Effective Partnerships

Take down barriers between geospatial information users
Plan

• About the agency
• Building the cooperation framework
• Collaborative projects
About the agency

Genesis

1962
Bureau d’Aménagement des Terroirs et villages
*(Spatial Planning Office)*

1967
Service de l’Aménagement du Territoire
*(Spatial planning service)*

1972
Institut Géographique National
*(National Geographical Institute (french WA))*

1989
Direction des Travaux Géographiques et Cartographiques
*(National mapping Direction)*

2009
Bureau d’Aménagement des Terroirs et villages
*(Spatial Planning Office)*

Direction de l’Aménagement du Territoire
*(Spatial planning direction)*

Service Géographique National
*(National Geographical Service)*

anat
About the agency
Overall duties

• To promote and implement government policy in terms of spatial planning, geographic and cartographic operations and improvement of the living conditions of the population;

• To implement all initiatives for the purpose of programming economic activities;

• To ensure the consistency of public infrastructure and facilities to better meet the needs of populations;

• To ensure territorial development of the country.
About the agency
Agency chart

Technical Adviser Board

General Direction

Marketing and communication Unit
Administrative and Financial Direction
Spatial Planning Direction
Mapping Direction
Territorial Development Direction

Supervisory Board

Remote sensing Division
Photogrammetry Division
Mapping and GIS Division
Survey Division
About the agency
Mapping direction

• To ensure the collection, control and preservation of territorial information;

• To carry out the thematic mapping of Senegal;

• To produce and maintain basic geographic datasets nationwide (fundamental datasets);

• To monitor and control the geodetic equipment;

• To ensure the Government’s representation in sub-regional and regional structures specialized in cartographic duties;

• To study and execute the demarcation of boundaries;

• hold the Secretariat of the inter-institutional Coordination and Coordination Group (GICC) responsible for steering the Senegal National Geomatics Plan (PNG).
Building the cooperation framework
Sub-regional cooperation and interoperability initiative inside ECOWAS

8 countries
Bénin
Burkina Faso
Côte d'Ivoire
Guinée-Bissau
Mali
Niger
Sénégal
Togo
Building the cooperation framework

18 août 2008.
Memorandum of agreement

PNG
Plan National de Géomatique
National Geomatics Plan

Groupe Interinstitutionnel de Concertation
et de Coordination (GICC)

Chairman
adie

Executive Secretariat
anat

Governance and Institutions
Financial Partnerships
The PNG aims to:

• Build partnership;

• Assess the needs in terms of capacities and equipment;

• Bring data producers and users to get standards and data policies;

• Promote open data;

• Facilitate the creation of an effective and functional governance framework.
Collaborative projects
PNG & GICC

**BaseGéo**

is an online geospatial database. It contains

- Ortho-images
- Topographic standardized vector data
- Digital model
- Web Services (WMTS, WMS, WFS)
Collaborative projects
PNG & GICC

+3000 metadata
according to ISO 19115 standard
Collaborative projects
PROCASEF

Municipal Land Information System

Goals: Security of land tenure

- To ensure land ownership issuing with transparency
- To ensure a decentralised management of land rights
- To allow to cross multiple data sources such as fundamental datasets (roads and their rights, landuse, water bodies...), thematic data (occupation plan, projected amenities...), imagery services and others
- Take into account of all the stakeholders and build a regulated and innovative environment according to the UN-GGIM/IGIF (PNG update...
Collaborative projects
- 1/200 000 Nationwide update ongoing...
- 1/50 000

About mapping
- HiRes imagery acquisition (nationwide)
- Modernize the geodetic network
- Strengthen the Geospatital Data Infrastructure

Map index

<table>
<thead>
<tr>
<th>Project</th>
<th>Coverage</th>
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</thead>
<tbody>
<tr>
<td>2013 JICA project</td>
<td>15%</td>
</tr>
<tr>
<td>Since 2018 Western part</td>
<td>19%</td>
</tr>
<tr>
<td>About to start PROCASEF</td>
<td>45%</td>
</tr>
</tbody>
</table>

79%
Collaborative projects

• To deliver Country Action Plan according to the IGIF;

• Based on the PROCASEF case studies to strengthen the geodetic reference frame with CORS network for a better coverage and accurate positioning;
Collaborative projects
PROMOVILLES

Objectives:

• Create reliable and high precision geospatial information for selected cities

• Strengthen municipalities on managing and planning using geospatial information
Collaborative projects

IGS on the top of the roof ANAT

Antenna IGS on the top of the roof ANAT

IGS station - Tide gauge: DATG 2017 (in partnership with SONEL et IGN)

IGS Station: DAKR 2012 (in partnership with ACDI/RNCan/Canada)

IGN

Canadá

ACDI/RNCan/Canada

solar panel
Collaborative projects
Human settlements and Toponyms

Working with the Public safety Ministry on human settlement and their level to deliver an updated database with names and population information nationwide.

Even the smaller hamlets are included
Collaborative projects
Land cover mapping for:
- 1990
- 2000
- 2010
- 2015
- 2020

National plan for land planning and development

National landcover count between 2010 et 2015. The update frequency is 5 years
Thank you