

Regional Connectivity Agenda: Strategies for Single Information Space

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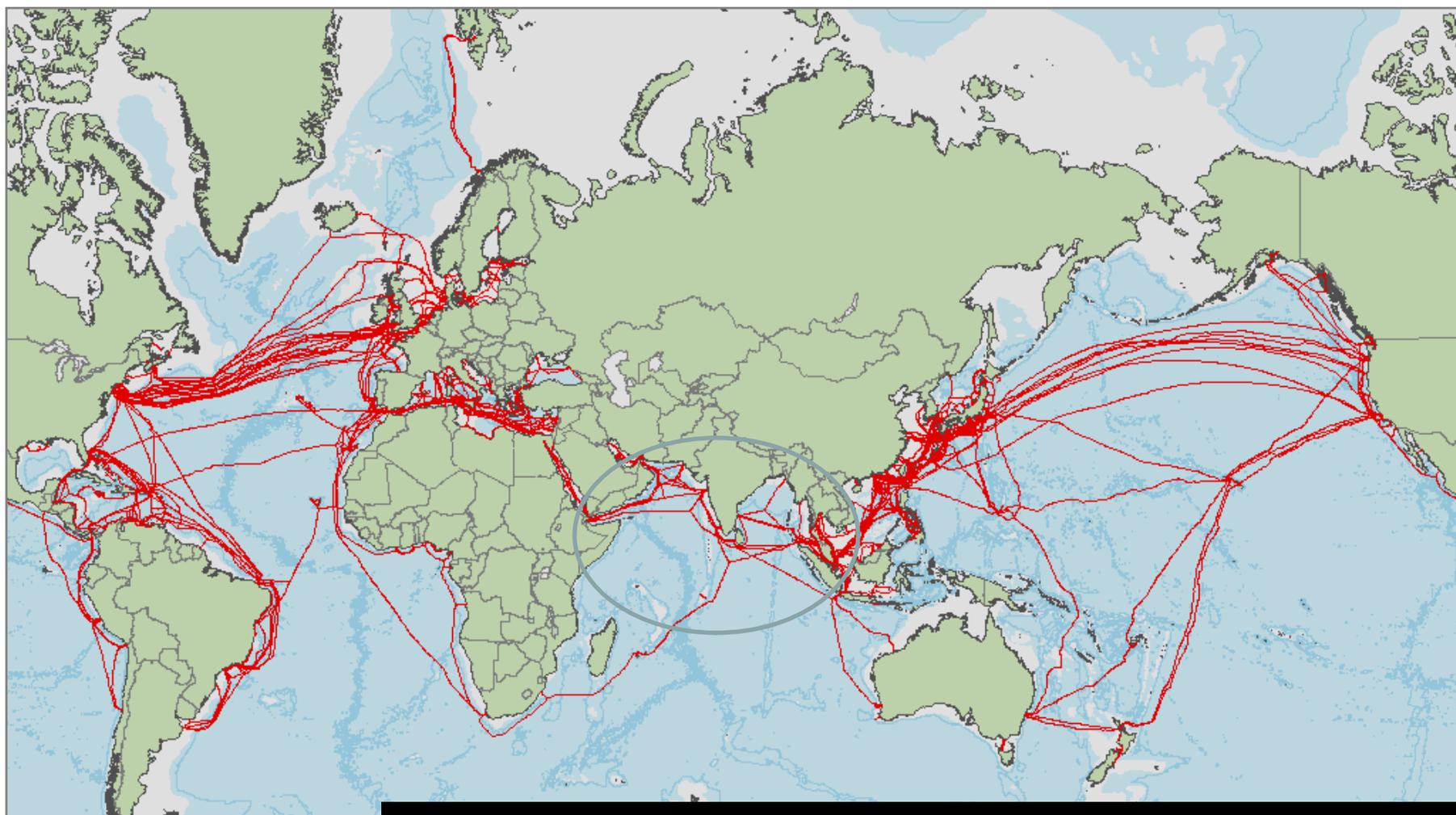
Where we stand: the imperative of regional connectivity

- More region-centric processes of trade, investment, financial, energy, transport flows, including data and voice
- Increasingly Asia-Pacific will rely on itself for economic growth
- ICTs are accelerators of this process
- Growing digital divide in knowledge-networked broadband internet

Infrastructure gaps in Asia-Pacific

- Development of regional digital infrastructure: USD 800 billion financing gap. Underestimation
- ICT as a metainfrastructure
- Broadband gaps in access speed, reliability, affordability
- Access: 5.09% of population in region's developing countries
- Speed: high growth in volume of data traffic and direction (intra-Asian) leading to slowdown in transmission speeds
- Reliability: disruption to services due to submarine cable cuts, increased frequency and scale of disasters
- High costs: 5 times costs in US/EU,, key challenge is how to reduce international backhaul costs for all operators, not just incumbents

International Submarine Cable Network



Indian Ocean has fewer cables than the Atlantic & the Pacific

Source: *Global Marine Systems Ltd*

Asia has less cables on land, compared to Europe & N America

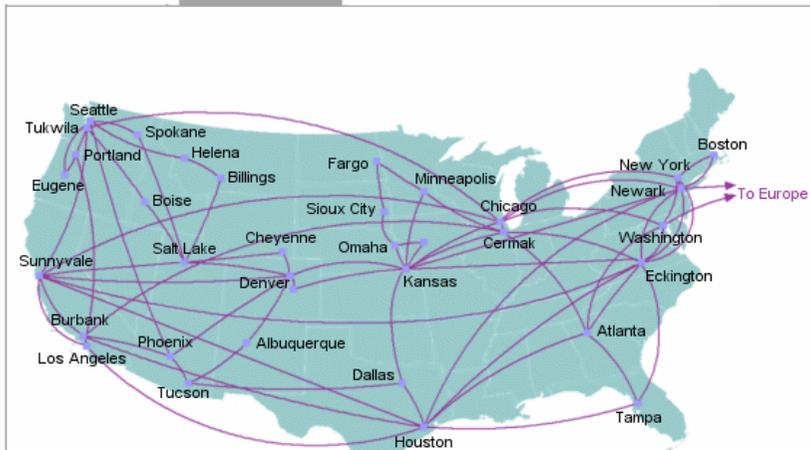
Biggest barrier to broadband

Poor competition



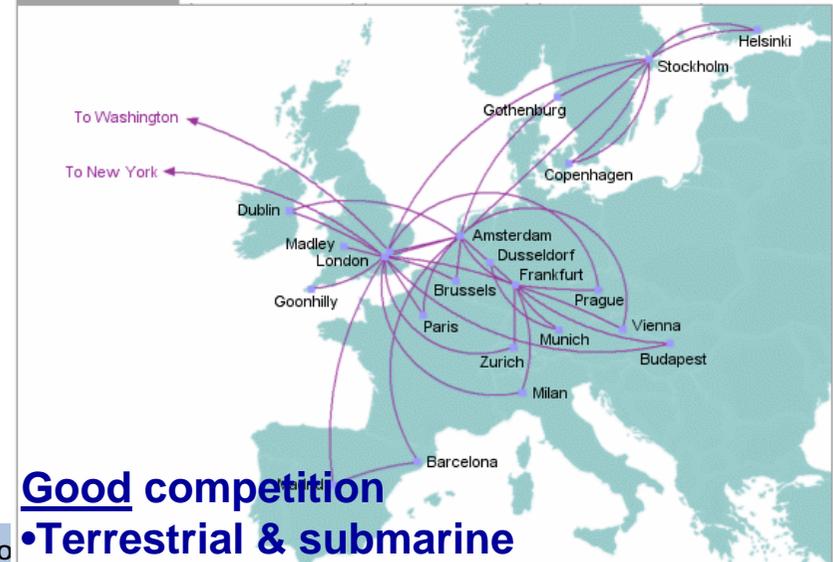
Mostly submarine

North America



Fierce competition
•Coast-coast terrestrial

Europe



Good competition
•Terrestrial & submarine

Terrestrial fibre optic initiatives: regional situation

- Information is incomplete, scattered, kept by private sector investors, or available at high fees
- A number of Information Superhighways aimed at providing transnational land-based connectivity underway
 - TASIM (Trans Eurasian Information Superhighway) led by Azerbaijan Government, with multistakeholder Connectivity Alliance
 - ADB funded SASEC and GMS initiatives
 - ASEAN Broadband Corridor under ASEAN Masterplan on Connectivity

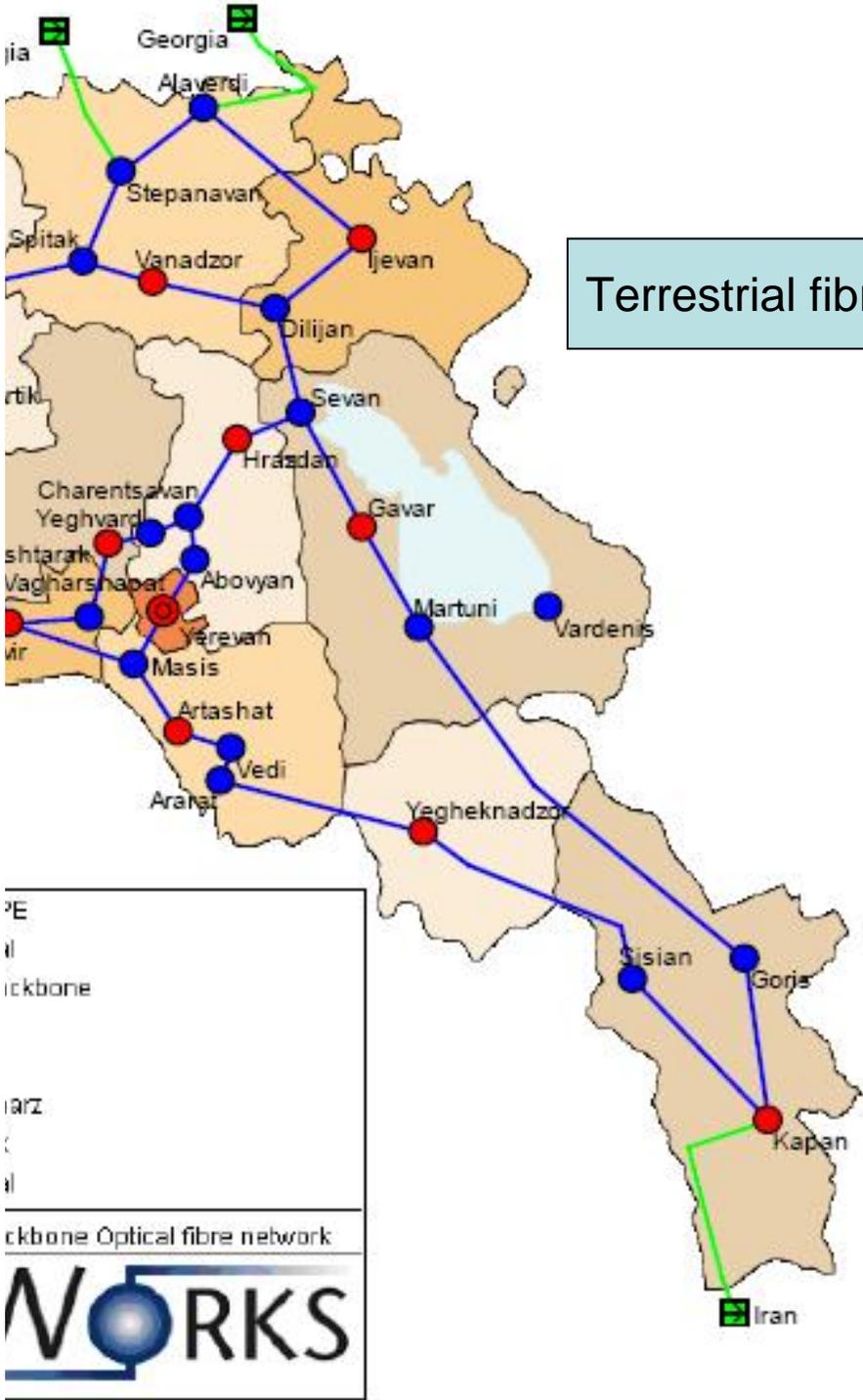
Terrestrial fibre optic initiatives: regional situation

- **Private-Public sector initiatives:**

- India-China direct terrestrial cable link with investment by Reliance Communication and China Telecom
- PHI, JPN, HK, Taiwan PoC, SIN, MAL, with investment by Digitel Crossing BI Group
- Pakistan-China, under consideration, with deployment of fibreoptic cable along the routes of the ESCAP Transasian Railway Agreement linking Karakorum Pass to Gwadar

- **No regional map showing cross border connectivity**

Terrestrial fibre optic cables: Armenia



预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_7446

