



**“Strengthening local resilience to food insecurity, based on successful livelihood strategies, to develop a national early warning system for vulnerable rural families in the High Andes zone and in Beni”**

**Project code:** OSRO/BOL/501/ITA

**Donor:** Italy

**Contribution:** 1 219 512 USD

**Implementation:** 15/01/2015–31/07/2016

**Target areas:** Departments of Beni, Chuquisaca, Cochabamba, La Paz, Oruro, Potosí and Tarija



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**Objective:** To strengthen the monitoring system and the integration of the national disaster early warning system (NDEWS) at all three levels of government by developing institutional and resilience capacities, including at the communal level, through the inclusion of risk management in planning development.

**Key partners:** The Vice-Ministry of Civil Defense (*Viceministerio de Defensa Civil*) and the Ministry of Rural Development and Land (*Ministerio de Desarrollo Rural y Tierras [MDRyT]*).

**Beneficiaries reached:** 490 communities (59 000 small-scale farming families).

- Activities implemented:**
- Extended the DEWETRA platform for flood risk assessment using a hydrological model.
  - Provided training on the management of tools for the mitigation of flood risks, with special attention in operational hydrology.
  - Developed communication protocols and disseminated alerts.
  - Integrated the productive agro-environmental monitoring centre of the MDRyT to NDEWS.
  - Conducted workshops on early warning systems at the departmental and municipal levels, benefiting 110 technical officers.
  - Set up and integrated four meteorological and hydrological stations to the *Servicio Nacional de Meteorología e Hidrología* monitoring system.
  - Set up 16 radio transmitters and integrated them to NDEWS.
  - Set up seven seed banks and ten forage production and storage centres.
  - Developed 15 proposals for risk reduction at the community level in coordination with the municipal and local authorities.
  - Conducted workshops on the identification and systematization of traditional good practices and natural indicators.
  - Developed training and dissemination material.
  - Built four hills in cattle ranches highly vulnerable to floods.
  - Built 51 solar tents.
  - Conducted workshops for training on vegetable production techniques.

- Results:**
- Strengthened prevention and disaster risk reduction capacities of multiple stakeholders that have an impact on agricultural and productive development.
  - Mitigated vulnerability to food insecurity.
  - Improved institutional and community resilience.