CLMS HR-VPP — Vegetation Indicators (knowledge note)

Scope

This note lists vegetation indicators defined and distributed within the Copernicus Land Monitoring Service (CLMS) High Resolution Vegetation Phenology and Productivity (HR-VPP) product family. The content is descriptive only and reflects indicator definitions as stated in official CLMS documentation.

Vegetation indicators (as defined by CLMS HR-VPP)

- **NDVI (Normalized Difference Vegetation Index)**
  - Spectral index derived from Sentinel-2 multispectral observations.
  - Provided within HR-VPP as a core vegetation condition indicator.
- **LAI (Leaf Area Index)**
  - Biophysical variable representing leaf area per unit ground surface.
  - Distributed as part of HR-VPP vegetation parameter products.
- **FAPAR (Fraction of Absorbed Photosynthetically Active Radiation)**
  - Indicator describing the fraction of incoming solar radiation absorbed by vegetation.
  - Included in HR-VPP biophysical parameter products.
- **PPI (Plant Phenology Index)**
  - Index used within HR-VPP to support phenological state characterization.
  - Derived from Sentinel-2 time series observations.
- **Vegetation Phenology & Productivity Parameters (VPP suite)**
  - Set of seasonal and annual parameters derived from vegetation index trajectories.
  - Includes phenology timing and productivity-related parameters as defined in CLMS documentation.

Source citations

- SAL_KB/citations/CLMS_HR-VPP_dataset.md
- SAL_KB/citations/CLMS_HR-VPP_Product_User_Manual.md

Notes (governance)

- Knowledge note derived exclusively from cited CLMS sources.
- Descriptive definitions only; no interpretation, evaluation, or application claims.
- No AI, modelling, or performance-related framing.