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Niger Basin Authority (NBA) : Improving flood forecasting and early warning systems

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Date de mise en ligne : mardi 18 mars 2014

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Improving flood forecasting and early warning systems The German International Cooperation Agency for Development (GIZ) is funding the project for supporting the NBA in the improvement of flood forecasting and early warning systems.

The Deltares-IOWater-UNESCO IHE Group is responsible for implementing the project, whose overall aim is to reduce the vulnerability to flooding for the people living along the Niger River.

Activities, that are part of this project implementation, are :

- Mapping hazards and flood risks in the areas concerned ;
- Developing a flood forecasting model that takes into account the meteorological and hydrological aspects ;
- Improving the management of the Niger HYCOS project ;
- Supporting the NBA in the improvement and development of an early warning system.

Several joint missions were thus carried out at NBA head office in Niamey, in order to study the NBA current flood forecasting system (Forecasting Computer System - SIP) and identify opportunities for development. The first maps and forecasting tests will be made in 2015.