



AGÊNCIA NACIONAL DE DESENVOLVIMENTO GEO-ESPACIAL ADE, IP

ABOUT MOZAMBIQUE NATIONAL SPATIAL DATA INFRASTRUCTURE

Mission & Vision

Guiding Principles

ADE Roadmap to the NSDI

UN-GGIM 9 Strategic Pathways

ADE Experience

Colaborative Actions – an exemple

MISSION

Ensure the production, use and dissemination of all quality and up-to-date spatial information in order to meet the needs of its users and contribute to decision-making processes.

VISION

Be the preferred point of access to and sharing of geo-referenced information in Mozambique, based on best international practices.

Guiding Principles



Integration e Efficient Management of GI

Organizational Efficiency & Effectiveness

Inclusion

Participation

Multidisciplinarity and multisectoriality



Quality, Access & Protection of GI

Reliability

Quality Control

Accessibility

Integration & Interoperability

Security e Privacy

Articulation

Public Domain

Mandatory Availability



Collaboration & Institutional Capacity

Institutional Capacity

Leadership

Partnership & Collaboration



Strengthening geospatial information management will assist countries in bridging the geospatial digital divide, secure socio-economic prosperity, and leave no one behind.

ADE
Experience
for Moz NSDI

Step-by-Step Process to Moz NSDI

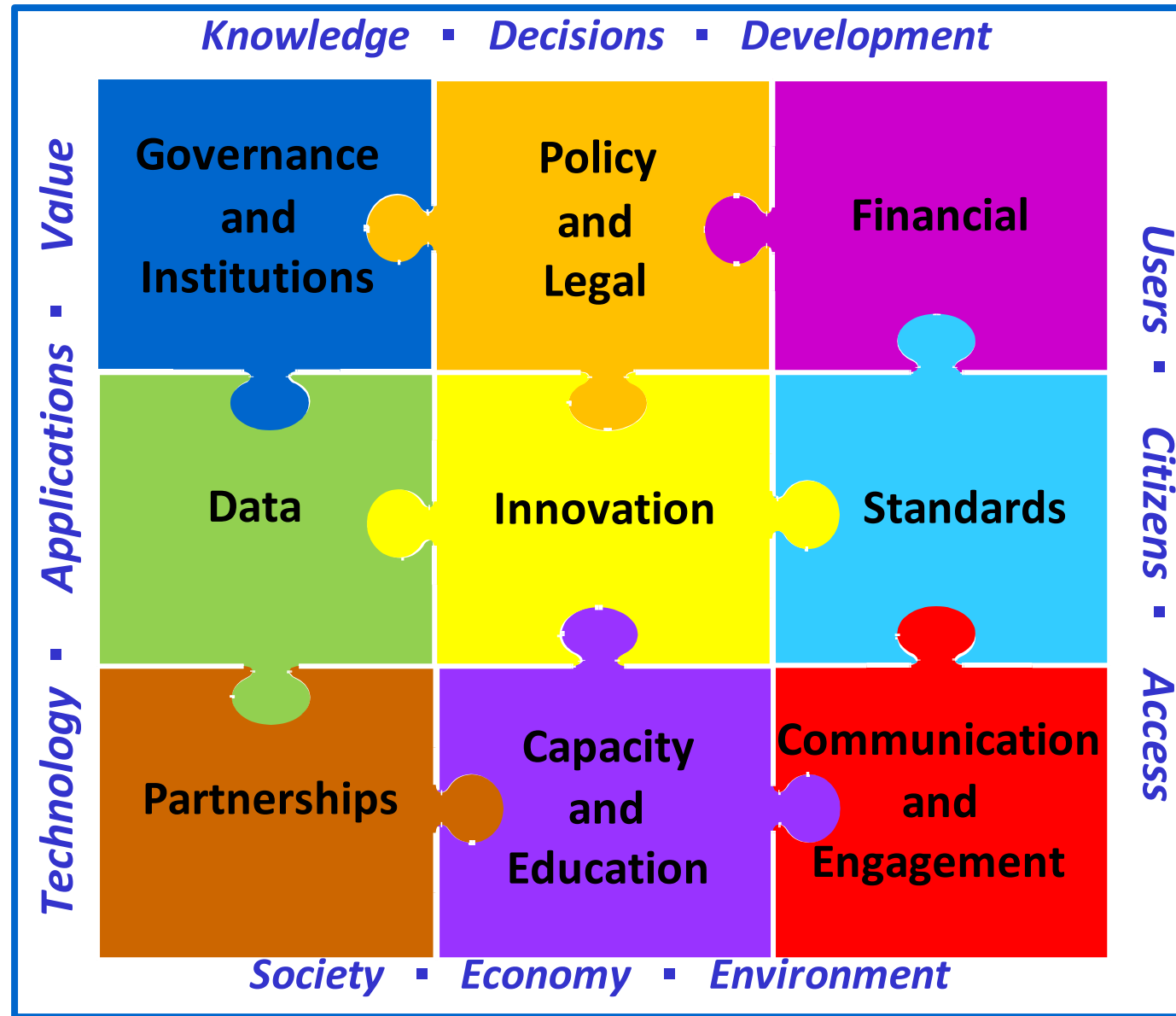
- Creation of a national geospatial database, using ESRI Enterprise technology;
- Launch of the National GIS Platform from Country President in 2016;
- Build capacity on defined priority entities, on the use of geospatial technologies;
- Establishment of Memorandum of Understanding with the selected government ministries and agencies;
- Formulation of the National Strategy for the implementation of the NSDI;
- Formulation of the National Policy for Open Spatial Data;
- Draft proposal of Decree-Law that shall lead the parliament to approve the creation of a spatial data infrastructure;
- Creation of a National Agency for Geospatial Development.

9 Strategic Pathways

Governance →

Technology →

People →



Anchored by 9 Strategic Pathways, the Framework is a mechanism for articulating and demonstrating national leadership in geospatial information, and the capacity to take positive steps.



UN-GGIM

United Nations Secretariat
Global Geospatial Information Management

Positioning geospatial information to address global challenges

ggim.un.org

9 Strategic Pathways

Governance

Governance and Institutions

- Proposed an organizational model for the NSDI
- Proposed the establishment of a National Council at the highest level, to define orientations, policies & strategic principles.
- Proposed the establishment of a Technical Committee to coordinate activities related to geospatial information.
- Proposed ADE as the Secretariate for the National Council, to monitor the implementation of the established guidance & rules.

Policy and Legal

- Proposed the creation of a decree-law that approves the creation of a NSDI, establishes the principles and rules for its implementation & monitoring.
- Proposed a National Strategy and & a National Open Data Policy.

Financial

- Developed a business plan to identified market opportunities.
- Identified the cost and period for the implementation of NSDI including source of financing.

9 Strategic Pathways Technology

Data

- Developed the NSDI based on ESRI technology, called National GIS Platform, launched by the President of Moz in 2016.
- Established MoU with data producers institutions for sharing of information and system integration (interoperability).

Innovation

- Created Hack4MOZ, to bring together enthusiasts in spatial analysis to showcase their skills & develop new projects.
- Promote national capacity and stakeholder engagement.
- Leverage the technology solutions industry to build solutions for Moz by Mozambicans.

Standards

- Contracted a consultancy company to recommend best practices for data producing, including the creation of metadata according to ISO norms.
- Engaged with CENACARTA the National Cartography Entity, to lead the process and INOQ for certifications.

9 Strategic Pathways

People

Partnerships

- Established partnership for data and infrastructure (servers and software) sharing with the National Institute of Communication
- Established partnership with Maputo Metropolitan Agency, to conduct mobility studies & analysis.

Capacity and Education

- Established a MoU with the main and Public University, to support them through a recognized University, in the improvement of their Masters & PHD curriculum, to include spatial development planning, as well as to include short term courses in spatial development planning & analysis.

Communication and Engagement

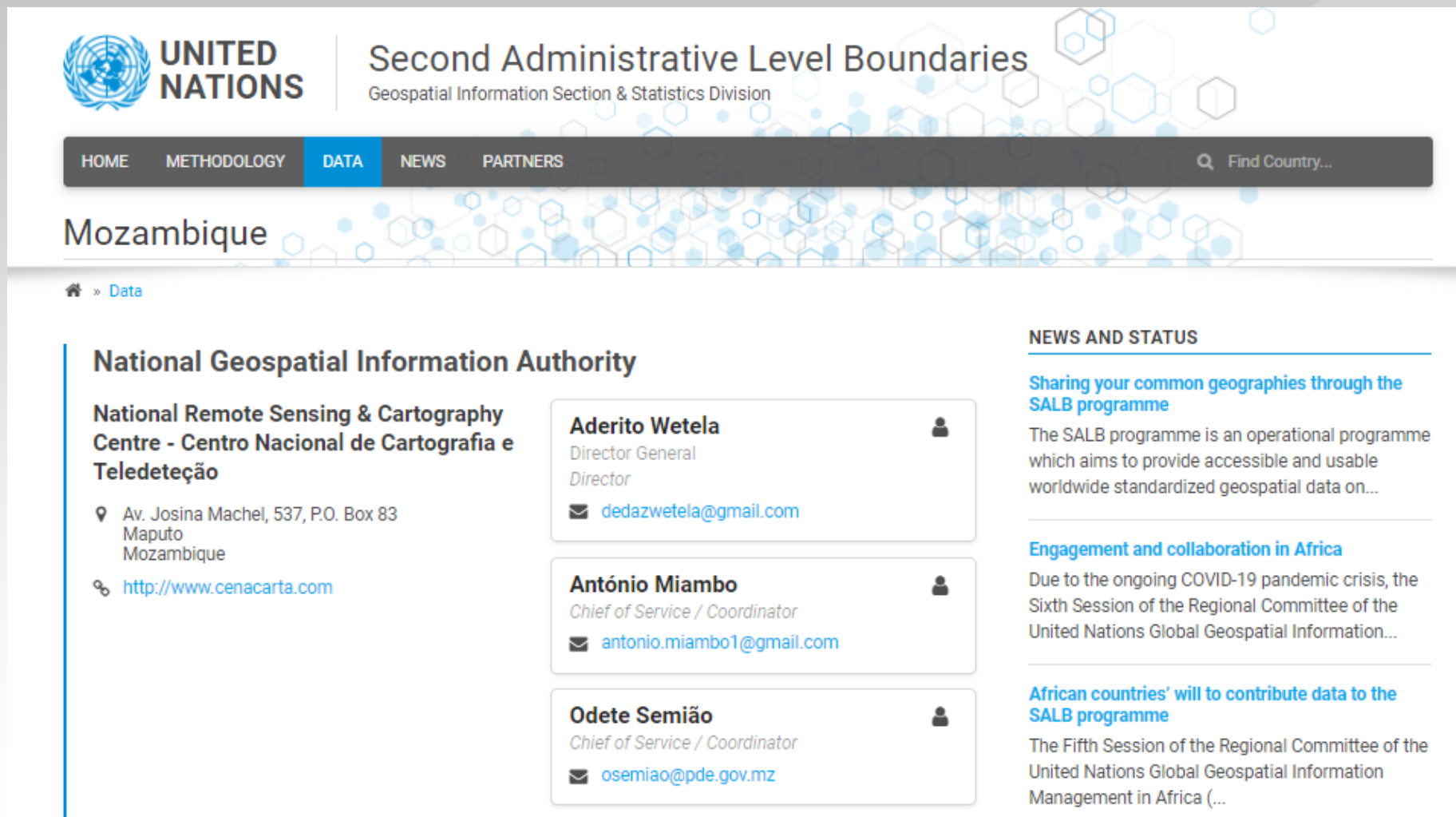
- Developed a communication plan for the NSDI.
- Developed a stakeholders engagement plan to advocate integration of their database and use of spatial planning methodology on their decision making & monitoring processes.

Second Administrative Level Boundaries

Mozambique

Collaborative
Action for
SALB Program

The administrative units of Mozambique



UNITED NATIONS
Geospatial Information Section & Statistics Division

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National Geospatial Information Authority

**National Remote Sensing & Cartography
Centre - Centro Nacional de Cartografia e
Teledeteção**

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NEWS AND STATUS

**Sharing your common geographies through the
SALB programme**

The SALB programme is an operational programme which aims to provide accessible and usable worldwide standardized geospatial data on...

Engagement and collaboration in Africa

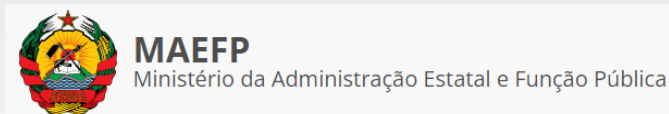
Due to the ongoing COVID-19 pandemic crisis, the Sixth Session of the Regional Committee of the United Nations Global Geospatial Information...

**African countries' will to contribute data to the
SALB programme**

The Fifth Session of the Regional Committee of the United Nations Global Geospatial Information Management in Africa (...)

[More...](#)

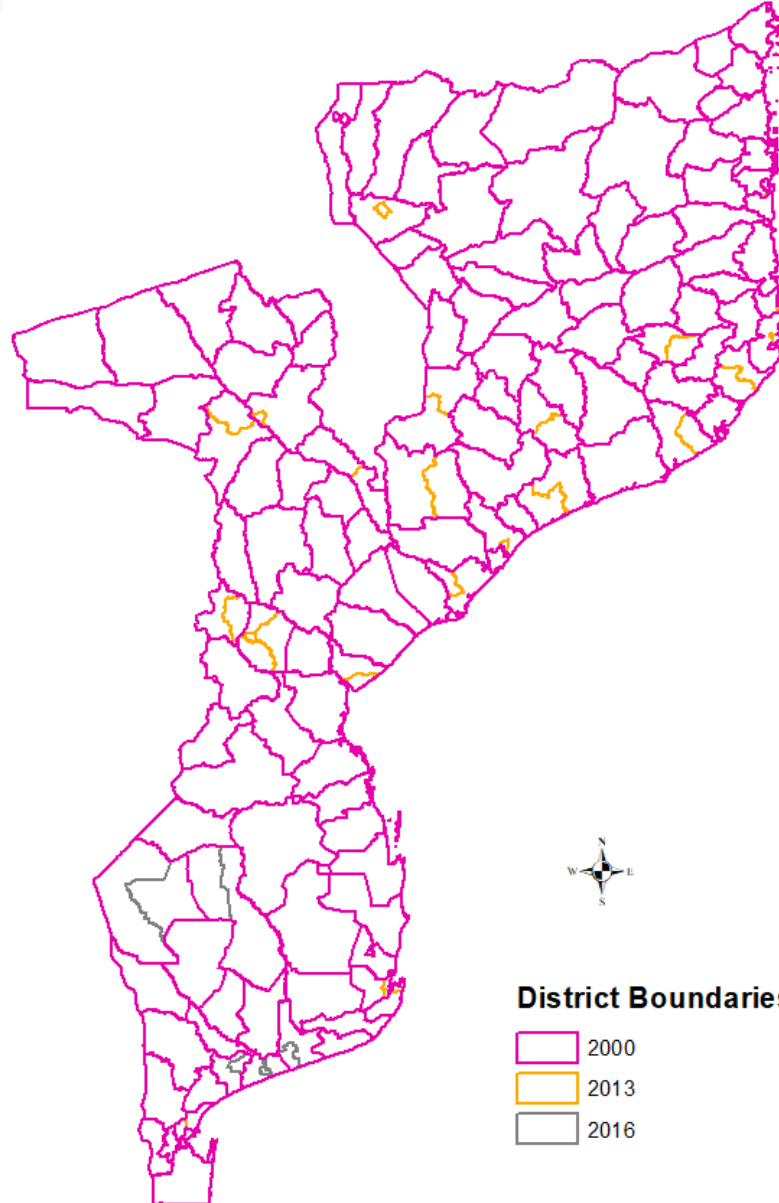
Involved Entities



Results

Period	2000-01-01 to 2013-12-17		2013-12-18 to 2016-05-05		2016-05-06 to last update	
Unit type	Distritos/Cidade (districts/city)					
Unit names and codes	ADM2NM	ADM2CD	ADM2NM	ADM2CD	ADM2NM	ADM2CD
Number of units	128 Units		151 Units		154 Units	

Spatio-Temporal Variation



Data



Historic Data Table
(40.64 KB)

Dataset

2016/05/06 to last update



Validated
(5.38 MB)

2013/12/18 to 2016/05/05



Validated
(5.31 MB)

2000/01/01 to 2013/12/17



Validated
(5.02 MB)



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THANK YOU VERY MUCH
FOR YOUR ATTENTION