



2nd DIGITAfrica Consultation Workshop

April 28, 2026, Tunis

Yousef Torman
Managing Director
ASREN



ASREN

e-AGE26
Alexandria, Egypt | 1 - 3 December 2026



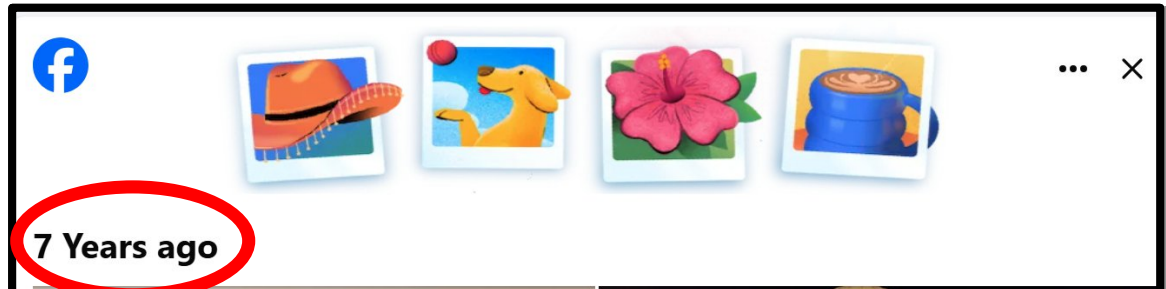
EUMEDplus

Bridging the Mediterranean



ASREN LIBSENSE-III Workshop

Tunis 26-27 2019





ASREN 2010

The Arab States Research and Education Network, ASREN, is the official and legal organization responsible for promoting and establishing the Pan-Arab e-Infrastructures and e-Services for the Arab research and education communities to enable science cooperation, boost scientific research and develop education and learning

- Launched at the League of Arab States under the Patronage of its Secretary General.
- Endorsed by European Commission, AArU, FASRC,
- Honorary Chaired by HE Secretary general of AS
- Registered in Germany as non-for-profit GmbH

Vision: Pan-Arab collaborative research and education projects and activities, contribute to boost the scientific research, innovation and education levels in the Arab countries by uplifting efficiency and productivity of research and education communities.



Mission: To implement, manage and extend sustainable Pan-Arab e-Infrastructures dedicated for the Research and Education communities and to boost scientific research and cooperation in member countries through the provision of world-class e-Infrastructures and e-services.

ASREN Membership includes NRENs from Jordan, Morocco, Oman, Sudan, Tunisia, Djibouti, Egypt, Palestine, Libya, Somalia, Syria, Lebanon, Mauritania and Yemen

ASREN Objectives (2010)

1. Build, maintain and consolidate regional e-Infrastructures dedicated to e-Science and education across the Arab countries:

- Develop, manage and operate a regional network that interconnects the Arab NRENs.
- Promote harmonization of policies and standards in relevant areas at a regional level.
- Advocate/lobby at the regional level amongst decision makers and stakeholders

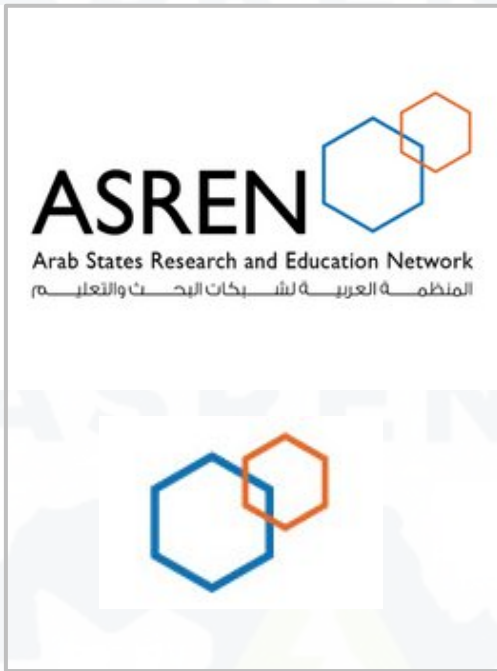
2. Contribute to creating and sustaining NRENS:

- Support NRENs to implement leading-edge technological solutions while pursuing cost-effectiveness
- Favoring exchange of expertise and best practices amongst NRENs in the region

3. Facilitate collaboration and cooperation among researchers and academics:

- Increase availability and accessibility to knowledge resources
- Promote development of scientific and cultural content in Arabic
- Facilitate knowledge exchange and transfer processes across the region and worldwide
- Promote the adoption and usage of the e-Infrastructures and services among the scientific community
- Strengthen regional partnerships and encouraging joint scientific research

New Identity, New Branding, New Slogan and New Logo



ASREN

Arab States Research & Education Network
المنظمة العربية لشبكات البحث والتعليم



- Arab
- Asia
- Africa
- Advolution
- Access

Uniting Minds, Shaping Futures

ليقتسما لكشن، راكفألا دحون

ASREN 2024 - Areas of Intervention

- Dedicated R & E Networks at national, regional and global levels
Network Management, Monitoring, Network Security, PerfSonar, MANRS...
- Research and Education Services
Educational roaming ☾ eduroam, Federated Access through eduGAIN
- Science Cooperation
UN-SDGs through science, Open Science, Open Access, OER, Open Science Platforms, Science Diplomacy
- Community Engagement
Science Communities and Communities of Practice, R&E Communities, Technical Communities
- Scientific Computing
HPC, Clouds, Grids
- Internet Access, Security and Governance

NRENs in the Arab Region



TechCARE

SHERN



Partnering With the World



اتحاد الجامعات العربية



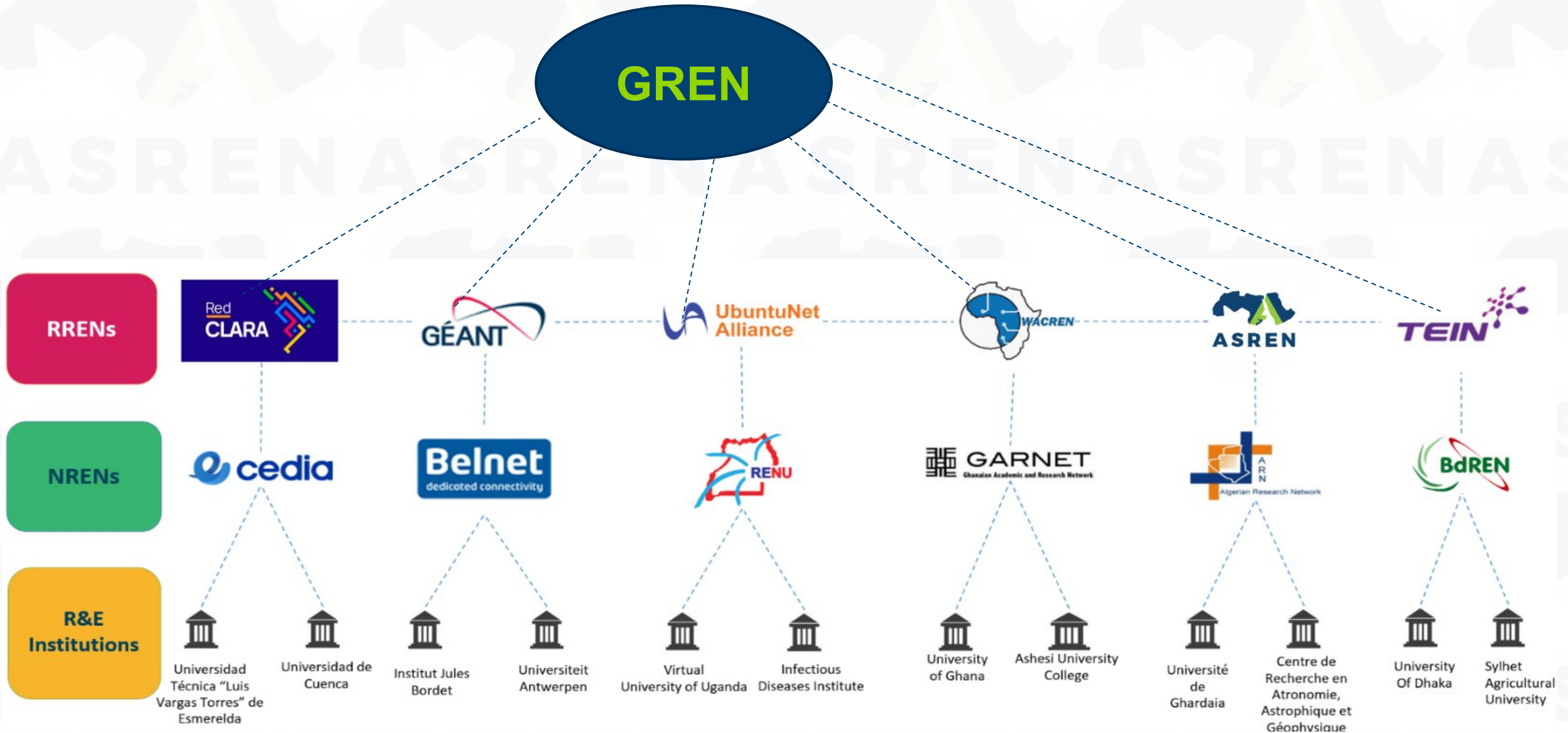
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للتربية والعلم والثقافة

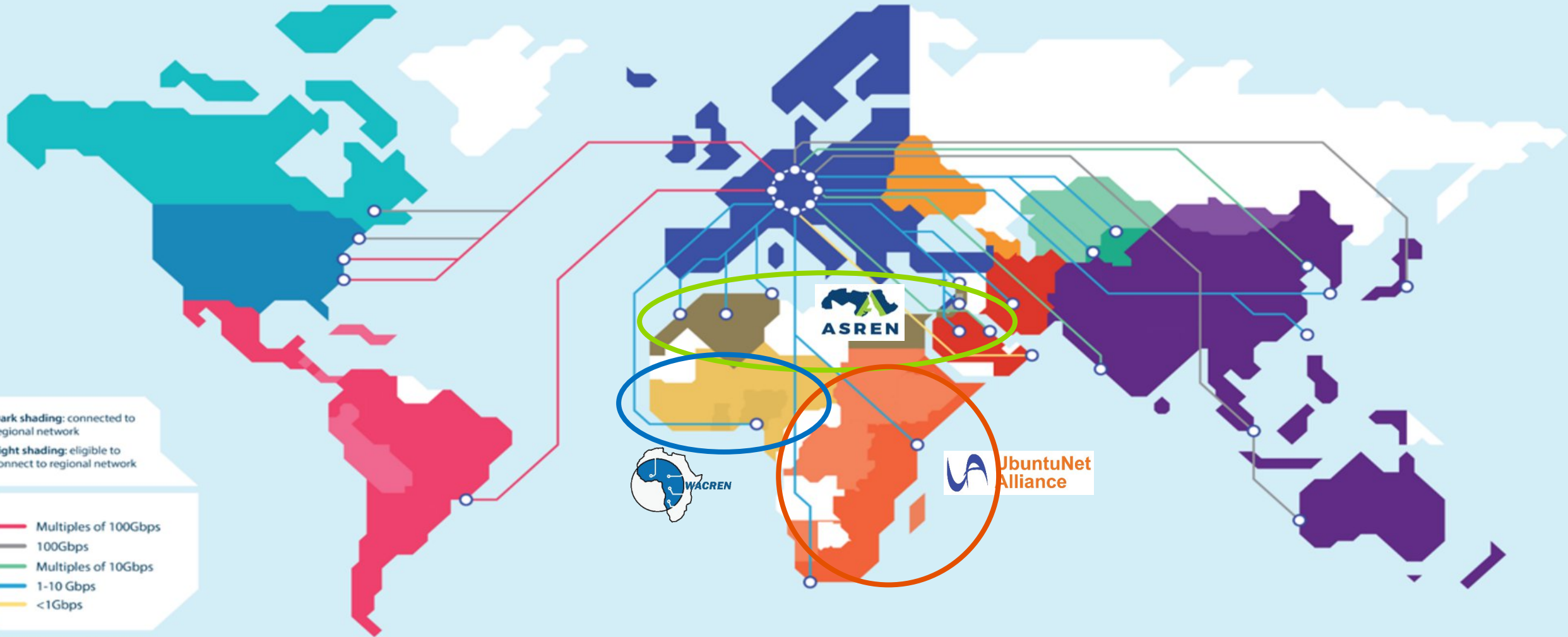


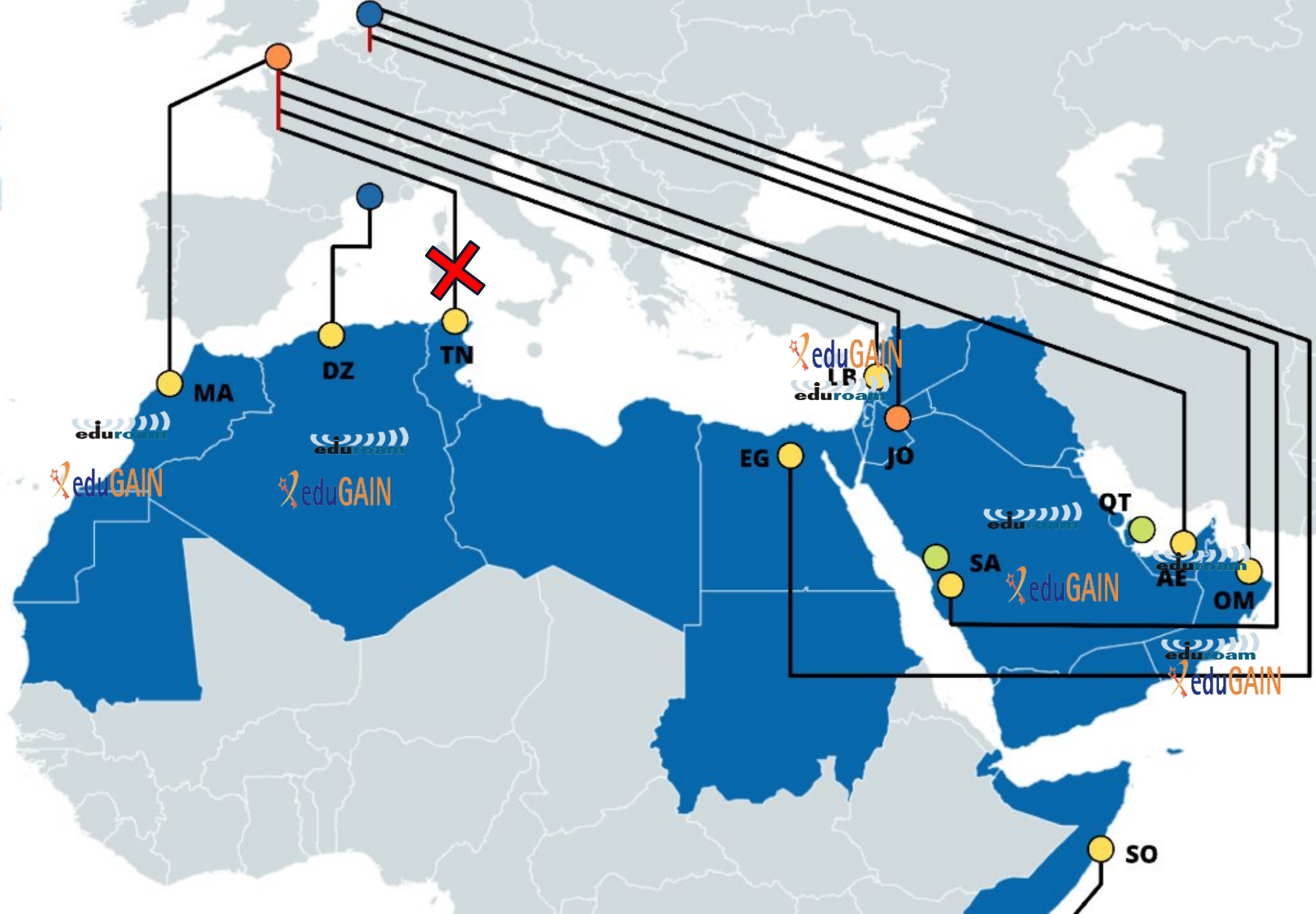
Centre National Universitaire de
Documentation Scientifique et Technique
www.cnudst.rnrt.ma



NRENs, RRENs and GREN







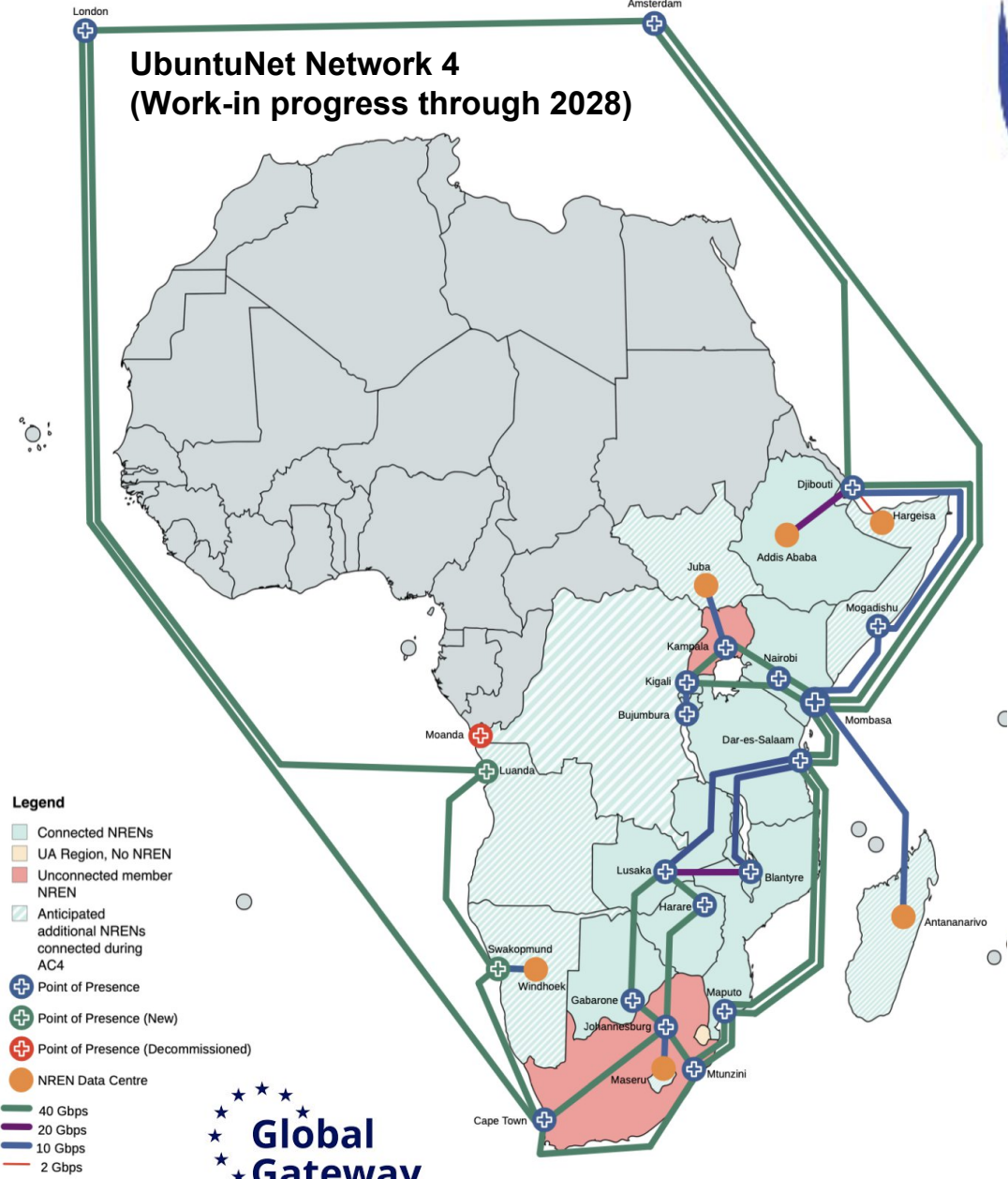


Upgrade to UbuntuNet Network 4

Co-funded by the EU under AfricaConnect4

Shall provide significantly more capacity to member NRENs and reduce unit costs

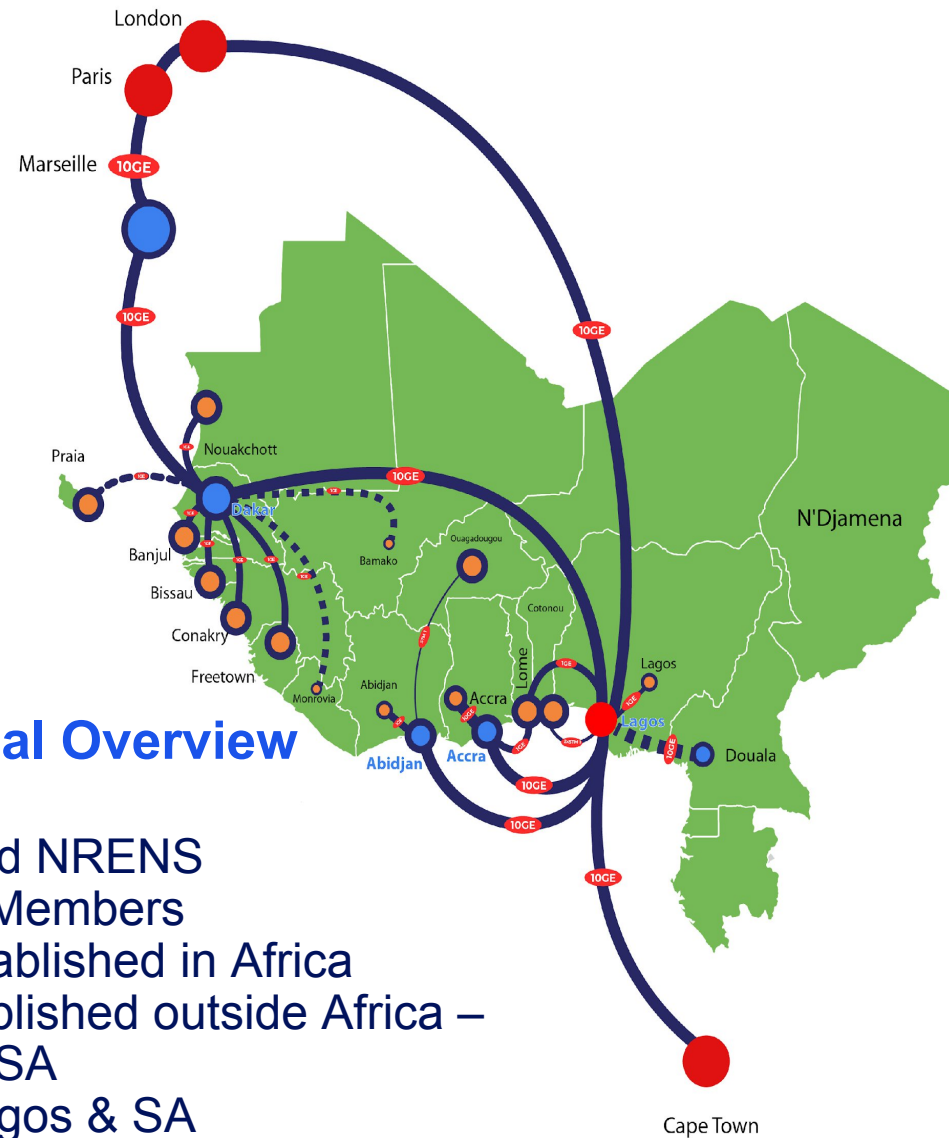
Add additional five countries onto the network





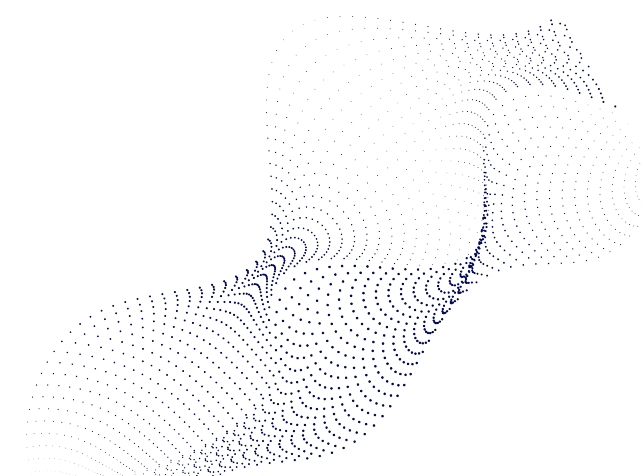
Current Regional Overview

- ❖ 19 Registered NRENS
- ❖ 5 Associate Members
- ❖ 12 PoPs Established in Africa
- ❖ 3 PoPs Established outside Africa
- ❖ 2 GXPs – Lagos & SA



Future Regional Overview

- ❖ 21 Registered NRENS
- ❖ 5 Associate Members
- ❖ 14 PoPs Established in Africa
- ❖ 3 PoPs Established outside Africa – UK, France, SA
- ❖ 2 GXPs – Lagos & SA



- Research & Education Connectivity
- R&E Services: eduroam, eduGAIN, eduVPN...
- HPC, Cloud Computing
- Open Science & Open Science Cloud
- NREN Capacity Development
- Community Engagement
- Advocacy and Donors Engagement

Strengthening Digital Connectivity and Innovation in the EU's Southern Neighbourhood

- Total budget: €13,334,000 with 90% EU funding.
- Financed by Regional South Annual Action Programme under NDICI-Global Europe



The region is connected

- Egypt - ASRT – **ENSTINET**
- Algeria - CERIST – **ARN**
- Morocco – CNRST - **MARWAN**
- ~~• Tunisia – RNU - **CCK**~~
- Lebanon – TechCARE - **AUB**
- Jordan - **SESAME**

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AfricaConnect receives **€40 million** from EU to expand digital infrastructure for Research and Education in Sub-Saharan Africa

Implemented by



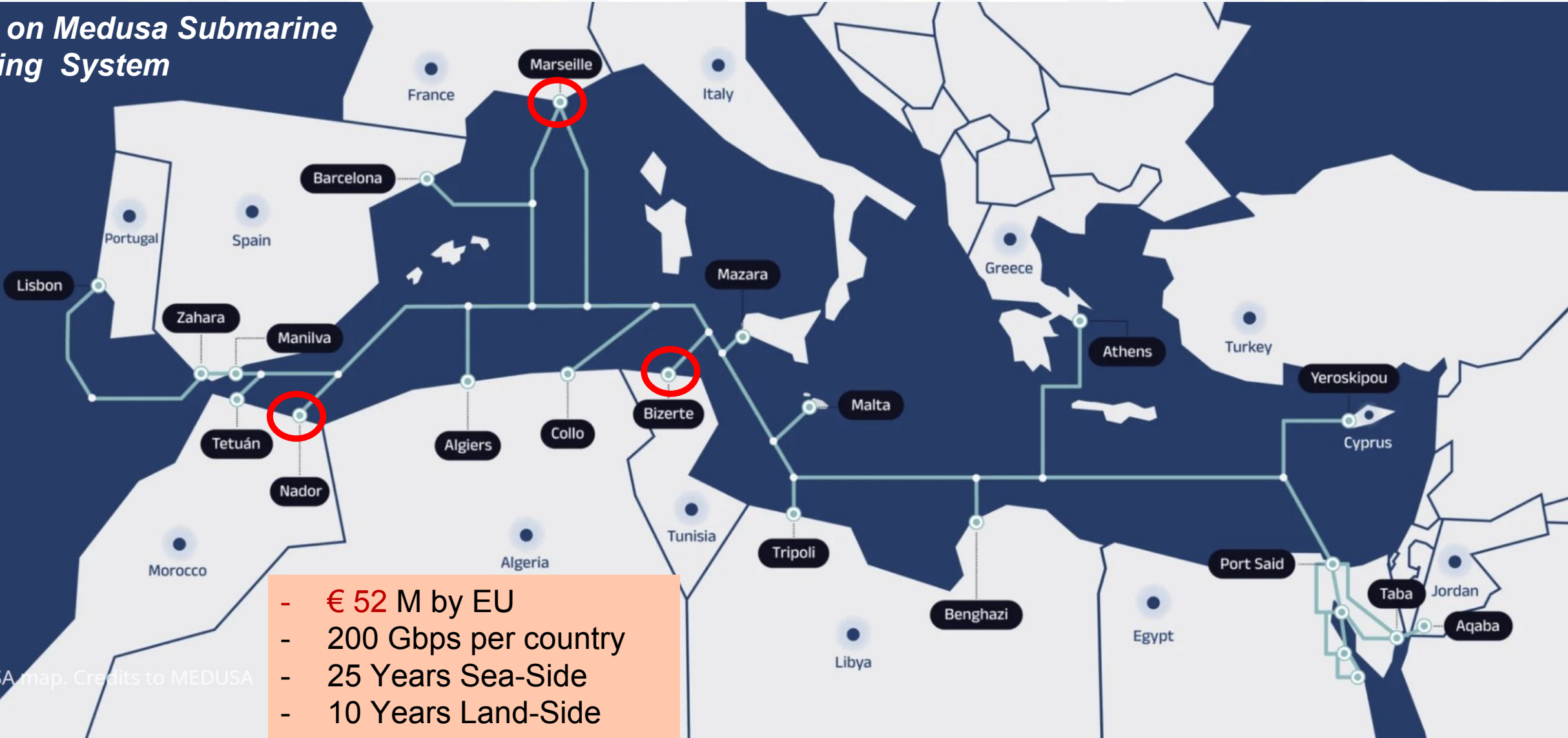
Arab Regional R&E Network

میلعتاؤ تحبیل یمیلقالا یرعلنا یرکبشنا

Al-Hazen Network for Science

مولعلل مٹیہا نب نسحا یرکبش

Built on Medusa Submarine Cabling System





- € 52 M by EU
- 200 Gbps per country
- 25 Years Sea-Side
- 10 Years Land-Side

MEDUSA map. Credits to MEDUSA


ASREN's 16th Annual
Conference
Pyramids: Continuity Across
Time
Bibliotheca Alexandrina
December 1-3, 2026

e-AGE 26



**AI for Sustainable Impact:
Driving the SDGs Forward**

From Ideas to Impact
A Hands-on Hackathon Empowering the Next Generation of Innovators



Ready to Build AI for Impact?
Submit Your Proposal
NOW!

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