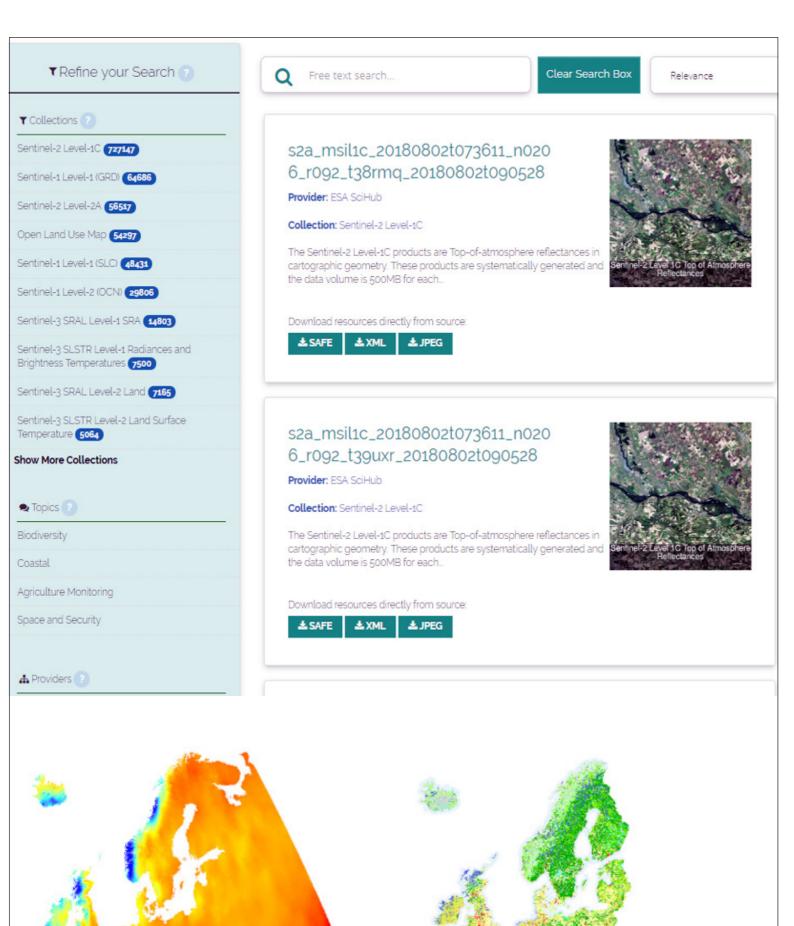


Fig. 1. NextGEOSS data-hub

B Generating RS-enabled EBVs

From the RS-enabled EBVs, which were initially proposed to be derived from high-resolution satellite data (Sentinel-2), leaf area index (LAI) was selected.

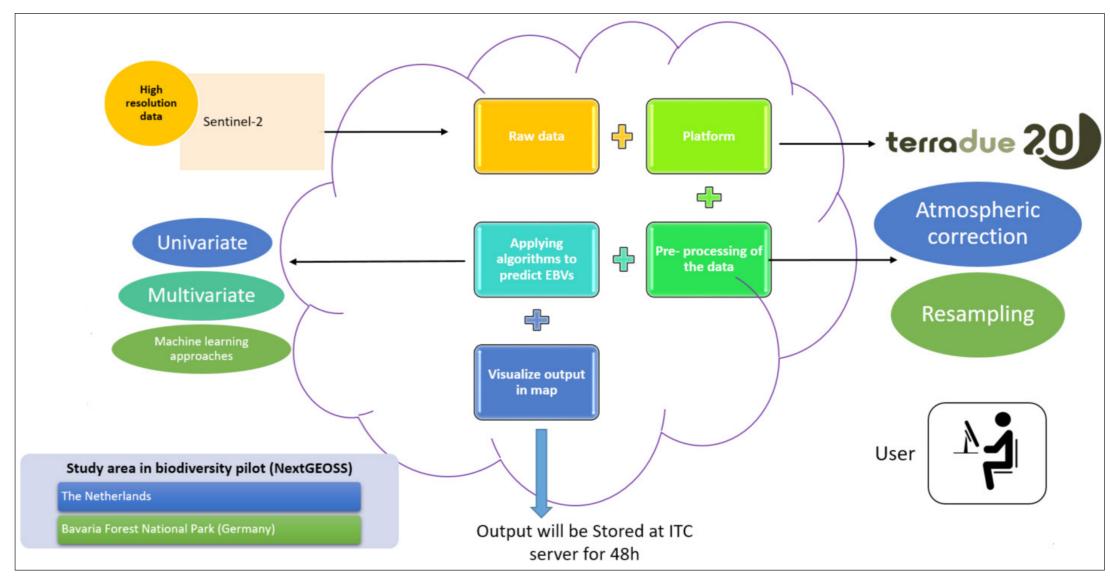


Fig. 2. The integration process for data processing for the prediction of the RS-enabled EBVs (e.g., LAI) over the Netherlands on Terradue cloud platform

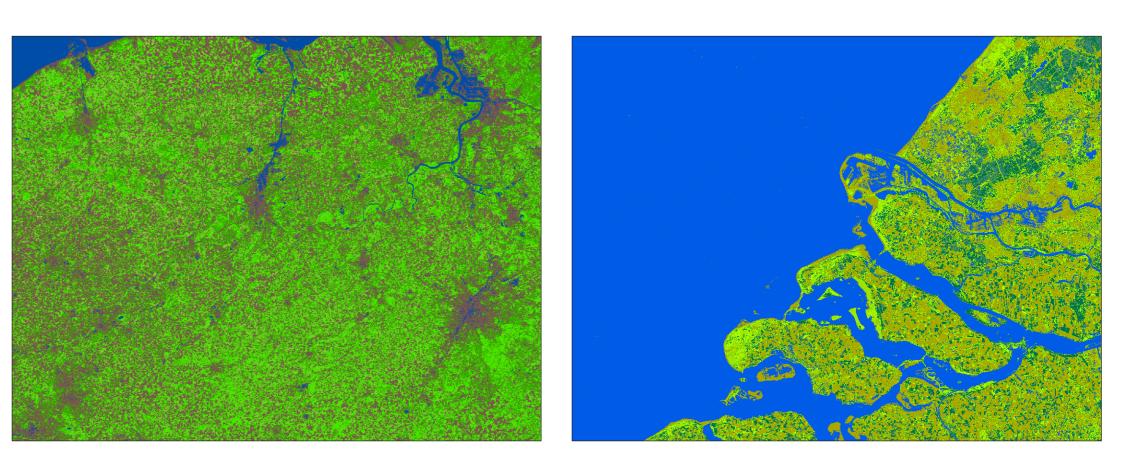
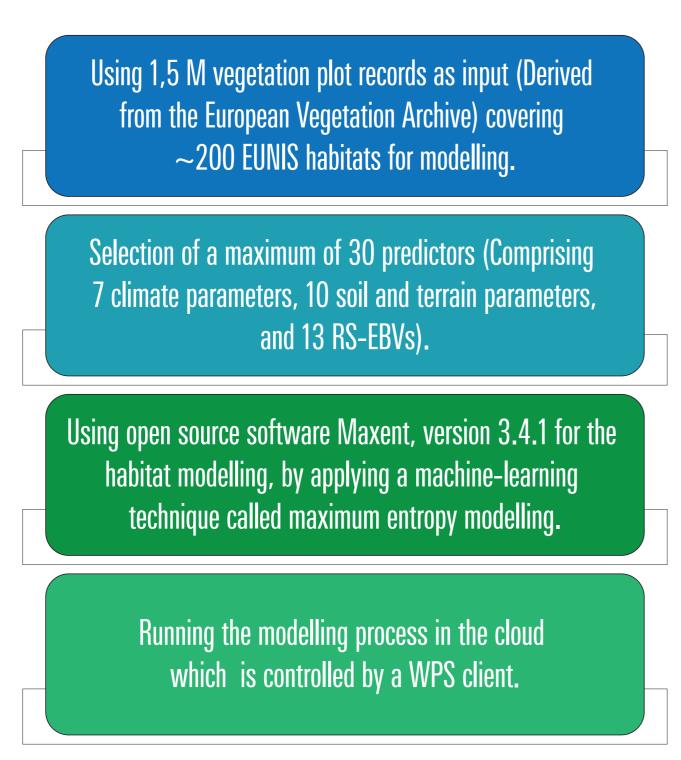


Fig. 3. Leaf area index predicted over the Netherlands using Sentinel-2 data, on 6 May 2018 in NextGEOSS biodiversity pilot.

C Remote Sensing-enabled EBV's for European Habitat Mapping



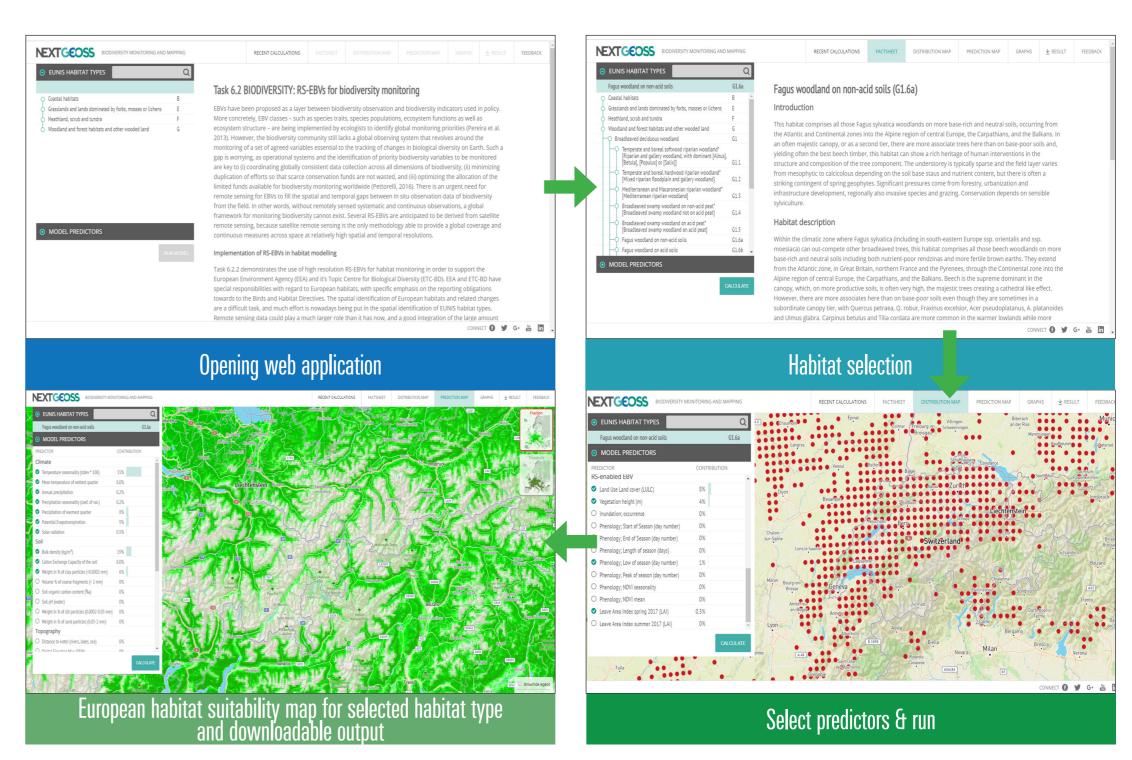


Fig. 4. The procedure followed to modelling the spatial distribution of European habitats using in situ data, environmental layers as RS-EBVs products.









