

Broadband Internet Infrastructure and International Connectivity: Status and Future Plan

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Agenda

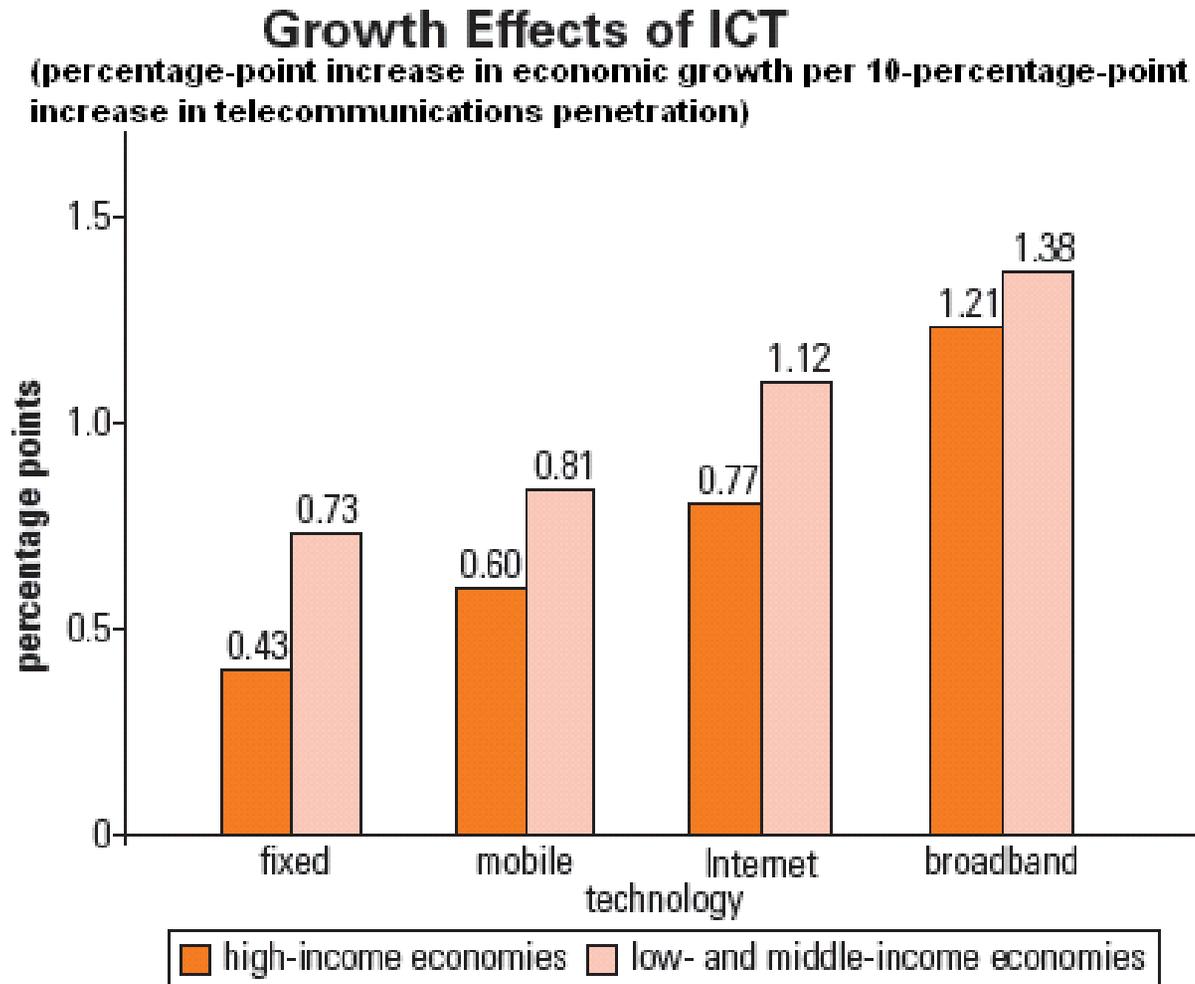
- Role of Broadband in Empowerment
- Broadband Status in India
- Future Plan
 - National Optical Fiber Network
 - National Information Infrastructure

Role of Broadband in Empowerment

- Broadband can empower lives both in urban /rural areas
- In India, greater impact in rural areas where ~70% people
 - Key sectors: Health, Education, Governance and Democratization of information, Livelihood and employment opportunities
- Broadband touches Bottom of Pyramid: through convergence, policy, regulation & action

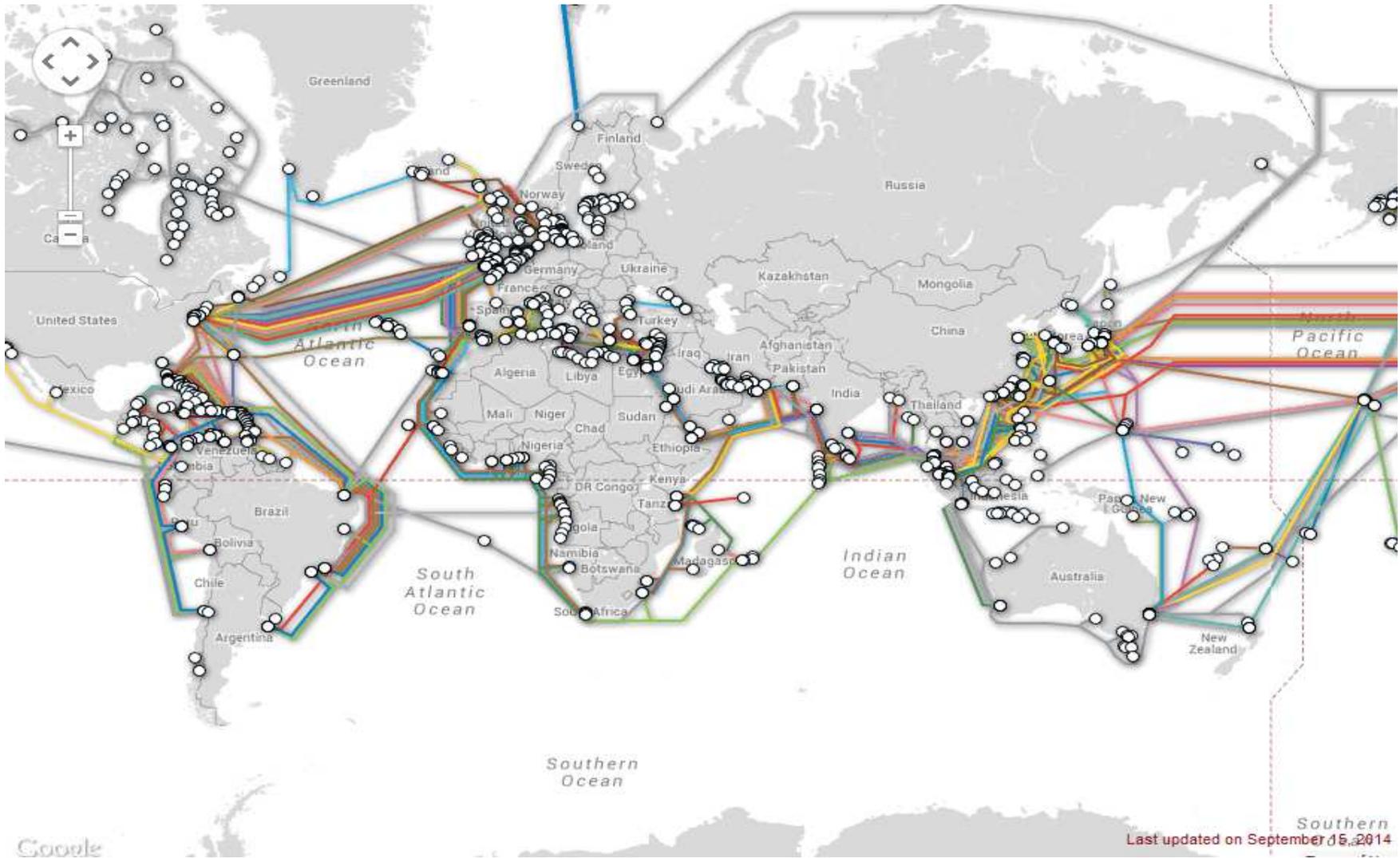
Impact of Broadband on Economy

Studies indicate that there is 1.38 % increase in GDP for every 10 percentage point increase in broadband penetration.

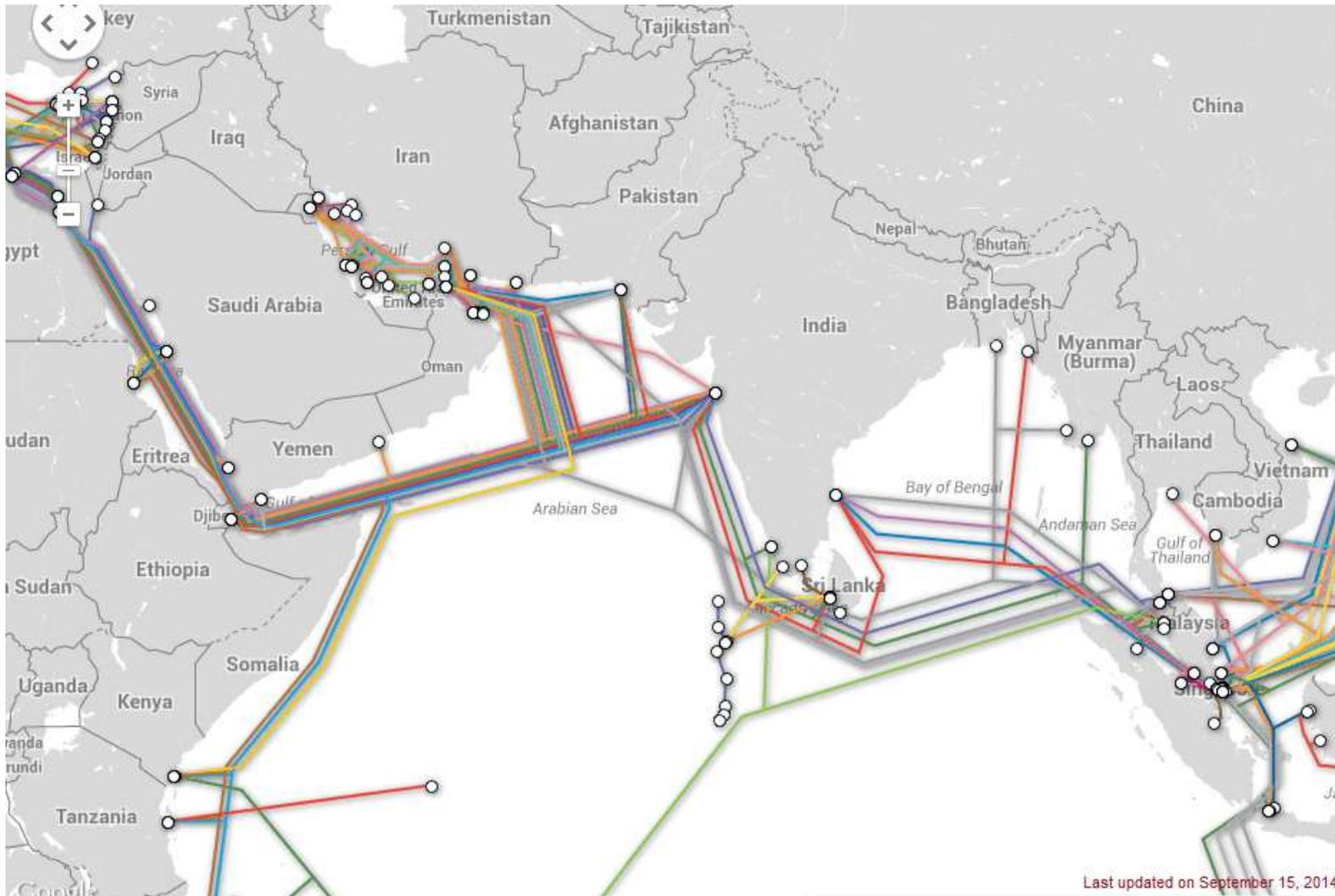


Source: World Bank

Submarine Cable Map of World



Submarine Cable Map of India



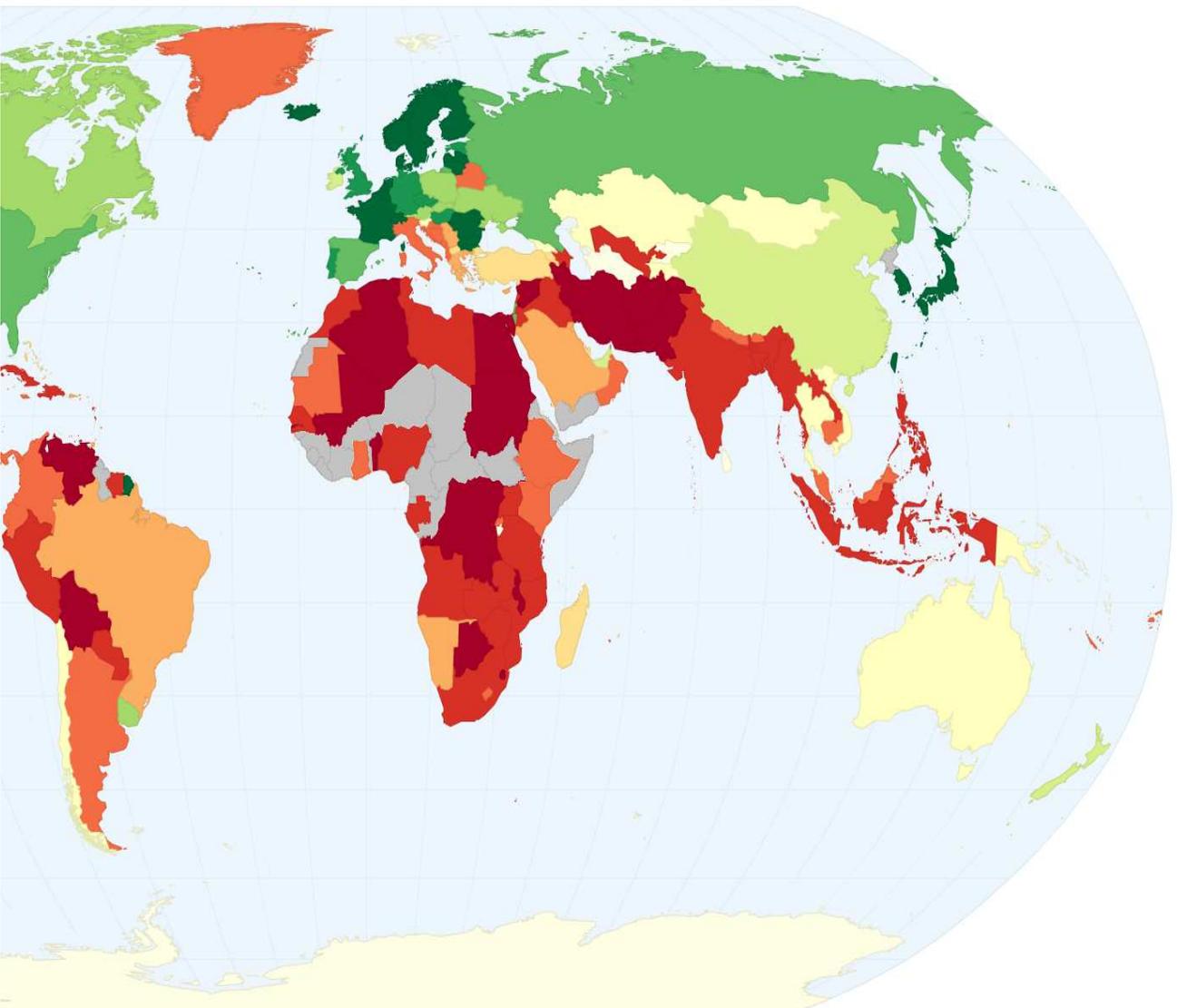
Existing Fibre In India

Service Provider	Total Fibre Laid	Cities / Towns Covered	Metros / Tier I Cities*	Other Cities / Towns	Gram Panchayats	Mid Sized Villages	Small Villages
 BSNL	814,755 RKm**	All cities & 28 K gram panchayats	●	●	◐	○	○
 Reliance	180,000 RKm**	44	●	◐	○	○	○
 Airtel	126,357 RKm**	130	●	◐	○	○	○
 Tata Communications	40,000 RKm**	00	●	◐	○	○	○
 RaiTel	37,720 RKm	800	●	◑	◐	○	○
 PowerGrid	21,852 RKm	110	●	◐	○	○	○
 GAILTEL	13,000 RKm	200	◑	◐	○	○	○

Level of Backbone Infrastructure Coverage : Very High ● High ◑ Medium ◐ Low ◒ No Coverage ○

Source: Analysis Mason⁵⁵

Average Download Speeds



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https://www.yunbaogao.cn/report/index/report?reportId=5_5038

