Biomass Production Estimation

Download Product Sheet



Frequency / timeliness

Frequency: 10 days

Timeliness: <3 days after retrieval

Delivery / output format

Data type: Integer

File format: NetCDF

Accessibility

Operational products over Europe are available at medium resolution grids (250m - 1km). Copernicus Global Land Service Dry Matter Production (DMP) & MODIS Gross Primary Production (GPP)/Net Primary Production (NPP)

Dedicated products on high resolution (e.g. Sentinel-2) could be developed by service providers.

CHALLENGES ADDRESSED - USE CASE(S)

Product Development:

- Market analysis
- ٠ Elaboration of crop profile: Field crops, vegetables, horticulture, greenhouses
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- Elaboration of livestock profile: Cows, sheep, pigs, poultry Information on forest health and production at different temporal scales (real-time monitoring historical development) •
- · Identification of specific stresses and vegetation problems and their underlying causes
- Crop growth status during the pre-winter vegetation season of winter crops
- Study relations between climatological events and crop production proxies at large scale

Underwriting:

- Seasonal portfolio mapping
- Risk / crop zoning

Loss Adjustment:

- Risk mapping against crop's vegetation stages
- · Pasture biomass data