The Technical Directorate ensures the implementation and monitoring of studies and projects within the framework of a planned process

This directorate is responsible for the implementation of the Authority's technical activities o (planning and monitoring of projects, studies, ..). It is headed by a Technical Director and comprises of two divisions:

A Planning and Studies Division which is in charge of conducting:

- -the planning of the Sustainable Development Action Plan (SDAP) of the Basin and planning of actions ensuring the coherence and complementarity of development projects and regional development;
- -the studies prior to the development of new projects whose execution may be subsequently assigned to the NBA or subcontracted to external consultants;
- -the use of hydraulic modeling tools (simulation model of the basin's flows) and economic (optimization and profit sharing) as a tool to assist policy making;
- -the harmonization studies of development policies and laws of the Basin.

The Operations Division is in charge of:

- -facilitating the implementation of past agreements with the NBA;
- -monitoring "external" projects (ADB, GEF) and directly managing projects where the NBA is providing counterpart staff (Niger HYCOS);
- -monitoring and facilitating the activities of National Focal Structures;
- -leading and facilitating the involvement of civil society.