

SLAPIS Sahel

Système Locale d'Alerte Précoce pour les Inondations au Sahel

The increase in regularity and intensity of hydrometeorological hazards has prompted the governments of the Sahel region to ask for the support of the international community to implement early warning systems able to help vulnerable fluvial communities to manage the risk of floods.

SLAPIS Sahel is a training and research project aiming to reduce the hydrometeorological risk and to support climate change adaptation towards a sustainable development.

The main purpose of the project is to strengthen the skills and the competence of national hydrometeorological services of Burkina Faso and Niger by solidifying the cross-border cooperation and reinforcing the collaboration among different administrative levels in each country. As a result, SLAPIS seeks to increase the resilience to floods and other extreme hydrometeorological phenomena.

The project aims to achieve three results:

- i) Strengthen the national institutions of Niger and Burkina Faso responsible for the hydrometeorological monitoring in terms of expertise and tools for monitoring, forecast and analysis, and the consolidation of cross-border cooperation;
- ii) Creating a cross-border early warning system for floods;
- iii) Improving the knowledge regarding flood phenomena and how they are managed at all levels.

PROJECT DURATION

From 01/04/2023 to 31/07/2026
39 months

PARTENRS

- PoliTo
- Istituto per la Bioeconomia del Consiglio Nazionale delle Ricerche (IBE-CNR)
- Direction de la Météorologie Nationale (DMN)
- Direction de l'Hydrologie (DH) - Niger
- Agence Nationale de la Météorologie (ANAM)
- Direction des Etudes et de l'Information sur l'Eau (DEIE) - Burkina Faso.

FUNDING INSTRUMENT

Agreement between the Italian Agency for Development Cooperation (AICS) and Politecnico di Torino. The project is co-financed by AICS (70%) and by the rest of the partners (30%).

BUDGET

Politecnico: euro 843.874,00 (funding € 591.235,0)
- DIST → € 367.963, funding € 257.802;
- DIATI → € 475.911, funding € 333.433.

POLITO and DIATI role:

Polito is partner of the project – DIST project leader, DIATI partner

Scientific Supervisor for DIATI:
Prof. Marco Piras