



ACE Submarine Cable

Yves Ruggeri

ACE Management Committee Chairman

Presenter Profile

Yves Ruggeri is in charge of the Network Strategy and Submarine Systems Department in France Telecom, designing and implementing FT international Backbones. He is Chairing Management Committees for several Cable Systems such as SeaMeWe3 and LION, as well as the new ACE and LION2 initiatives.



Mr. Yves Ruggeri

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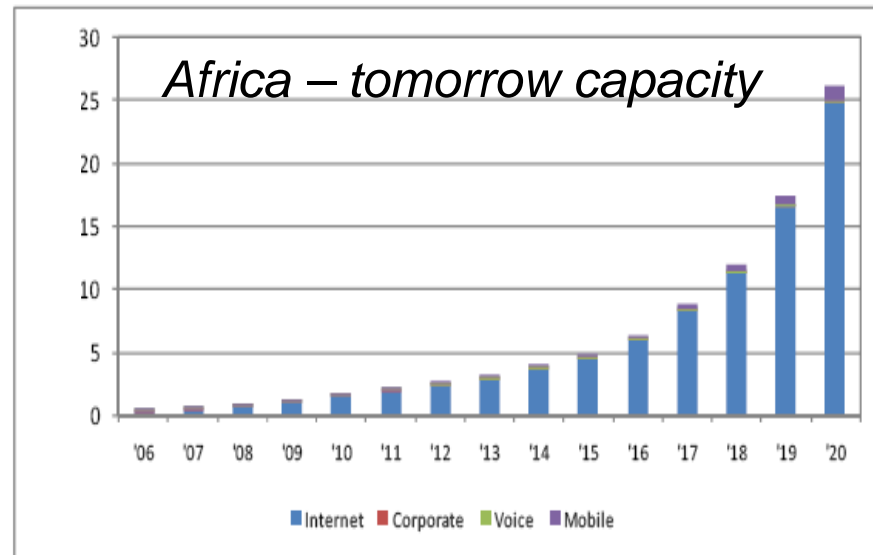
Internet capacity in Africa

- The ongoing liberalization of Africa's telecommunications regulatory regimes as well as accelerating economic development in Africa have led to explosive growth in the telecommunications sector.
- Consistent with global trends, approximately 95% of international traffic is forecasted to be driven by Internet data access.
- With historically low internet penetration rates in Africa in comparison to levels elsewhere, demand for data access in these regions is expected to continue to grow at a rapid pace.
- ✓ **Broadband internet access and heavier, content-rich traffic are expected to fuel strong demand for international connectivity via submarine fiber optic systems over the next 15 years.**



ACE, for the development of Africa

- Today, lack of international connectivity, diversity, and the corresponding use of scarce and expensive satellite resources are limiting Africa telecommunications development.
- To achieve the forecasted growth, Africa needs a new international highway with a complete connectivity: **ACE**



Source: Pioneer, 2007

- ✓ **ACE will support the growth of the traffic between Africa and the rest of the world, thus reducing the digital divide and driving the economic and social development of Africa**



ACE, a high connectivity

- A 17,000 km long Submarine Cable designed to provide 5,12 Tbps
- 22 Countries to be connected, including 9 Countries not served today by a cable system
- ✓ The best connectivity ever offered by a submarine cable along the West Coast of Africa



ACE



ACE, an innovative system

- Consortium members can aggregate their investment to finance the same landing point
- Increased competition for international traffic in all Countries, for the benefit of the end user
- Operators in Landlocked Countries can be members of the Consortium.
- ACE is a state of the art and upgradeable system, ready for 40G implementation.
- International foundations can contribute for the benefit of health and education



ACE members

- Baharicom
- Benin Telecoms
- Camtel
- Côte d'Ivoire Telecom
- CST (Sao Tomé)
- Espresso Telecom Group
- France Telecom
- Gamtel
- Getesa
- International Mauritania Telecom
- Libtelco
- Maroc Telecom
- Mauritius Telecom
- OCPT (DRC)
- Orange Cameroun
- Orange Guinée
- Orange Mali
- Orange Niger
- Republic of Gabon
- Sierra Leone Cable Ltd.
- Sonatel
- Sotelgui

ACE will:

- Provide international connectivity to Countries (including **land-locked Countries**) who don't have access to any submarine cable
- Improve connectivity, provide diversity and traffic securization to Countries already connected to SAT3 and/or Atlantis-2
 - ✓ Reduce the cost of international traffic
 - ✓ Speed up the development of broadband services
 - ✓ Favour economic development and education



Project planning

- **June 5, 2010 !**

 - C&MA Signature

 - Supply Contract Signature

- **June 2010 through 1H 2012**: Network Construction

- **1H 2012**: System ready for service



SubOptic 2010

conference & convention

enabling the next generation of networks & services

*The 7th International Conference & Convention
on Undersea Telecommunications*

*Pacifico Convention Plaza Yokohama
& InterContinental The Grand Yokohama*

11 ~ 14 May 2010

www.suboptic.org