

HORIZON EUROPE · CLUSTER 4 — SPACE

Partner search & consortium interest · EO for environmental decision-making

SPACE-03-31

SPACE-03-32

OUR VALUE TO A CONSORTIUM

We bring proven Earth-Observation use cases with real public-sector end users — operational data-processing workflows and validation datasets — enabling EO demonstration and building-block projects to prove real-world impact.

● TOPIC 03-32

Demonstration missions for EO & SatCom

Tip-and-cue RF+EO demonstrations and multi-source data fusion are close to our daily work. We have demonstrated Sentinel-2 change detection that flags events and prioritises them for inspection — mining control (SentiCheck), deforestation detection and illegal-construction identification. To a consortium we provide the use case with a concrete end user, the data-processing workflow and validation data.

● TOPIC 03-31

Digital enablers & building blocks

A narrower role on the EO-timeliness dimension: demonstrating that faster data delivery genuinely changes decision-making in practice. We have cases where this can be quantified — drawing on the same public-sector use cases — to validate that improved timeliness translates into real operational value.

TRACK RECORD — EO SERVICE DEVELOPMENTS WITH REAL END USERS

● SentiCheck

Sentinel satellite data-based mining-site monitoring (ESA Future-EO)

End user: State Environmental Service

● Illegal-construction detection

Sentinel + VHR satellite data-based cadastral parcel monitoring

End user: National & local construction authorities

● SatTrace

Sentinel satellite data-based deforestation risk assessment from rubber production (ESA Future-EO)

End user: Preferred by Nature / Sustainability certifiers

● Deforestation detection & forest health

Forest monitoring using VNIR spectral & thermal remote sensing from satellite and airborne platforms

End user: Local forest owners

ORGANISATION AT A GLANCE

Type: Private research & innovation institution

Focus: EO / remote sensing for environmental monitoring

Region: Latvia · Baltic Sea region

Approach: Rapid prototyping in close work with end users

WE ARE LOOKING FOR

Consortia preparing proposals for SPACE-03-31 / 03-32 that need an application & validation partner with real public-sector end users. *We also connect technology & data-product providers with end users in Latvia and the Baltic Sea region.*