

CLMS HR-VPP — Dataset Citation (metadata only)

Dataset

- Name: High Resolution Vegetation Phenology and Productivity (HR-VPP)
- Service: Copernicus Land Monitoring Service (CLMS)
- Source satellites: Sentinel-2A / Sentinel-2B (Copernicus)

Responsible institutions (as stated in CLMS documentation)

- Copernicus Land Monitoring Service (CLMS)
- European Environment Agency (EEA) project officer referenced in user manual

Coverage

- Geographic: Pan-European coverage (EEA region; HR-VPP pan-European component)
- Temporal: From ~2017 onwards for pan-European high-resolution products (per service descriptions)

Spatial / temporal characteristics (as stated in HR-VPP documentation / catalogues)

- Spatial resolution: 10 m × 10 m (high-resolution product suite)
- Repeat frequency basis: Sentinel-2 revisit ~5 days (constellation)
- Product family includes:
 - Vegetation Indices (VI): NDVI, LAI, FAPAR, PPI (near real-time; daily product in public collections)
 - Seasonal Trajectories (ST): filtered time series (commonly 10-daily)
 - Vegetation Phenology & Productivity Parameters (VPP): yearly/seasonal parameters (annual updates)

Primary variables / indicators (named in CLMS / HR-VPP materials)

- NDVI (Normalized Difference Vegetation Index)
- LAI (Leaf Area Index)
- FAPAR (Fraction of Absorbed Photosynthetically Active Radiation)
- PPI (Plant Phenology Index)
- VPP phenology/productivity parameters (suite parameters as documented by CLMS)

Access modality

- Public Copernicus/CLMS distribution channels; HR-VPP Data Access Manual describes catalogue/search/job/download access paths.

Official documentation / catalogue references

- Copernicus services catalogue entry (HR-VPP / PPI metadata example)
- CLMS Technical Library: HR-VPP Data Access Manual (download)
- CLMS Technical Library: Product User Manual (Seasonal Trajectories & VPP parameters)
- CLMS News: Annual product update notices (HR-VPP parameters updates)

Notes (governance)

- Metadata-only citation record. No performance claims, no methodological claims, no use-case framing.