Hosted by:

Organized by:

Africa-BB-Maps National Event

National broadband mapping systems in Botswana

12—14 August 2025

Gaborone, Botswana

africabbmaps.itu.int/bw-kickoff/

Africa Broadband Maps

Registration

National Broadband Mapping Systems in Botswana
12—14 August 2025
Gaborone, Botswana

Opening Ceremony

Opening Ceremony

Mr Martin Mokgware

BOCRA Chief Executive

Dr. Cosmas Zavazava

Director, ITU Telecommunication Development Bureau

Ms Laura Virgili

Programme Officer, European Delegation in Botswana, European Union

Opening Ceremony

Global Gateway

BOCRA

ITU

Official Group Photo

Program of Day 1

8:30 – 9:00	REGISTRATION AND WELCOME COFFEE
9:00 – 9:30	Opening Ceremony
9:30 – 9:45	Official Group photo
9:45 – 10:00	Keynote: The Role of Broadband Mapping in National Digital Development Plans
10:00 – 10:30	SESSION 1a: Context and Current State – Intervention by BOCRA
10:30 - 11:00	Coffee Break
11:00- 12:00	SESSION 1b: Context and Current State – Intervention by Governmental & Public sector
12:00 – 13:00	LUNCH BREAK
13:00 – 14:00	SESSION 1c: Context and Current State – Intervention by the Private Sector
14:00 – 14:15	Coffee Break
14:15 – 15:15	SESSION 2: Africa-BB-Maps in Botswana: Objectives, Technical Framework, Timeline
15:15 – 16:45	Recap of Day 1 and Objectives of Day 2

KEYNOTE: The Role of Broadband Mapping in National Digital Development Plans

Moderation: Master of Ceremonies

Ms Halima Letamo

Area Representative for Southern Africa, ITU

Dr Emmanuel Manasseh

ITU Regional Director for Africa, ITU

Session 1a: context and Current State – Intervention by BOCRA

Maitseo Ratladi

Moderator

Tebogo Ketshabile

Botswana Communication Regulatory Authority
BOCRA

Name Surname

BOCRA

Coffee Break

Session 1b: context and Current State – Intervention by Governmental & Public Sector

Edward Mmusi

Moderator

Representative

Department ICT and Media Services

Representative

Smart Bots

Representative

Department of Digital Communication and Business (DCIB)

Q&A and Discussion for Session 1b (1)

Session 1b: context and Current State – Intervention by Governmental & Public Sector

Representative

Department of Maps and Survey

Representative

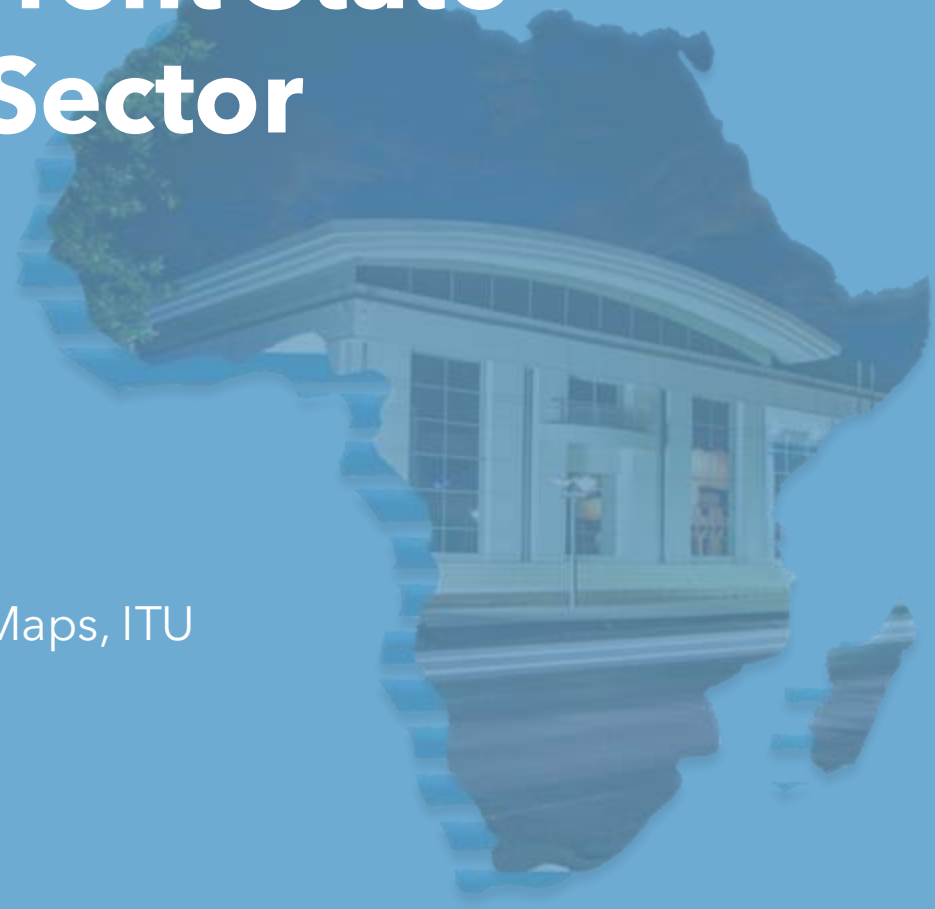
Statistics Botswana

Q&A and Discussion for Session 1b (2)

Lunch Break

12:00 - 13:00

Session 1c: Context and Current State–Intervention by the Private Sector



Moderation: Mr. Dana Jon Kamason, Project Manager, Africa-BB-Maps, ITU

Session 1c: context and Current State – Intervention by the Private Sector

Dana Jon Kamason
Moderator

Representative
BTCL

Representative
Orange

Representative
Mascom

Q&A and Discussion for Session 1c (1)

Session 1c: context and Current State – Intervention by the Private Sector

Dana Jon Kamason

Moderator

Representative

BoFiNet

Representative

Botswana Power Corporation

Representative

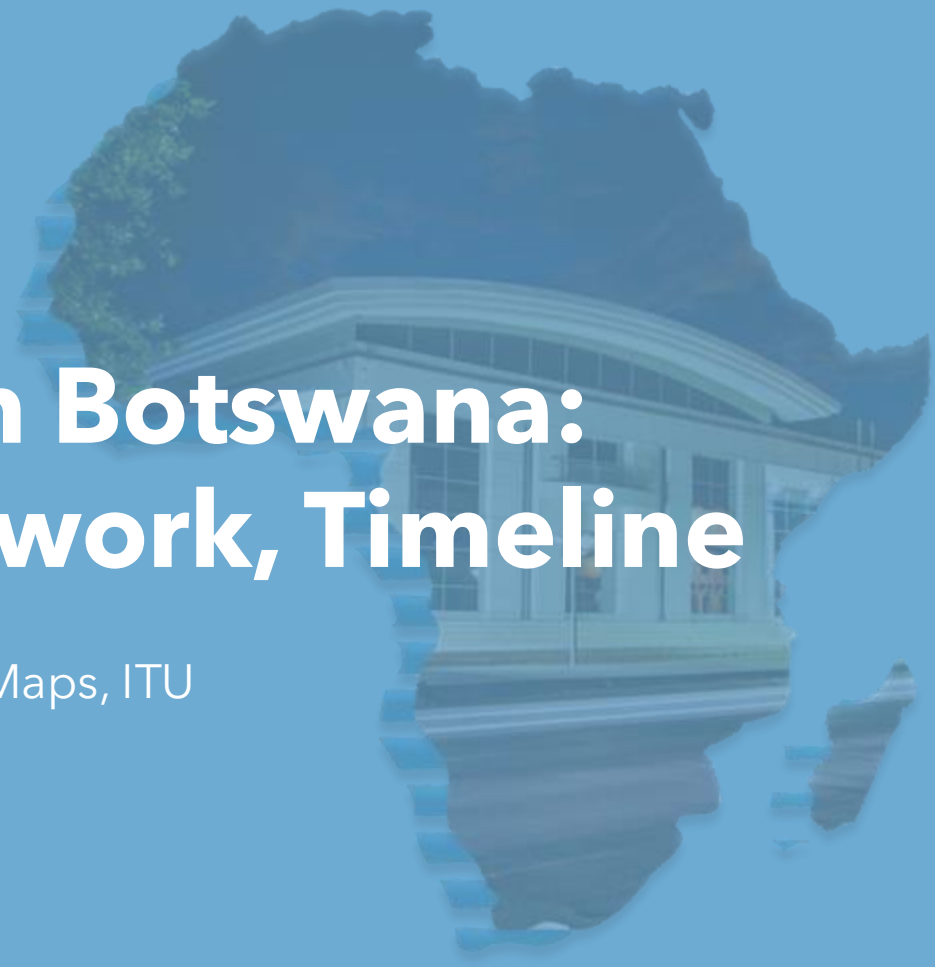
Botswana Railways

Q&A and Discussion for Session 1c (2)

Coffee Break

14:00 - 14:15

Session 2: Africa-BB-Maps in Botswana: Objectives, Technical Framework, Timeline



Moderation: Mr. Dana Jon Kamason, Project Manager, Africa-BB-Maps, ITU

Session 2: Africa-BB-Maps in Botswana: objectives, Technical Framework, Timeline

Mr. Dana Jon Kamason

Project Manager, Africa-BB-Maps, ITU

Mr. Elind Sulmina

Project Officer, Africa-BB-Maps, ITU

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Africa-BB-Maps – Project's Objective in Botswana

To **establish** and **operationalise sustainable** national **broadband mapping systems** to enable:

- **Validated**, **publicly accessible** broadband data
- **Evidence-based** policy and regulation
- Targeted **infrastructure investment**
- Inclusive and equitable **connectivity**
- Accelerated **digital transformation**
- **Regional harmonisation**
- Alignment with **international standards**

Africa-BB-Maps – 3 Strategic Pillars for Botswana

Africa-BB-Maps

Policy & Regulations

Creating the enabling environment for broadband mapping to thrive:

- Governance frameworks aligned with EU best practices
- Policy and regulatory integration
- Common data standards and interoperability
- Monitoring and evaluation mechanisms

Technology

Delivering state-of-the-art mapping platform:

- Geospatial platform (proprietary, open-source, or hybrid)
- Integration of infrastructure and service data
- Geoportals for public access and planning
- Tools for network analysis and policy formulation

Capacity Development

Empowering people and institutions to lead:

- Structured training through ITU Academy
- Hands-on learning in GIS, broadband policy, and data governance
- Support for NCC and stakeholders
- Nigeria-EU collaboration and regional knowledge exchange

National Ownership for Sustainability

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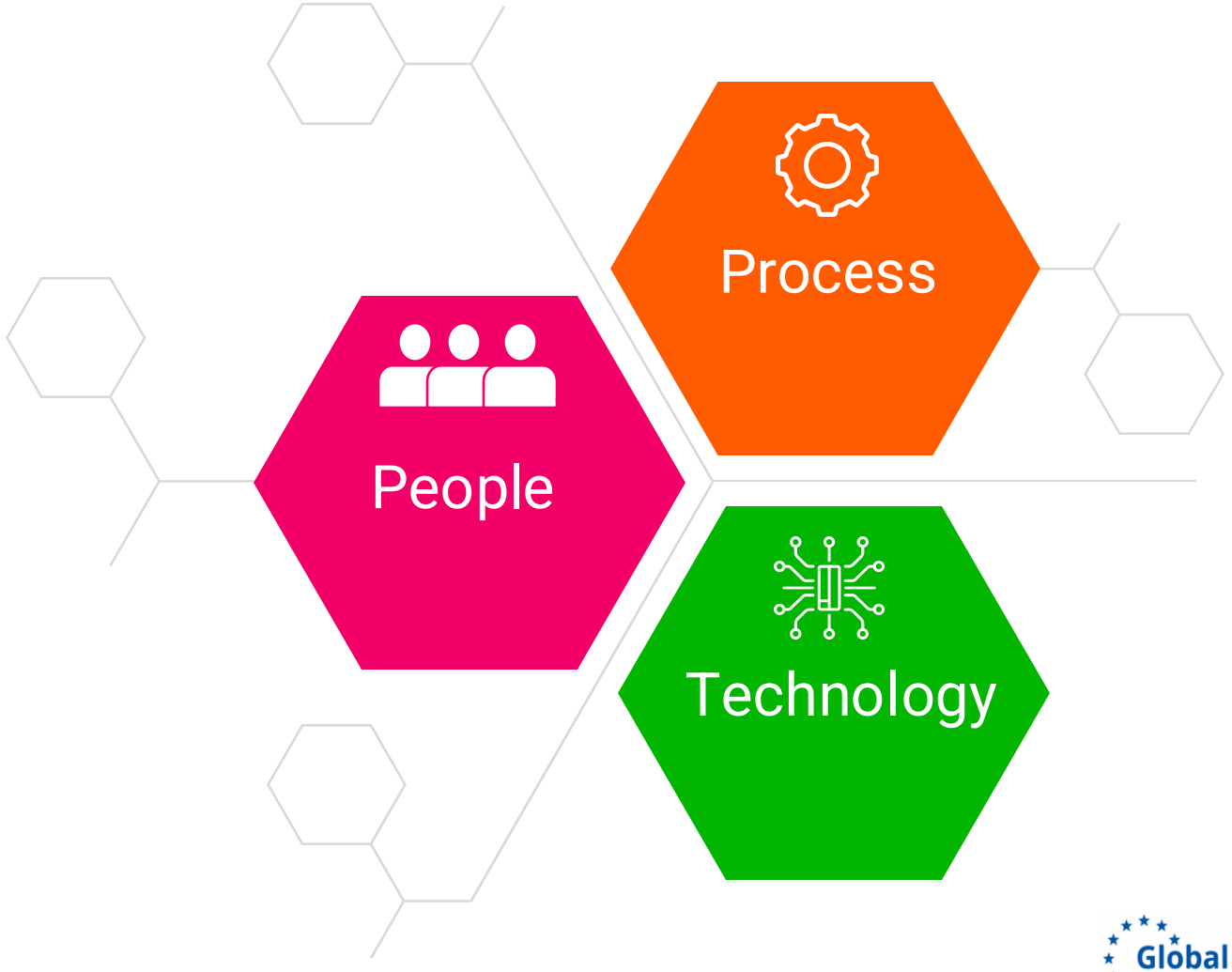
Africa-BB-Maps – Technical Framework for Nigeria

People, Process, and Technology for Sustainable Broadband Mapping



Africa-BB-Maps – Expected Outcome for Botswana

01 Low

Status: No system, no capacity, no coordination.

Focus: Raise awareness and assess digital readiness.

02 Medium (Emerging)

Status: Foundations forming, but data and systems are minimal.

Focus: Build mandates, standards, and system blueprint.

03 Medium (Functional)

Status: Basic system running with limited features and data.

Focus: Deploy core components and train initial users.

04 High (Established)

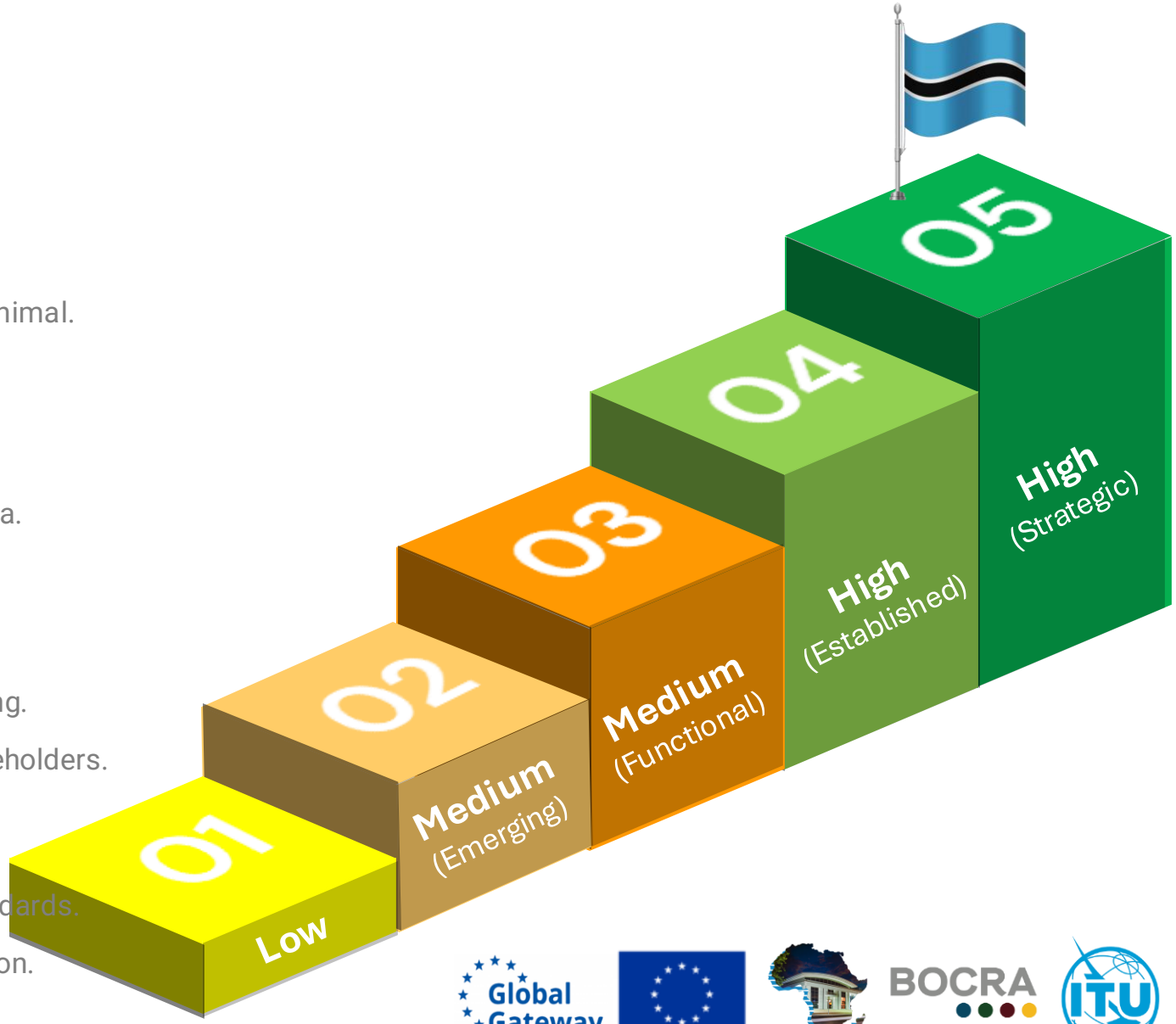
Status: Operational system integrated into national planning.

Focus: Institutionalise platform and scale use across stakeholders.

05 High (Strategic)

Status: Strategic tool aligned with regional and global standards.

Focus: Drive decision-making, enable regional harmonisation.



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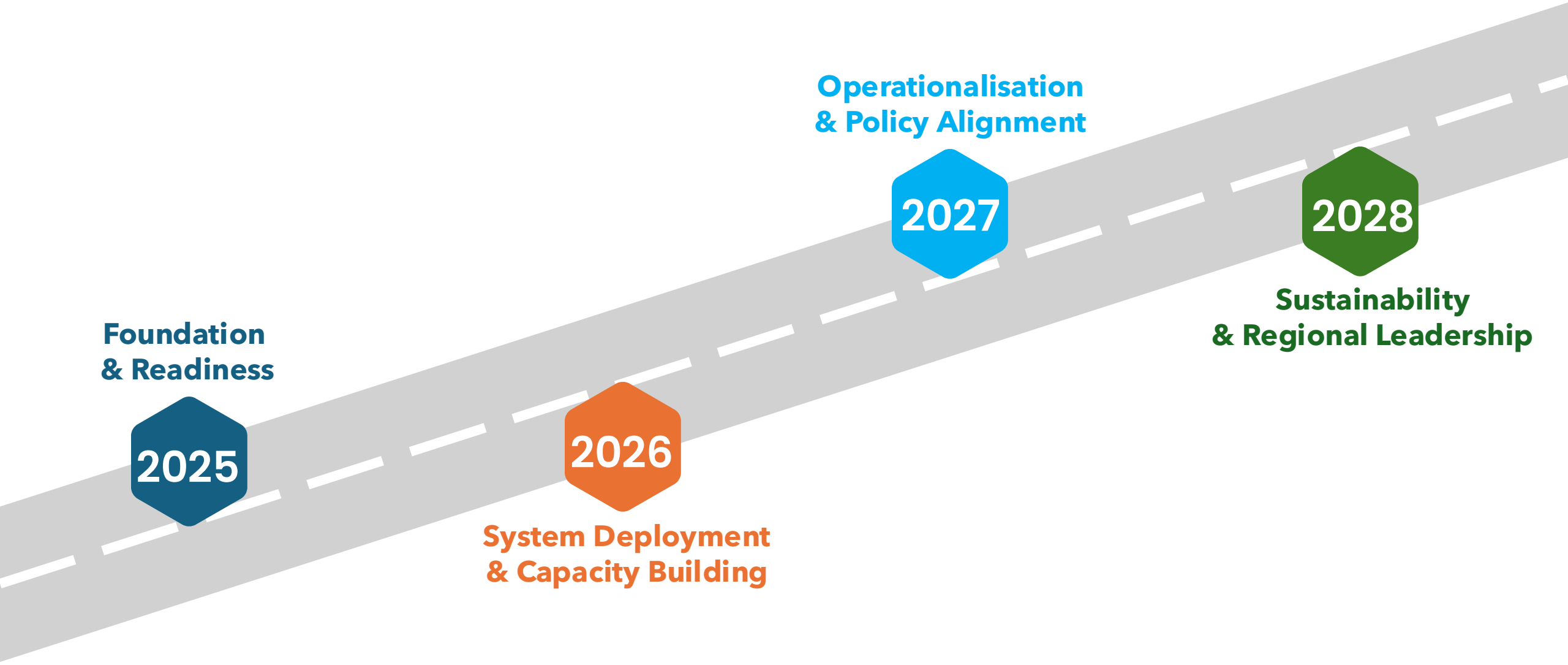
Africa-BB-Maps – Roadmap for Botswana



Session 2: Africa-BB-Maps in Botswana: Policy analysis high-level overview

Mr. Elind Sulmina

Project Officer, Africa-BB-Maps, ITU

Policy Work in Botswana

Africa-BB-Maps aims to help establish or strengthen broadband mapping systems within national regulatory agencies, ensuring they have the technical, policy, and institutional capacity to operate them effectively.

We aim for a state of the art GIS tool capable of planning better ICT Infrastructure investments, close connectivity gaps, and align with harmonized regional practices.

Policy Goal: Strengthen enabling environments for broadband mapping to fully operate without policy and regulatory constraints

Outputs:

- 1.2 Policy analysis & guidelines at country level
- 1.3 Increased policy dialogue & awareness at national/regional levels

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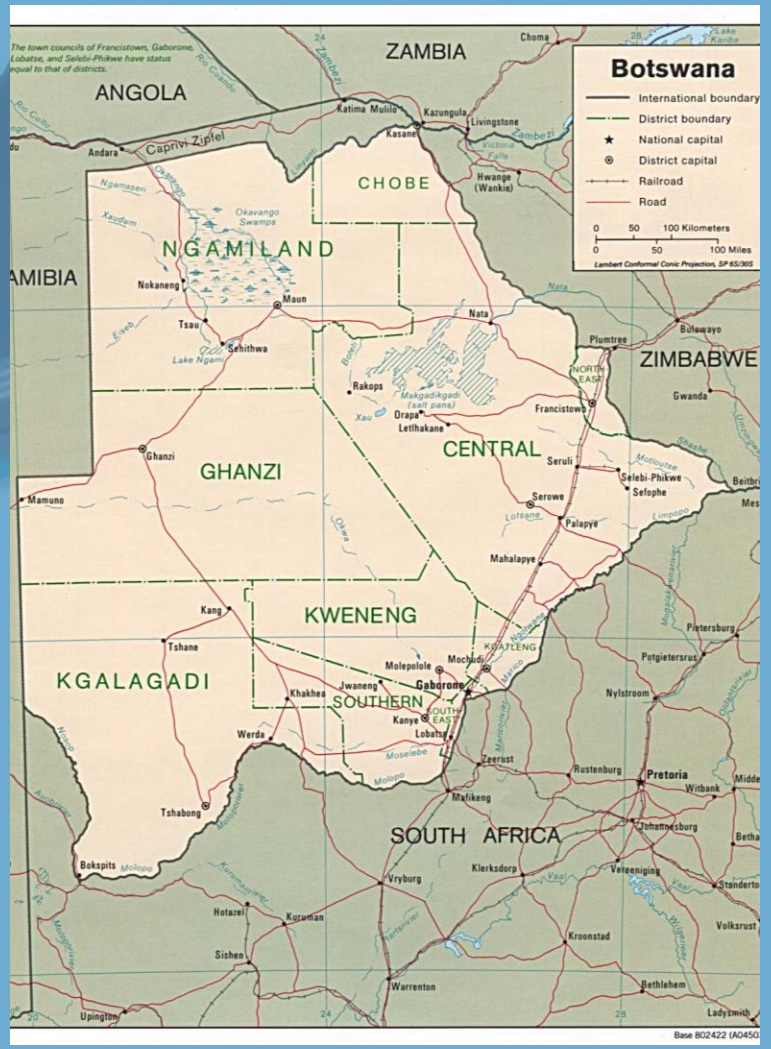
Pillars of Policy Work

The Africa-BB-Maps policy component rests on three interconnected pillars that guide all country interventions.

1. Conduct Baseline Assessment & Needs Analysis – Targeted review of the broadband mapping ecosystem to identify gaps and fine-tune approaches.
2. Provide Targeted Recommendations – Strengthen legal and regulatory frameworks and optimize technical systems.
3. Policy Dialogue & Awareness – Build understanding, stakeholder alignment, and regional harmonization.



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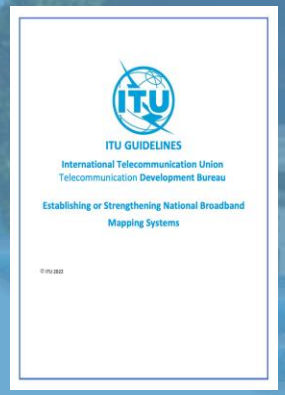
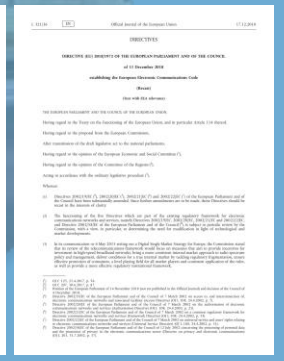
Regulatory Practices & Frameworks

Drawing from global best practices, such as ITU and the EU

1. ITU Guidelines Establishing or Strengthening National Broadband
2. ITU Policy analysis report on establishing or strenghtening the enabling environment for broadbad mapping systems
3. ITU Compendium of Case Studies on Broadband Mapping Systems Across the EMERG and EaPeReg RegionsMapping Systems
4. EU State Aid Guidelines (2023)
5. European Electronic Communications Code (2018)





Policy Promotion & Advocacy

Policy dialogue is essential to ensure that broadband mapping is understood, supported, and integrated into national digital strategies. Africa-BB-Maps works with governments, regulators, and industry to raise awareness and promote harmonization.

- National and regional workshops
- Engagement with ministries, regulators, and private sector
- Advocacy for harmonized mapping approaches
- Sharing regional & global best practices
- Building stakeholder buy-in for mapping adoption

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Expected Policy Outcomes

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1. Stronger policy coherence with regional best practices
2. Broadband mapping embedded in national ICT strategies
3. Transparent, reliable data for investment and planning decisions
4. Enhanced capacity of Nigerian institutions to manage mapping systems
5. Contribution to regional harmonization and cross-border connectivity

RECAP of Day 1 and Objectives of Day 2