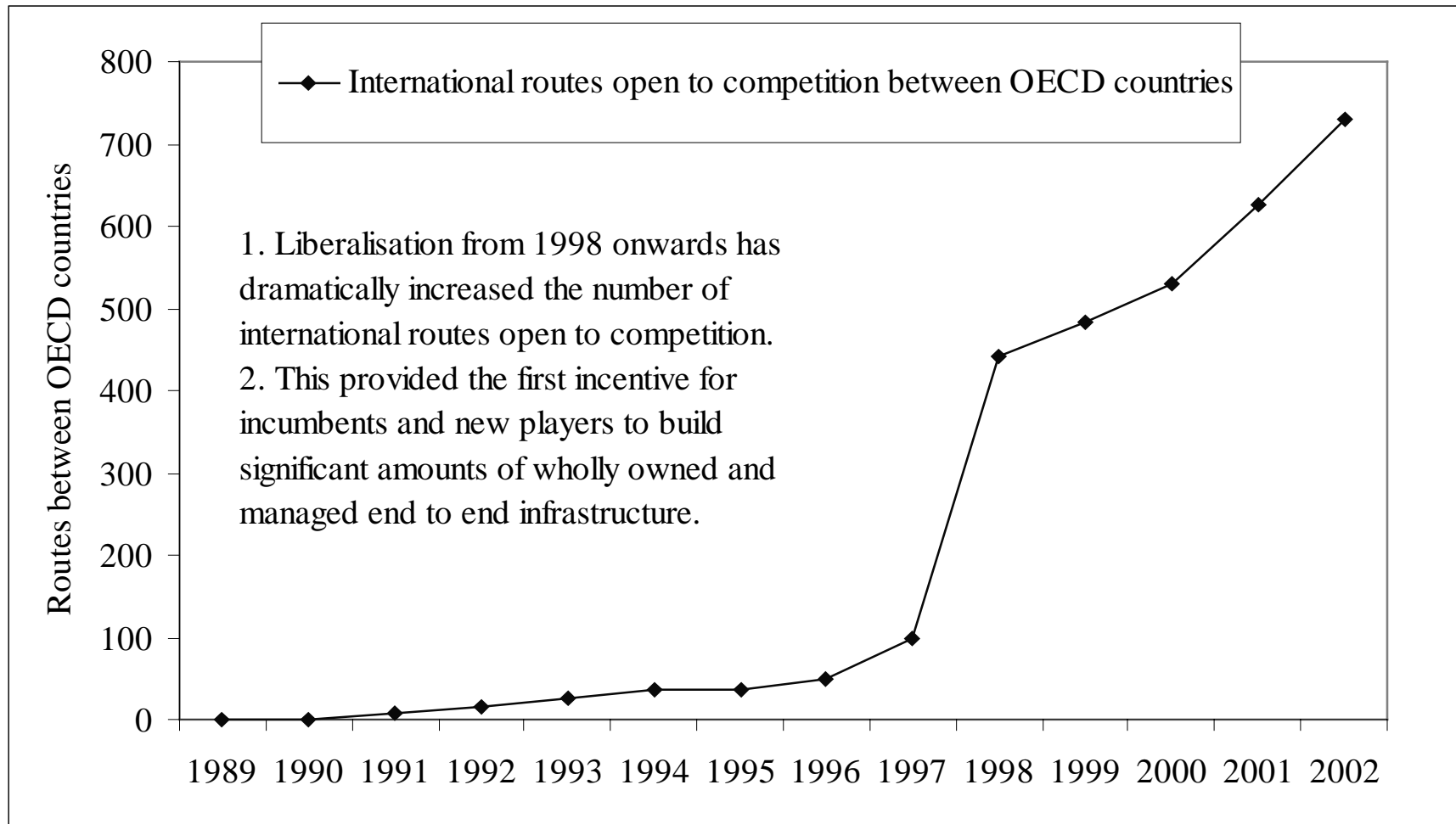
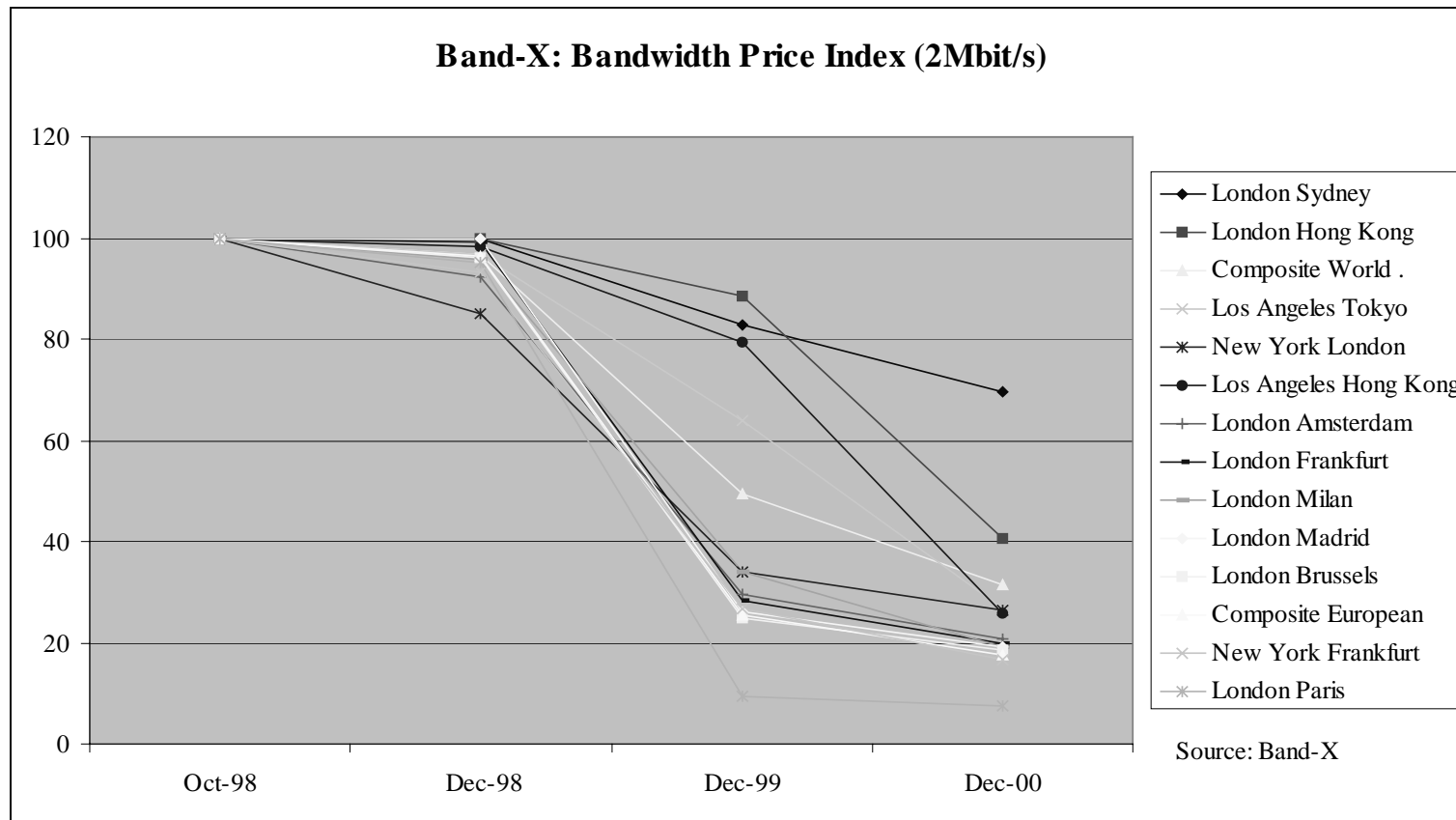

OECD Workshop on Internet Traffic Exchange 7-8 June, 2001

Liberalisation is driving changes in OECD area



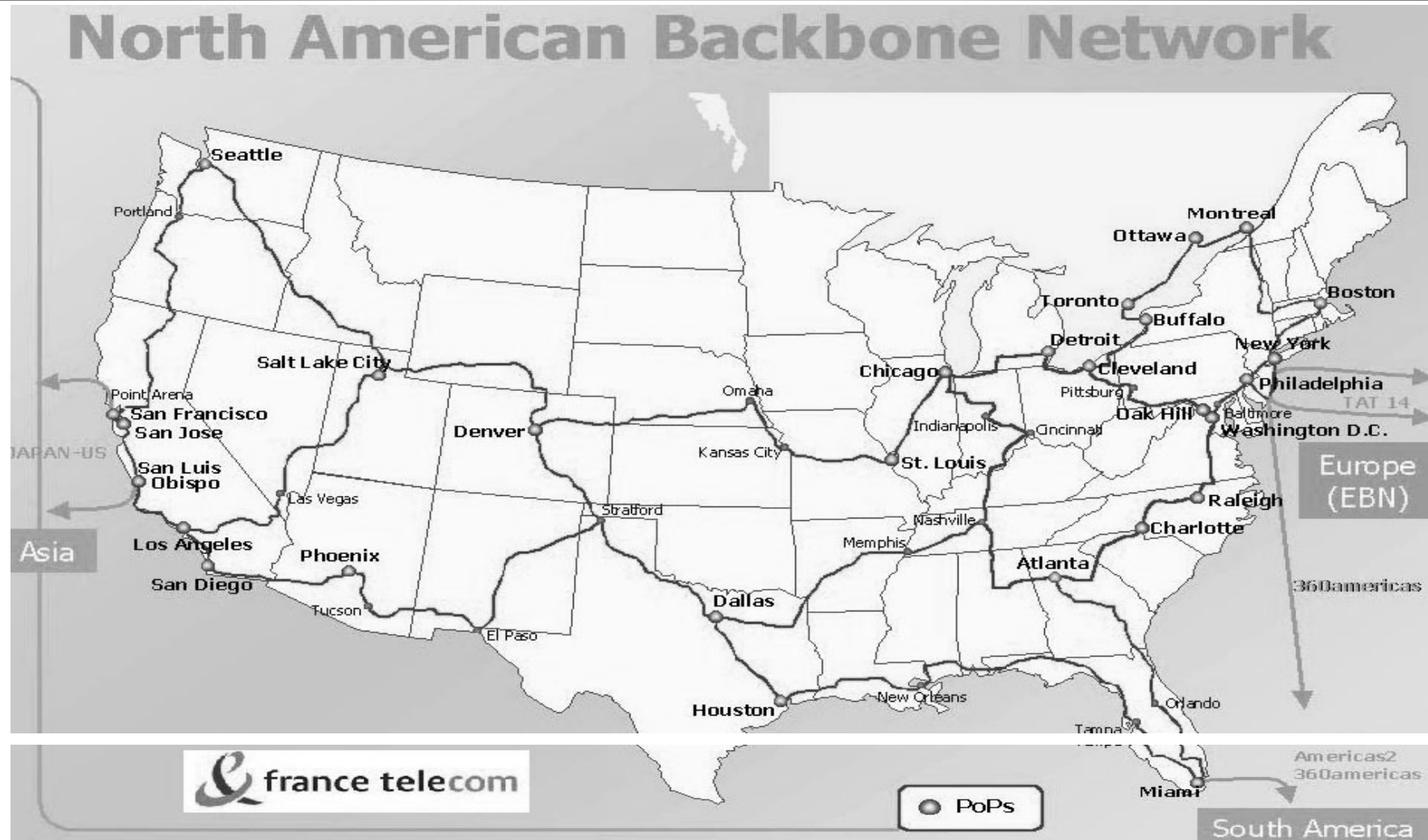
Liberalisation is driving down bandwidth prices



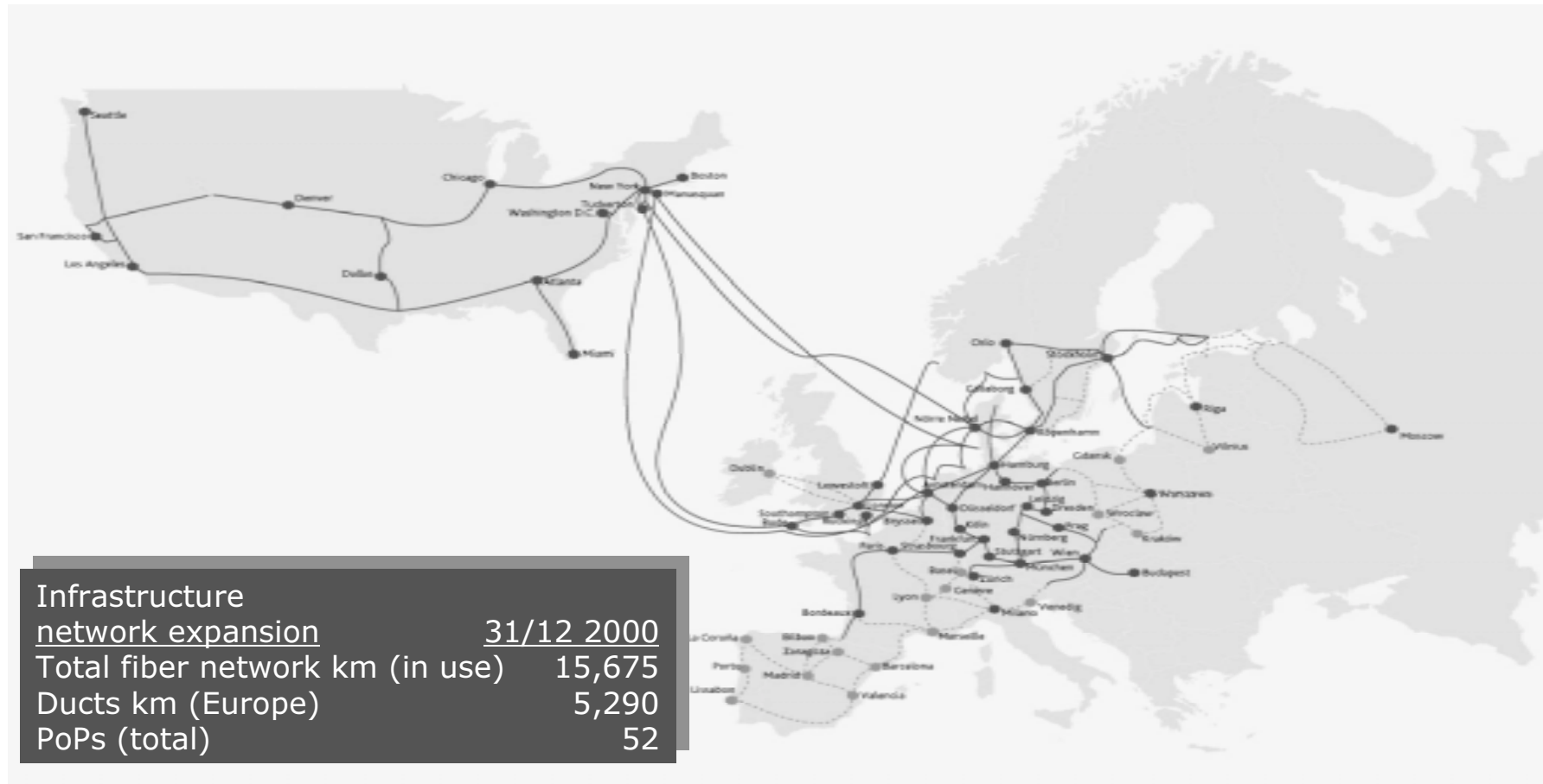
The result - Carriers are putting together end to end networks -Why?

- Avoid paying monopoly rents by either providing their own infrastructure or being in a better position to strike commercial deals for peering/transit.
- Provide seamless services for customers and improve/guarantee levels of service quality.
- Someone else will!

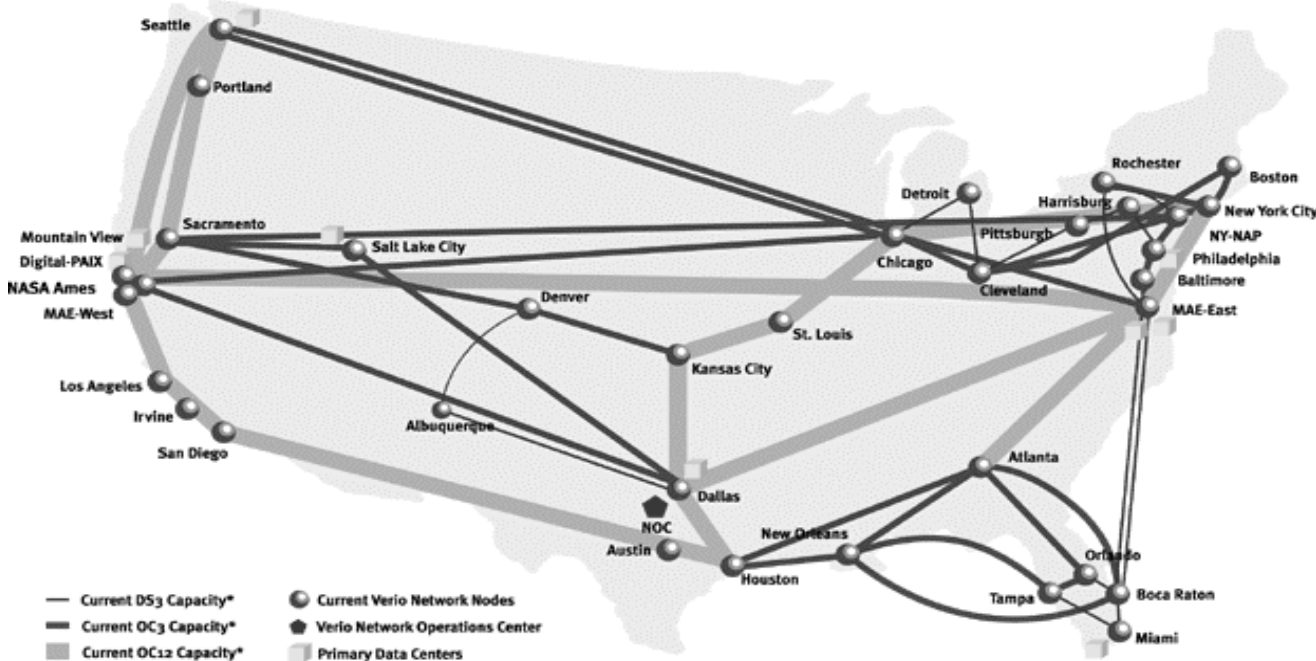
France Telecom has purchased 'dark fibre' from Level3 for its US Backbone



Telia has swapped capacity to put together a US backbone!



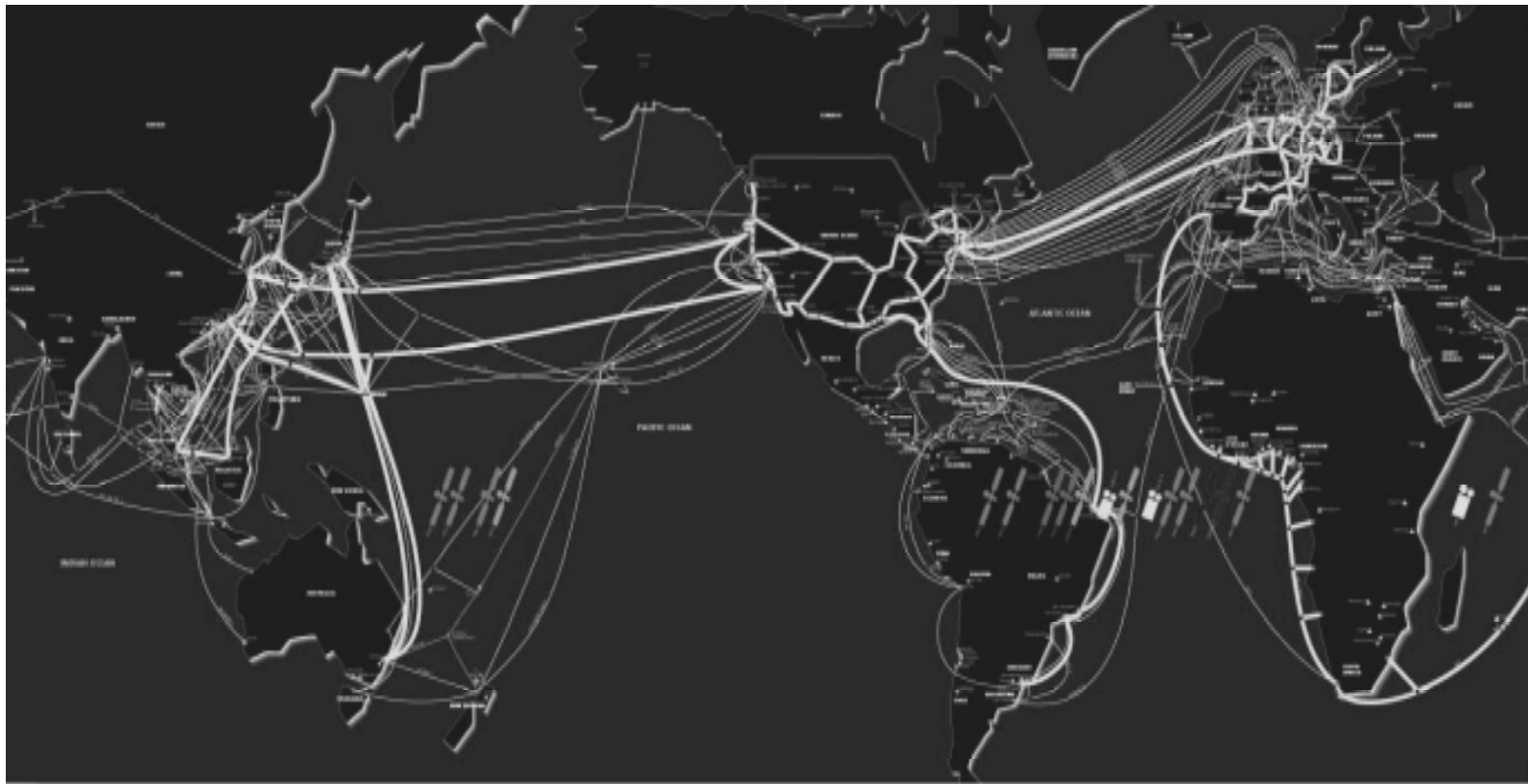
NTT purchased Verio's Network for its US backbone



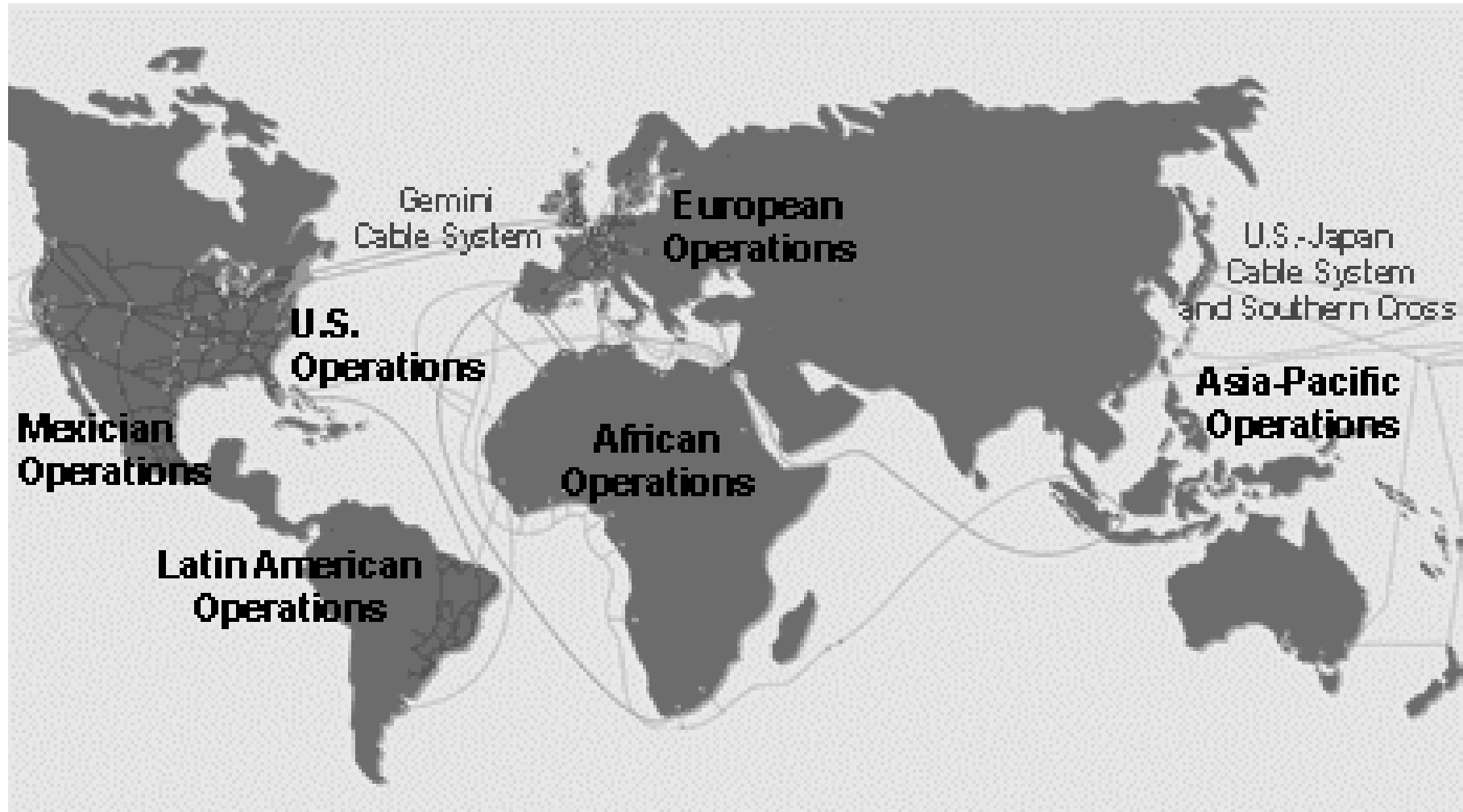
Telstra owns 20% of DynegyConnect which has a US backbone to connect to its Asia Pacific 'Reach Network'



Teleglobe goes global



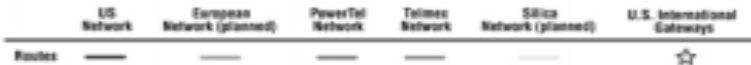
Worldcom around the world



Williams Network



Global Network Services



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OECD

Some examples infrastructure strategies for end to end service provision

- Joint Ventures - KPN & Qwest, BT & AT&T, Telstra and PCCW.
- Swap regional capacity - Telia & Williams, Teleglobe and Telecom Italia.
- Buy capacity - France Telecom, Teleglobe and others from Level3 and so forth
- Buy the company - NTT & Verio, Teleglobe & Excel, France Telecom and Equant.
- Buy share in a company (Telstra - Dynegy Connect, Telmex - Williams).

Part II

- What does this mean for developing countries?
 - » ... to be continued in Session 3.