

CREATION OF A NATIONAL MAP Benin



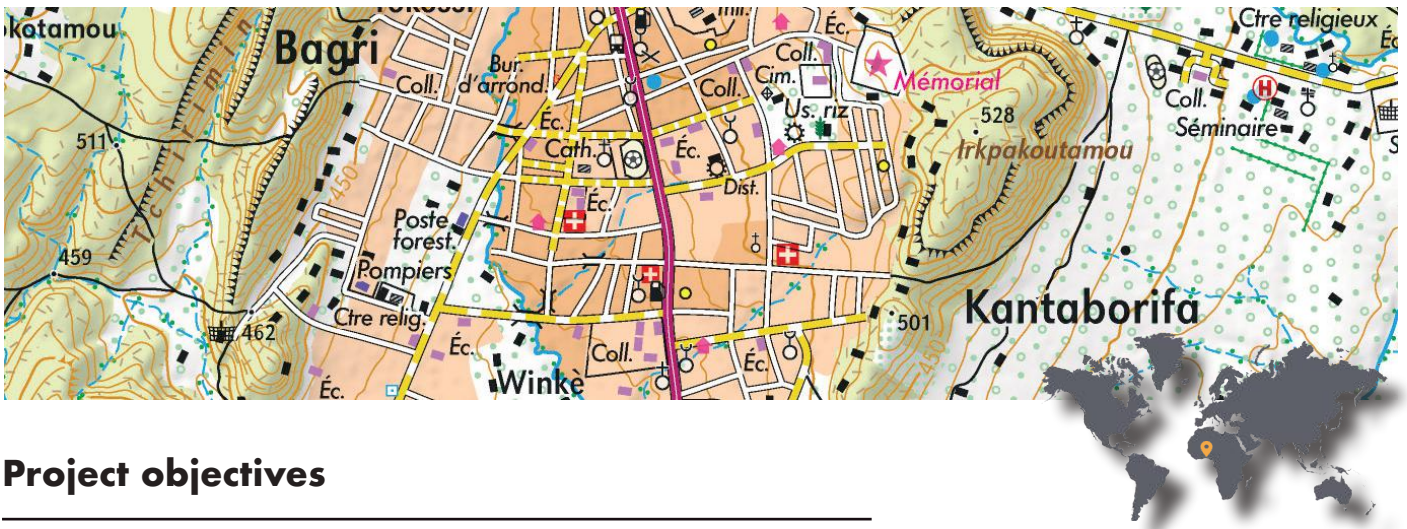
PROJECT IDENTITY SHEET

Period	4 years 11/2014 - 06/2018
Financing	European Union - 95% UNDP - 5%
Amount	3.9 M EUR
Key words	Aerial survey DTM Orthophoto Topographic map Baseline mapping Database Geoportal Training Skills transfer Technical support

IGN FI was awarded the European Union tender in October 2014 for a project to create a master digital map of the entire territory of Benin at the scale 1:50,000. Besides a few exceptions, the country's maps had not been updated since it became independent. This project has been planned over a three-year period and its aim is to provide the information necessary to ensure the country's sustainable development. All project work is carried out by local teams with a strong accent on skills transfer managed by IGN FI experts.

Creation of the country's base mapping was part of a project called PAPDFGC (project aimed to support the preservation and development of gallery forests and production of the digital base map) which began on November 7th 2013. This project was co-financed by the European Union as part of the AMCC (Global Alliance against Climatic Change and the United Nations) programme for development covering the period 2012-2018. It also received support from the towns benefitting from project work and the government of Benin.





Project objectives

- A national coverage in aerial photographs
- A national geographic database
- A detailed digital terrain model (DTM)
- New baseline topographic mapping
- A national coverage in high resolution ortho-photos

Project's components and key figures



Benin
National territory: **112,000 sq.km**



120,000 sq.km photographed and mapped out
15,000 images acquired (down to a resolution better than 50 cm)



Production of a DTM
(Grid 1.5 m x 1.5 m - Altimetric accuracy: 1.5 m - Planimetric accuracy: 0.75 m)
Topographic database
(with more than 40,000 toponyms, 23,000 urban areas, 8,500 schools, 1,550 health structures, etc)
Geoportail: several Tb of data that can be consulted online
400 copies printed in offset colour, both flat and folded maps



Over **60 actors** involved



4 production workshops on site
(Image and DTM workshop, 3D stereo-plotting workshop, database workshop including field completion, mapping workshop)
Around **50 local operators** trained
Over **20 missions** made by experts, each lasting 2 to 3 weeks



About IGN FI

A company recognized for its skills in geographical information and its innovative approach to managing and using geospatial data, IGN FI is entirely dedicated to export projects. Over and above its technical expertise, IGN FI conveys the values of transferring knowledge and skills wherever the company works. The company has carried out numerous cartographic projects in Senegal, Burkina Faso, Mali, Luxembourg...

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