# WACREN Network Map 2025

Prepared By: Edward Banjo
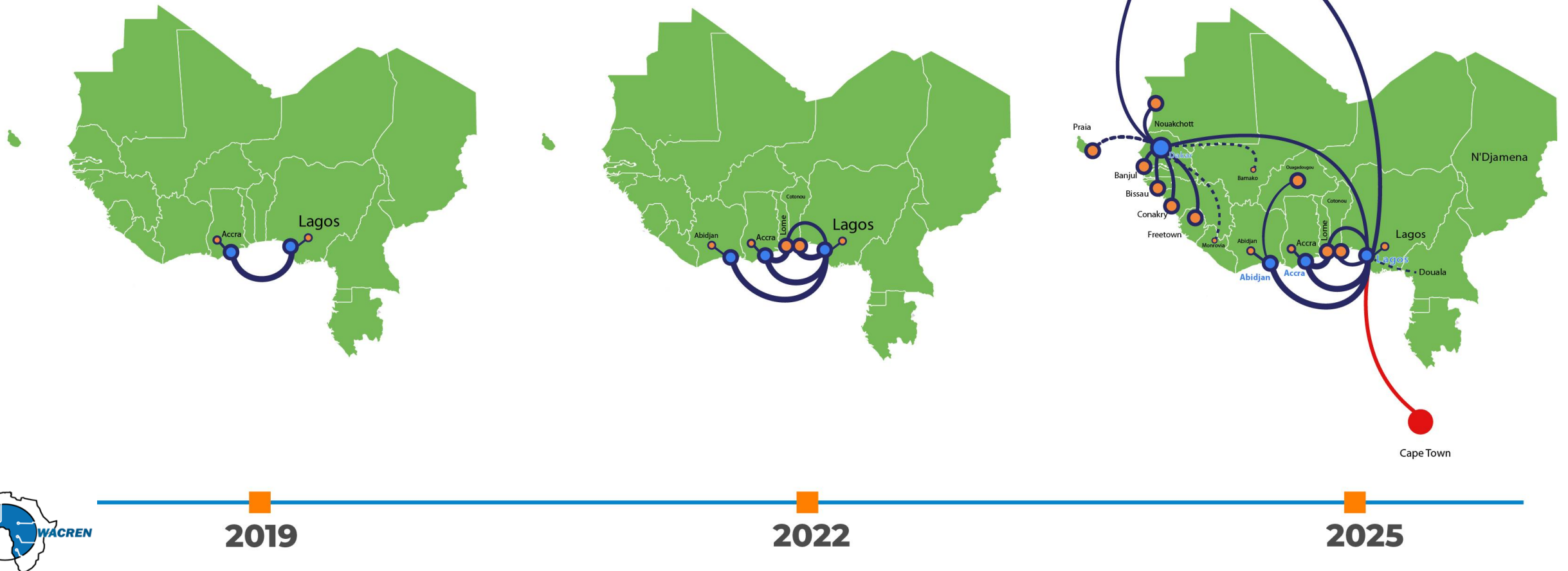
# WACREN Network Expansion

- **Expansion Journey So Far**

- **WACREN's Current Network reach**

- **Network Backbone Composition.**

- **Technical Map**

- **WACREN GXP initiative**

- **Back Bone Connectivity**

# Expansion Journey so far

**WACREN Network Growth**

•Over the years, the WACREN network has expanded across multiple countries within the WACREN region.
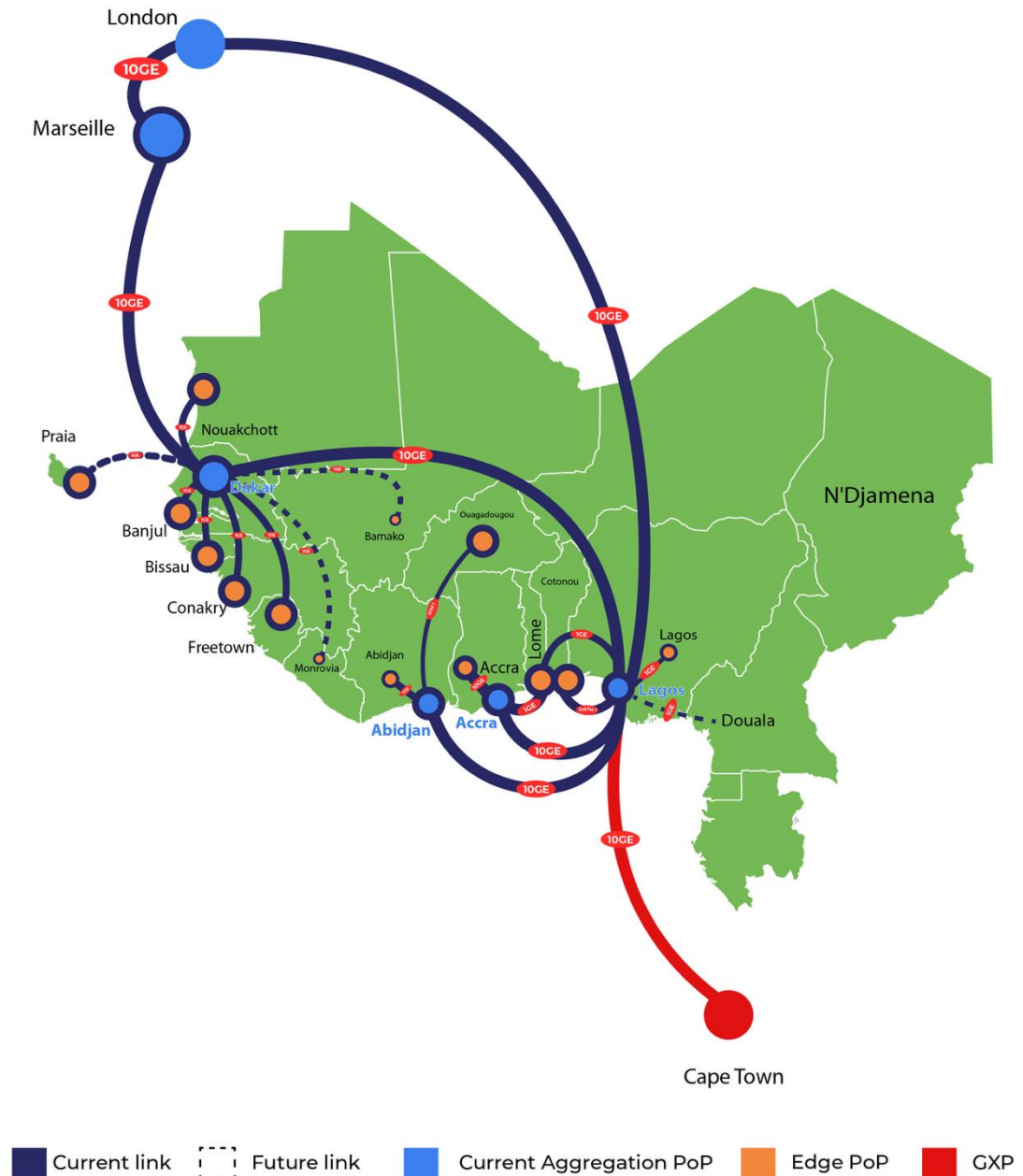


2019        2022        2025

# WACREN's Current Network Reach

**Network Expansion – AC3 New WACREN Locations**
The network now includes newly added WACREN sites under the AC3 project.

Expanded coverage includes **Freetown, Conakry, Bissau, Banjul, Nouakchott**, and additional locations.
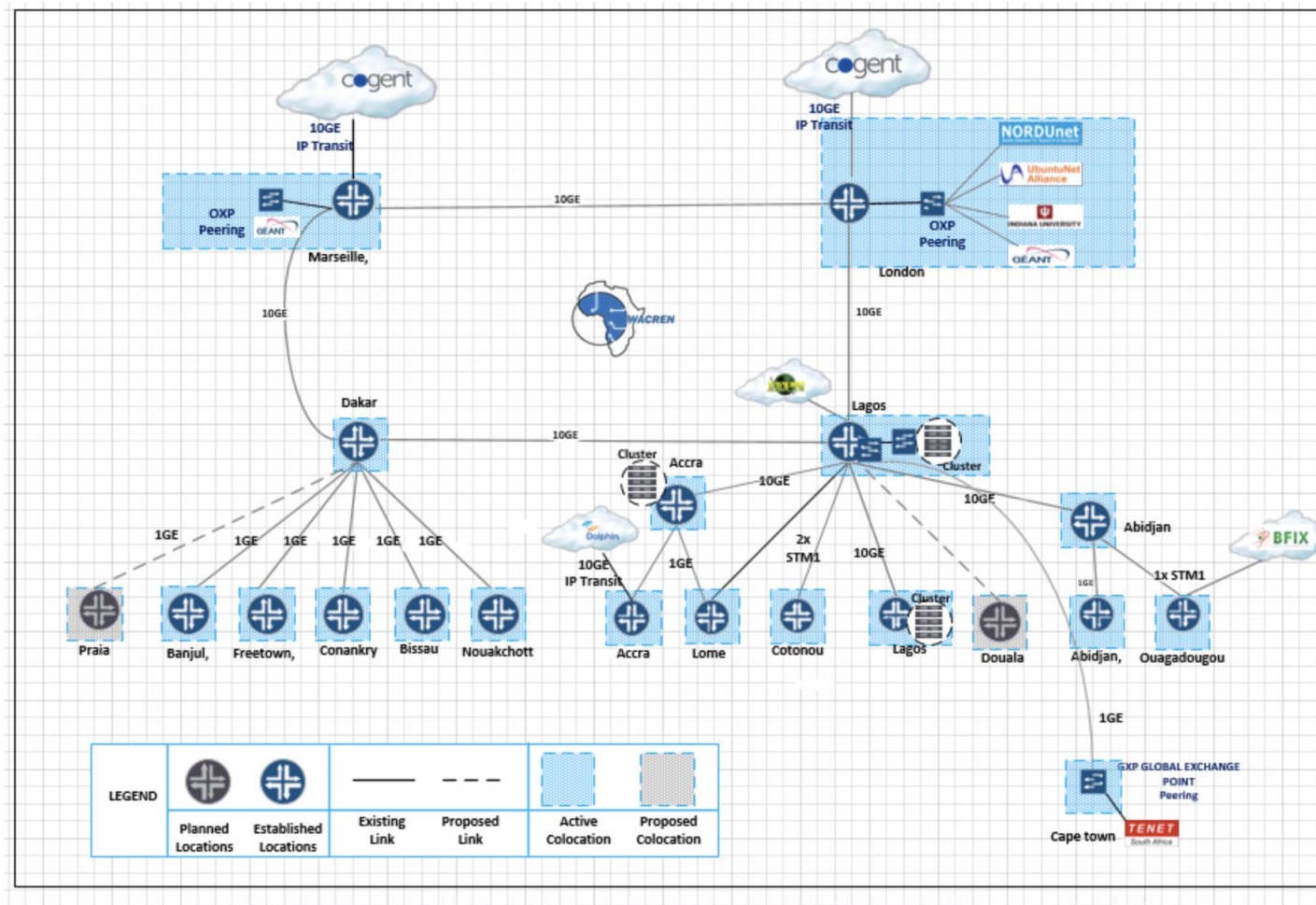
WACREN Lagos – Capetown GXP

# Network Backbone Composition

**Current WACREN Network Composition**

•The WACREN network is built on a blend of **IP transit services**, **10GE and 1GE links**, **STM-1 and dual STM-1 circuits**, as well as multiple **exchange points** and **Points of Presence (PoPs)**.

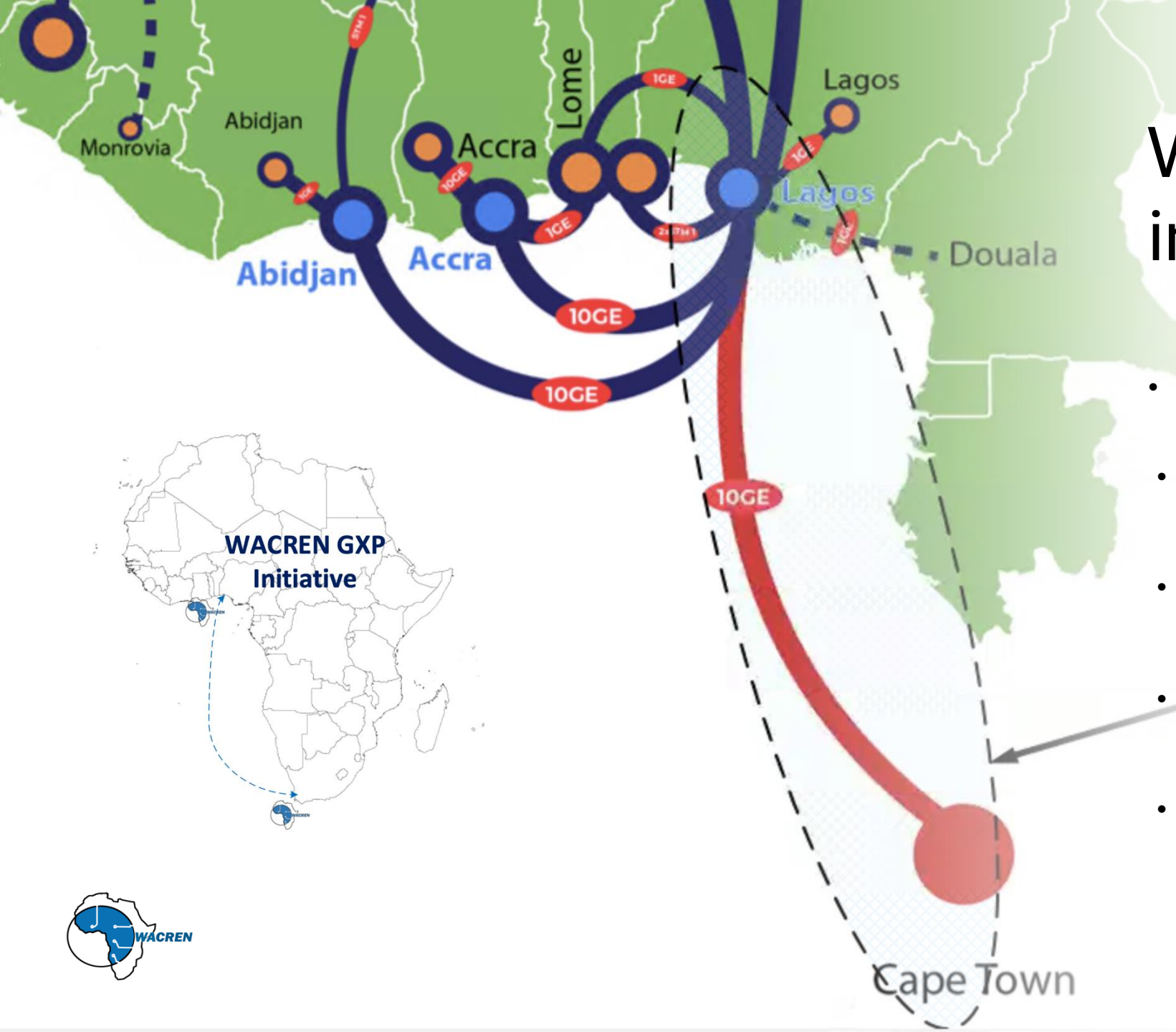| Item | Quantity |
|---|---|
| IP Transits | 3 |
| 10GE Backbone | 8 |
| 1GE Backbone | 6 |
| 2 X STM1 Backbones | 1 |
| STM1 Backbones | 1 |
| Exchanges | 4 |
| Point Of Presences | 17 |

WACREN Network Technical Map

# WACREN GXP initiative

- **WACREN GXP Initiative – Summary**

- WACREN has established a **10GE link** from its **Lagos MDXi POP** to **Cape Town, South Africa**.
- The initiative extends WACREN's reach into Southern Africa to strengthen R&E connectivity.
- Enables direct collaboration with regional partners such as **XIAOXI**, **TENET**, and the **UbuntuNet Alliance**.
- Enhances cross-border research collaboration, performance, and network resilience.

# The End