

What is CENTAUR

The Horizon Europe project CENTAUR aims to address societal challenges arising from climate change threats by developing and demonstrating new service components for the Copernicus Emergency Management Service (CEMS) and Copernicus Security Service – Support to EU External and Security Actions (CSS-SESA). The project focuses on:



Improving situational awareness and preparedness around climate change and its impact on complex emergencies and multi-dimensional security crises



Anticipating the occurrence and possible knock-on effects of crisis events, contributing to resilience and effective adaptation



Providing early warning systems which generates alerts when pre-established thresholds for crisis indicators are reached.



APPLICATION DOMAIN



Flood-related threats to population, assets and infrastructures in urban areas.



Water and food insecurity as precursors of political instability, conflict and forced displacement





OPERATIONAL BENEFITS



Copernicus EMS

Copernicus SESA

Conceptual Model

Data are generated continuously over large areas, aiming to provide wide-scale observatories of phenomena capable to send an alert corresponding to significant changes in the normal patterns of the indicators. As alerts are triggered, CENTAUR transitions to an event-driven model at regional level, using real-time measurements of key parameters along with newly acquired, higher-resolution data.

Consortium



















Contact Point













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