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UNICORN aims to contribute to building resilience against climate risks by developing Earth Observation-powered tools for early warning, forecasting, and hazard monitoring, empowering businesses and communities, and boosting emergency management.

By providing a suite of services that can be integrated into current systems, and leveraging cutting-edge tech and Copernicus data, UNICORN empowers communities and authorities to proactively anticipate and prepare for natural hazards through improved forecasts of floods, wildfires, and volcanic eruptions.

UNICORN at the ESA Living Planet Symposium 2025 in Vienna - presentations PDF LINKS

Thanks to our partners at Fondazione LINKS – Leading Innovation & Knowledge for Society, we are pleased to share the presentations showcased for the **UNICORN project at the European Space Agency (ESA) Living Planet Symposium 2025 in Vienna**.

PDF LINKS:

1 - 🔥 Wildfires Meet Multitask Learning: Enhancing Burned Area Delineation With Land Cover Classification - Making burned area delineation more robust to geographical changes through multitask learning approaches.

[LINK](#)

2 - 🌊 A Multi-source Approach for Enhanced Flood Delineation Using Harmonised Satellite Data - Improving flood mapping accuracy by integrating both Sentinel-1 and Sentinel-2.

[LINK](#)

3 - 🔥 A Multi-Sensor Approach for Early Wildfire Detection Through Automated Hotspot Monitoring in Europe - Enabling faster wildfire detection across European landscapes, using a combination of multiple satellite sensors.

[LINK](#)

These contributions highlight the strategic role of satellite data, AI, and collaborative EU-funded research in strengthening crisis management and building climate resilience across Europe.

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