



Land Monitoring

Training Session on CLMS Bio-Geophysical Variables at European Level

Motivation – *Spain*



National Collaboration Programme

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CLMS National Collaboration Program – NCP

NCP

- EEA initiative to foster collaboration among countries in the use of CLMS products and in shaping their future → [CLMS NCP](#) 🔗
- Main goal: increase the uptake of CLMS products, validate their quality, and ensure they are fit for purpose in environmental monitoring and decision-making
- Engage responsible bodies through a National **Focal Point** (FP) to reach a broader national and local community
- NCP 2022–2027 is structured into mandatory and optional modules, adapted by each NFP according to national interests

Spain (phase I)

- Contribute to the evolution of CLMS products through Spanish needs and expertise
- Promote alignment between Spanish and CLMS datasets
- Demonstrate the relevance of Spanish reference data for CLMS
- Foster dissemination and uptake of CLMS products among Spanish stakeholders



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Why Bio-geophysical variables training?

- Spain is a particularly relevant case for Bio-Geophysical Variables because of its strong climatic and ecological contrasts
- The country includes 19.3 million hectares of forest land, 32.8% of land devoted to crops, and 28% of protected land.
- Bio-geophysical variables are relevant for agriculture, forests, grasslands and urban green monitoring.
- They support the analysis of drought impacts, vegetation stress, wildfire effects and seasonal dynamics.
- Pan-European consistency is especially valuable to complement national datasets and enable comparable assessments across regions.
- These products have high potential, but also require a good understanding of variables, temporal aggregation, quality flags and access tools.



Objectives of the training

- Clear introduction to the main bio-geophysical variables, their meaning and their potential applications
- Practical and technical guidance on product access and analysis workflows
- Better understanding of the temporal dimension of the products, including seasonal behaviour and interannual comparison
- Time for questions, discussion and conclusions

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Thank you!

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