ARMAX NOVA | PARTNER SEARCH PROFILE

Secure Local AI for Disaster-Crisis Decision Support

HORIZON-CL3-2027-01-DRS-03 | Enhancing decision support system for disaster crises: leveraging emerging technologies for improved civil preparedness and crisis management

ARMAX NOVA seeks a bounded partner role as an R&D and systems-integration contributor. The proposed work is development and validation of a secure local/private AI component - not a finished product, autonomous decision-maker, coordinator role or core-platform lead.

ROLE	R&D and systems integration partner	MATURITY	AI NODE software PoC - current ceiling TRL3
CALL	Innovation Action; expected project end TRL7-8	POSITION	Partner contribution only; no coordinator/core lead claim

PROPOSED WORK-PACKAGE CONTRIBUTION

- **End-user and interface discovery -** translate validated authority/responder tasks into bounded data, interface, audit and human-review requirements.
- **Secure local/private AI integration -** ingest and correlate approved heterogeneous sources locally or at the edge, with source-neutral adapters and controlled data flows.
- **Auditable human-reviewed decision support -** preserve provenance, timestamps, confidence and limitations; present traceable evidence while the authorised human retains responsibility.
- **System integration and validation support -** connect the component to a consortium-owned mature DSS, communications, sensing and test stack; robot/drone inputs only where lawful, authorised and supplied by competent partners.

BOUNDED USE CASE AND VALIDATION PATH

Use case. Near-real-time fusion of approved ground, sensor, operational and contextual inputs to support situational awareness, early warning-to-action workflows and responder coordination during disaster crises.

Validation path. Start from the current TRL3 software PoC with a reproducible synthetic/non-personal or otherwise authorised baseline; integrate into a mature DSS/test environment; co-design and validate with public authorities, responders and a test centre within a consortium-level pathway to the call's required end-of-project TRL7-8.

PARTNERS SOUGHT

- **Consortium leadership -** an experienced Horizon coordinator and strong research-performing organisation able to own architecture, ethics/security and the TRL7-8 integration path.
- **Mandatory practitioner beneficiaries -** at least two national disaster-risk/crisis-communication authorities and two local/regional disaster-response authorities, collectively from at least three eligible countries.
- **Technology and validation -** mature crisis DSS/platform owners, test centres and complementary sensing, communications, data-governance, security and impact partners.

PROSPECTIVE BENEFICIARY. ARMAX NOVA is the R&D and systems-integration project identity, not a legal entity. A single Croatian or Bulgarian EU-established legal entity would be selected as the prospective beneficiary only after call-specific documentary validation, including PIC, ownership/control, financial and operational capacity, and IP/data rights. This profile does not represent an applicant or consortium commitment.

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