

Africa's Fibre Assets

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Mike Jensen
ICT Consulting
mike@suvabay.com

Current Status of African Fibre

- Many new submarine cables and cross-border links completed or being completed, and capacity on existing links being increased
- 18 Tbps of submarine fibre by 2012 – 100 000Kms @ \$US 4bn
- Over 585,000 route-kms of terrestrial transmission network (operational, under deployment and proposed) by mid 2010 (332 000 kms of fibre)
- An increase of 26% compared to mid 2009 with an additional 60 000kms entering service during the year

Number of countries connected to fibre:

Year	2009	2010	2011	2012
Number African Countries Connected	34	40	46	52
% of Countries connected	63	74	85	96

- Africa's international Internet bandwidth went past 300 Gbps in the first quarter of 2010, and sub-Saharan Africa went past 100 Gbps

New Central African Infrastructure 2



New East African Infrastructure



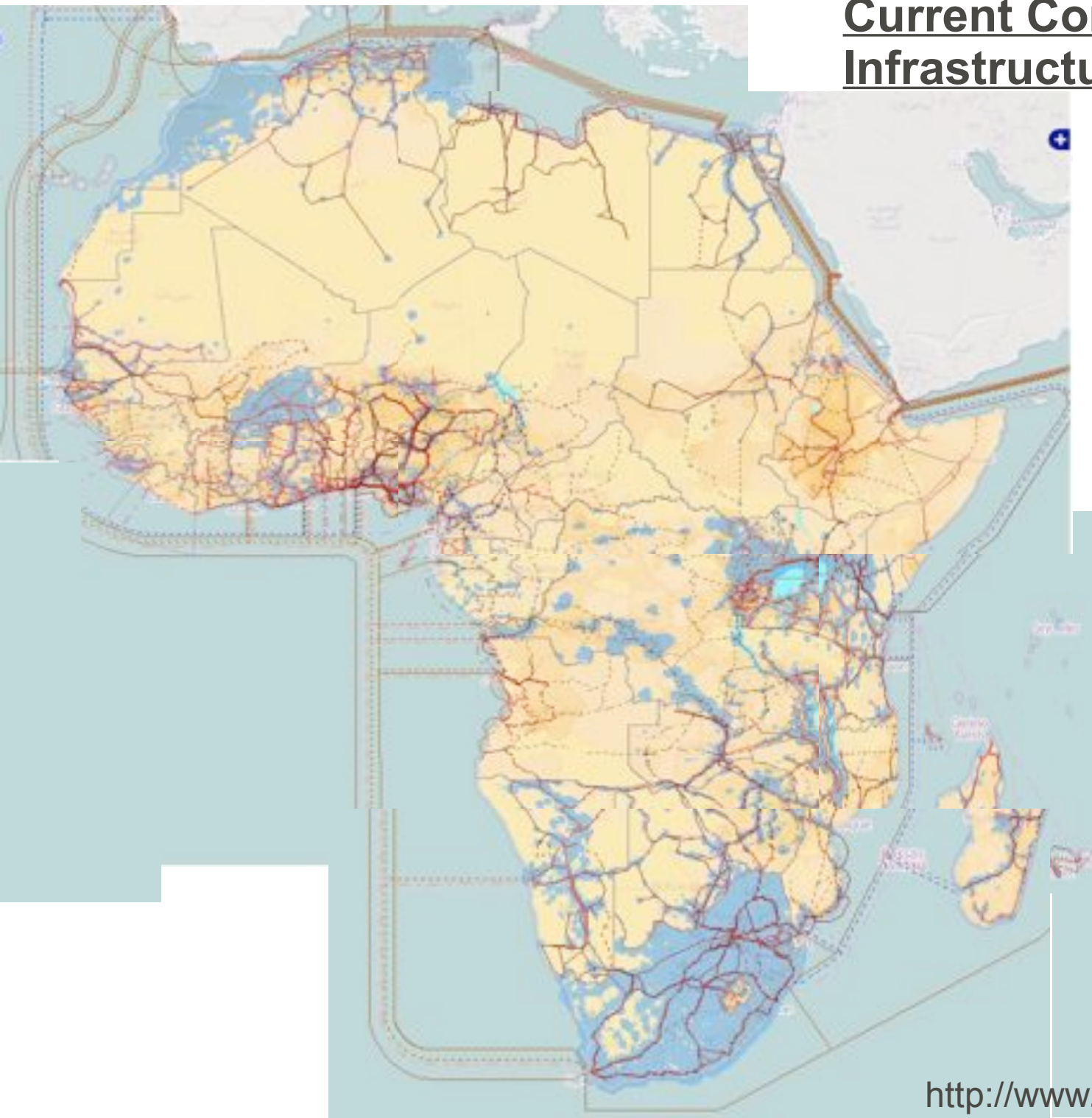
New North African Infrastructure



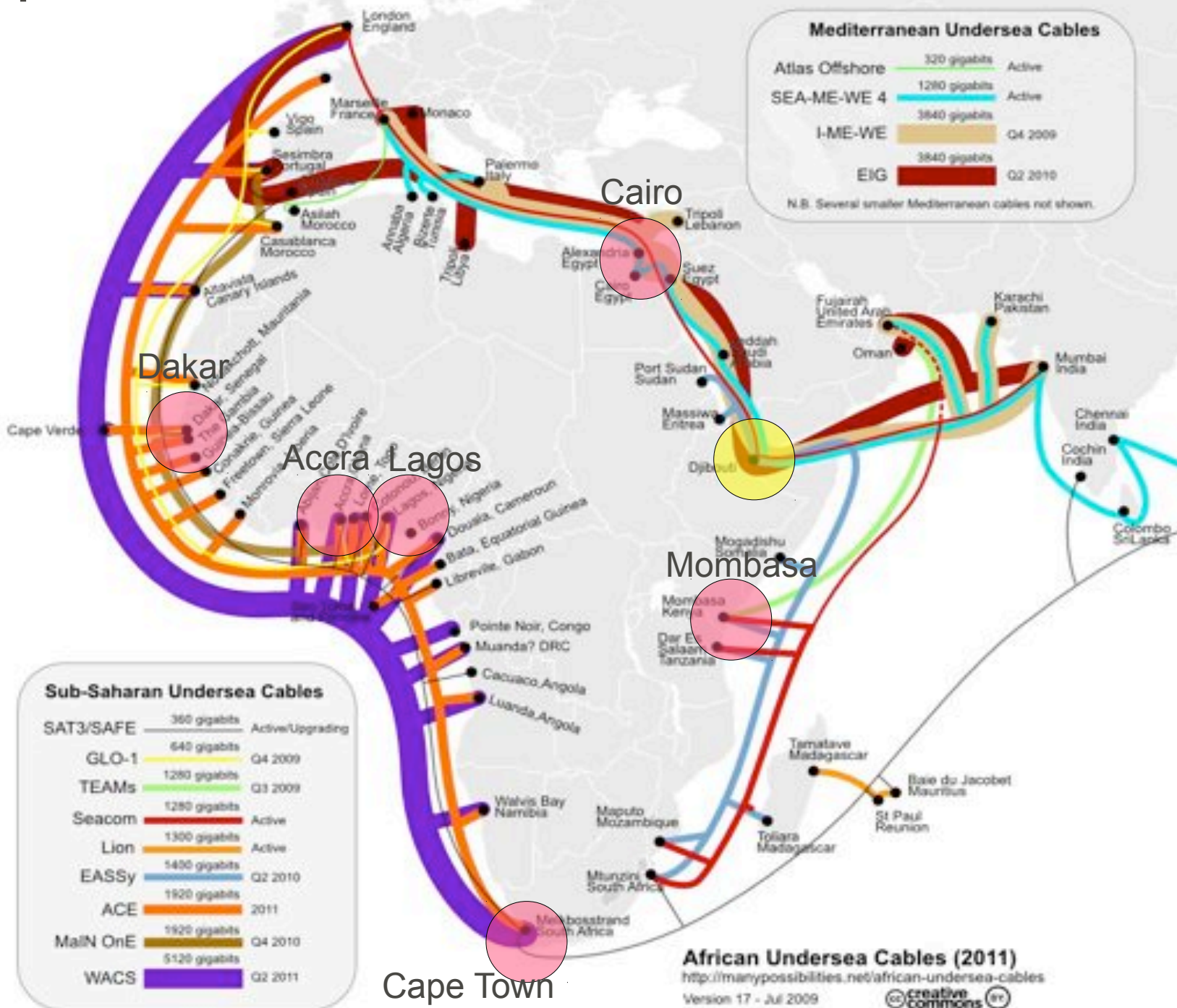
New West African Infrastructure



Current Communication Infrastructure in Africa



Top Submarine Fibre Interconnection Points - 3 or more cables



•21 of the 23 operational IXPs are in cities connected to submarine fibre

•The other 2 will be connected by 2012

Key Issues

- Limited national backbones are now the main bottleneck
- Lack of East-West links
- Lack of redundancy (alternative physical routes) will still be an issue for most countries for some years

Thank You