

Enhancing geospatial information management to advance national priorities and global agendas

Successes and challenges in the implementation of the United Nations Integrated Geospatial Information Framework



UN-GGIM Africa

UNITED NATIONS COMMITTEE OF EXPERTS ON
GLOBAL GEOSPATIAL INFORMATION MANAGEMENT



Workshop on United Nations Integrated Geospatial Information Framework (UN-IGIF) ahead of the Eleventh Session of the United Nations Regional Committee on Global Geospatial Information Management for the Africa (UN-GGIM Africa)

MOZAMBIQUE



**AGÊNCIA NACIONAL DE
DESENVOLVIMENTO
GEO-ESPACIAL ADE, IP**



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Eleventh Session of the United Nations Regional Committee on Global Geospatial Information Management for the Africa
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Context and Background

Geo-spatial Information Management in Moz.

The Moz. Government invested resources in development of NSDI (the technologic and multi-sector shared GIS data base) and created in 2020 ADE, IP the National Agency responsible for NSDI operational management & promotion of GI use in decision making process

Data base

Non-spatial Data

ID	Nome	Endereço	Telefone	Estado
1	João Silva	Rua das Flores, 123	2132 4567	SP
2	Maria Costa	Av. Paulista, 456	11 3456 7890	SP
3	Carlos Mendes	Rua do Comércio, 789	11 9876 5432	SP
4	Ana Pereira	Av. Brasil, 101	11 2345 6789	SP
5	Roberto Lima	Rua da Liberdade, 234	11 3456 7890	SP
6	Luciana Alves	Av. São João, 567	11 4567 8901	SP
7	Diego Santos	Rua da República, 890	11 5678 9012	SP
8	Patricia Oliveira	Av. Rio Branco, 123	11 6789 0123	SP
9	Guilherme Pereira	Rua da Constituição, 456	11 7890 1234	SP
10	Isabela Gomes	Av. Afonso Pena, 789	11 8901 2345	SP

Spatial Data



Satellite Images, Drones, Aerial Photos



MozGIS Platform - <https://www.mozgis.gov.mz>

Rede Nacional SIG
Mapping and Analysis Platform

017

aprovado

Pontos de acesso aos serviços financeiros

Portal Público

Vulnerabilidade ao COVID-19

Public Access

- Data and interactive maps visualization
- Download public data

Restricted Access

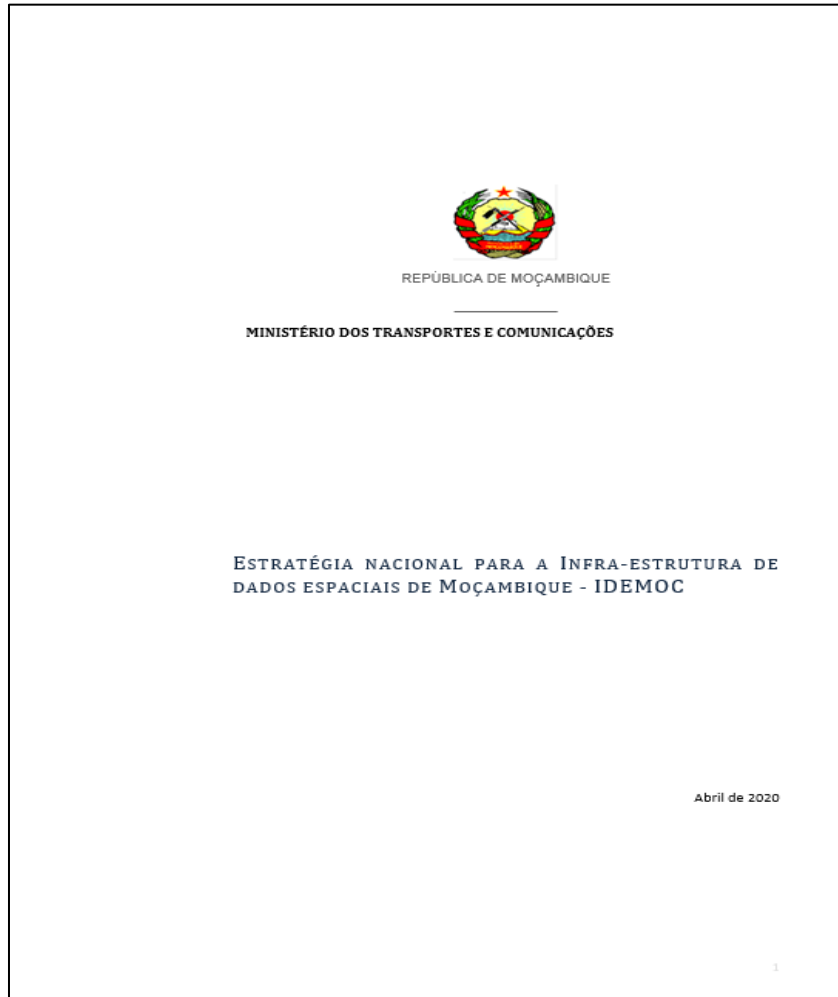
- Apps Development
- Spatial Analysis



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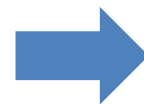
Geo-spatial Information Management



National Strategy for Spatial Data Infrastructure and Action Plan
1st Version 2020

Developed before the Approval of Regulatory Framework for
Establishment of NSDI - IDEMOC (Law/Decree) of 2023

Initiated CAP development following UN Framework with SDG
Alliance support



Need to be revised and updated to be more inclusive to
address gaps, challenges, needs and priorities of all
stakeholders and get the highest decision maker's ownership



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Actual Stage of Action Plan Development

Where are we?

- Requested and obtained support from UNGGKIC for revision/elaboration of IDEMOC Strategy and CAP
- IDEMOC operationalization process is under institutional and technical consolidation stage, with fwg first actions:
 - Technical Committee with Focal Points nominated by member Institutions/Organizations
 - Held the 1st and 2nd Sessions Technical Committee – July and Oct'25
 - The Chair of TC were appointed and approved the Initial Plan of de Activities – up to Dec' 25 (To get the Strategy and CAP)
 - Undertook an induction session to TC members on access and use of NSDI - GIS Data Portal
 - National Council headed by PM were scheduled for 17 Oct. (cancelled – waiting for reschedule)



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Where are you today as a country on your capacities and capabilities in geospatial information management?

- We undertaken an update of evaluation of NSDI – IDEMOC CT members with UNGGKIC support
- Through an online survey – 24 members covered and 20 responded
- The questionnaire covered all 9 Strategic Pathways of UN-IGIF plus individual organizations strategies and Cases of use of GI



Where are you today as a country on your capacities and capabilities in geospatial information management?

The results of this evaluation revealed that very few have capacities and capabilities in GI management:

re: cases of use the GI was recognized as important, although not actually applied; the strategy, governance, policy and legal were also recognized as crucial by the majority but not yet under implementation in their org's – some have these developed and processes but not the case of majority...the same is related to capacity & education, technologies, financial and so on...

The reformulated NDSI Strategy and CAP under elaboration to address these gaps



Where does your country want to be in the next 5 years?

- Establish a fully operational IDEMOC governance model that ensures cross-sector coordination, accountability, and institutional efficiency
- Adopt and enforce a comprehensive national geospatial policy and legal framework to regulate data production, access, sharing, privacy, and security
- Secure stable and diversified funding to ensure IDEMOC's sustainability and institutional autonomy
- Build a national geo-spatial data ecosystem with standardized, accessible, and authoritative datasets supporting evidence-based policy
- Build national human capital for sustainable geo-spatial development through training, education, and professionalization



Where does your country want to be in the next 5 years?

- Ensure full adoption of geospatial data and metadata standards to enhance data quality and trust
- Deploy interoperable, secure, and scalable geospatial technologies to support data management, sharing, and analysis nationwide
- Foster a culture of geospatial innovation, entrepreneurship, and applied research to support national development
- Strengthen partnerships and cooperation at national and international levels to build capacity, share knowledge, and mobilize resources
- Raise national awareness of geospatial information's value and ensure broad stakeholder participation and ownership of IDEMOC



Challenges in the implementation of the UN-IGIF

- To have a massive stakeholder's involvement is still a big challenge (not all CT members participate or give feedback – strategic framework and Plan)
- High level meeting did not happen yet (CN headed by PM – although it has been nominated the permanent members...still progress in ownership and championship)



Successes in the implementation of the UN-IGIF

- Can't be measured yet...we are in process

