

Romania's SUMAL 2.0 — Satellite-Based Timber Tracking to Curb Illegal Logging

PES & Nature-Based Solutions · Good practice · Romania

Quality score: 20/100

Evidence strength: Cautionary / limited

Summary

Romania's SUMAL 2.0 timber-tracking system, launched January 2021, layers Sentinel and Landsat satellite imagery, radar and GPS over every logging and transport permit. In six months it logged 2.2M transport authorisations and cut daily illegal shipments from ~2.5 to under 1.

Key dimensions

Dimension	Score
Water & soil — retention, infiltration, erosion control	0/3
Biodiversity — conservation / improvement, evidenced	0/3
Carbon — sequestration / storage, evidenced	1/3
Fire resilience — risk reduction, evidenced	0/3
Governance, certification & transferability	2/3

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-08-23

[Romanian Ministry of Environment, Waters and Forests](#) — accessed 2026-08-23

[Transylvania Now: Illegal logging has decreased in Romania since SUMAL 2.0](#) — accessed 2026-08-23

[Eurisy: Romania turns to satellites to crack down on illegal deforestation](#) — accessed 2026-08-23

[EU CAP Network: SUMAL 2.0 Digital Wood Tracking](#) — accessed 2026-08-23

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