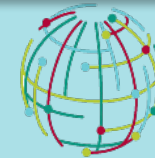


Supporting “Small” Science in Africa



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April 2017

Supported by the National Science Foundation



US R and E Interests in Africa

- Large International Science Projects, eg. SKA
- ~3000 NSF or NIH funded Research Projects in Africa
- Educational Investments

NEAAR: Networks for European, American, and African Research

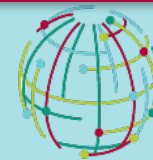
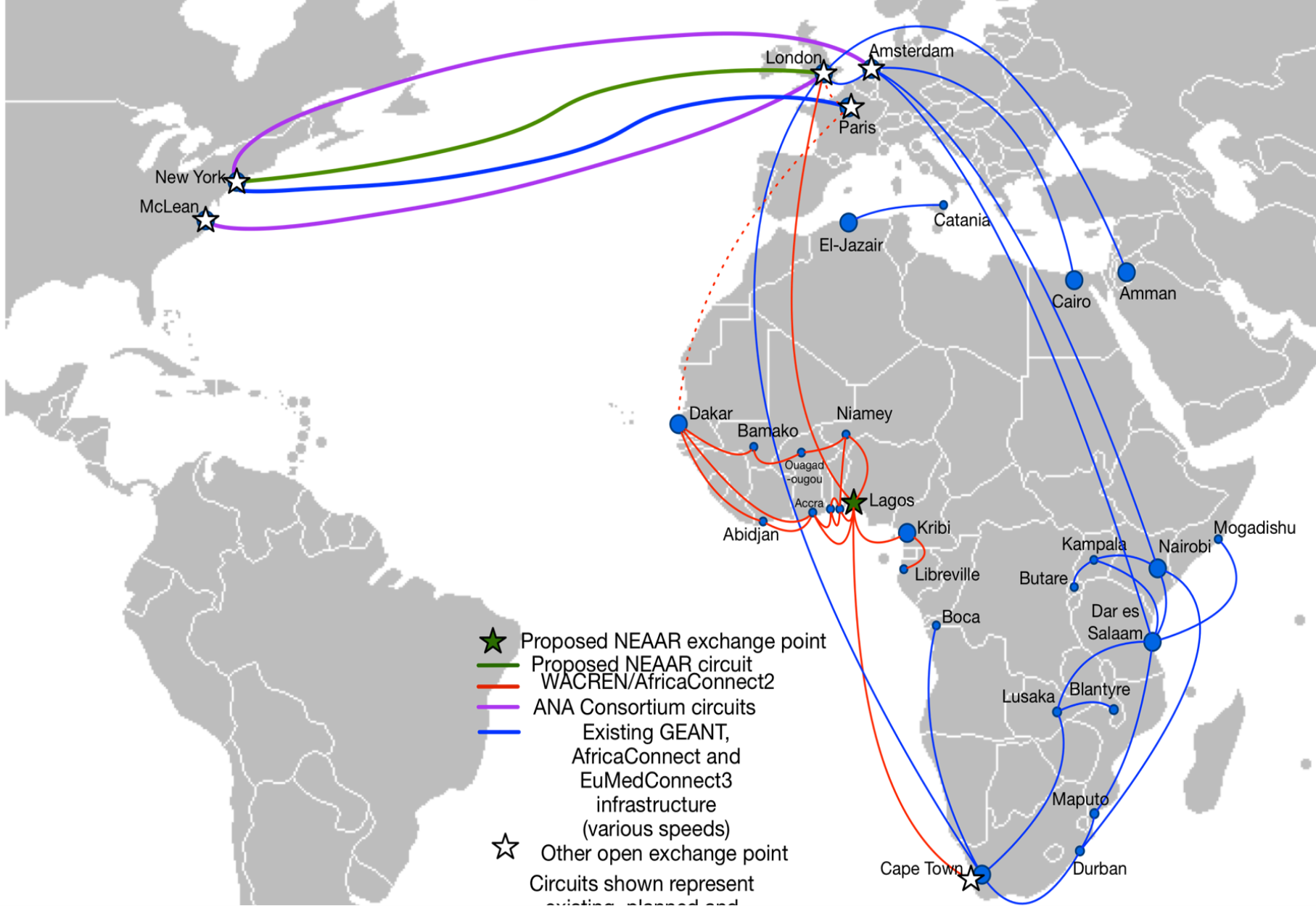
- Funding from US National Science Foundation
 - \$3.25M over 4 years
- Partners:
 - Indiana University
 - GEANT
 - UbuntuNet Alliance
 - WACREN
 - ASREN
 - SANREN/TENET



NEAAR in a Nutshell



- 100G circuit US to Europe
- Build an exchange point and DTN in West Africa
- Emphasis on enabling science collaborations
- Enable measurement and monitoring to understand performance





AMPATH Challenges

- Obtaining technical assistance from home campus
- Training local IT personnel
- Retaining IT personnel
- Engaging with local NREN

Addressing Challenges

- Capacity Building/Sharing
- PerfSONAR
- Outreach and Engagement
- Project Awareness

Other ideas?...



Acknowledgements



- NEAAR is funded by US NSF award #1638863
- More information: <http://in.iu.edu/>
- edmoyne@iu.edu

