

A Proposal for the AP-IS Initiative

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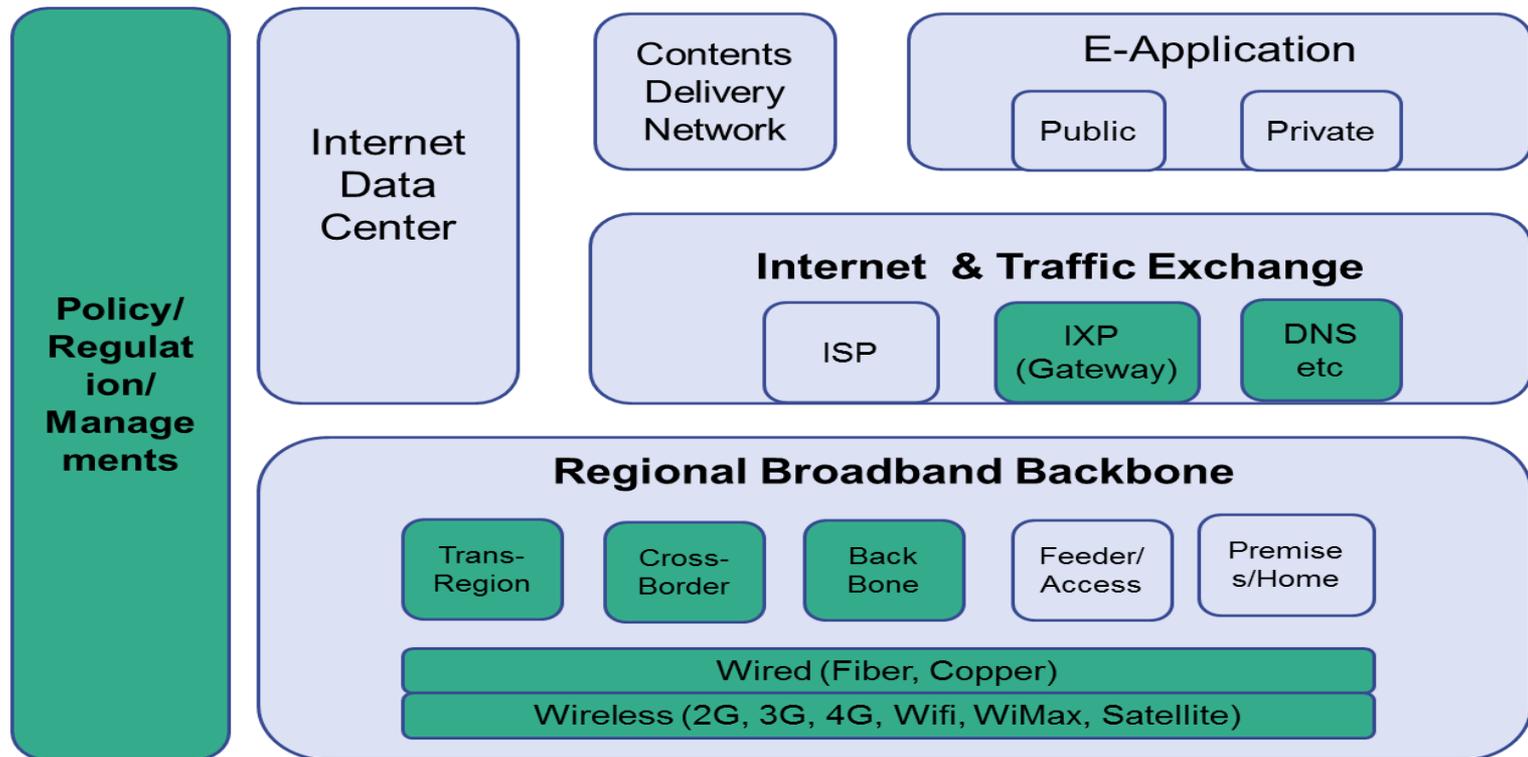


미래창조과학부

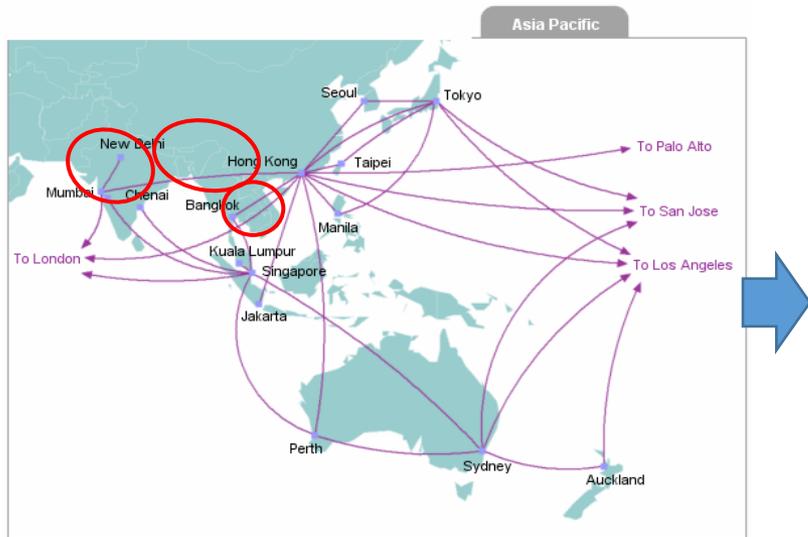
Ministry of Science, ICT and
Future Planning

Main Components of AP-IS

- ❑ AP-IS concept should be considered under the whole framework of broadband ecosystem and Two main components could be extracted necessary for regional cooperation (green boxes)
 - ✓ 1) Regional broadband backbone connectivity including regional, cross-border, and domestic backbone related to regional connectivity (Layer 1-2)
 - ✓ 2) Regional Internet exchange connectivity including IXPs, submarine cable landing stations and terrestrial cross-border connection points (Layer 3)

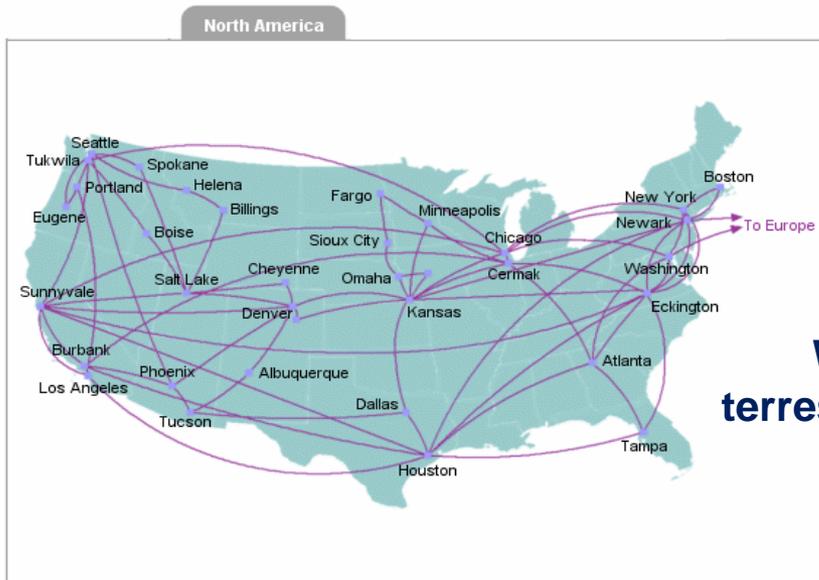


Landscape of Regional Broadband Backbone Connectivity

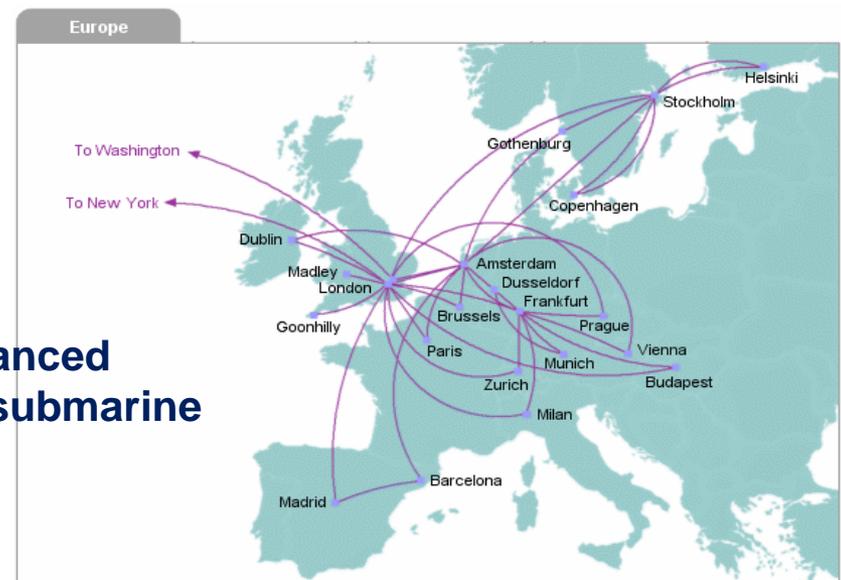


✓ **Well-developed and market-driven submarine backbone connectivity**

✓ **Underdeveloped cross-border/sub-regional terrestrial connectivity: Missing, Insufficient, not-integrated links in ASEAN, South, North & Central Asia sub-region**



**Well-balanced
terrestrial & submarine**



Landscape of Regional Internet Exchange Connectivity

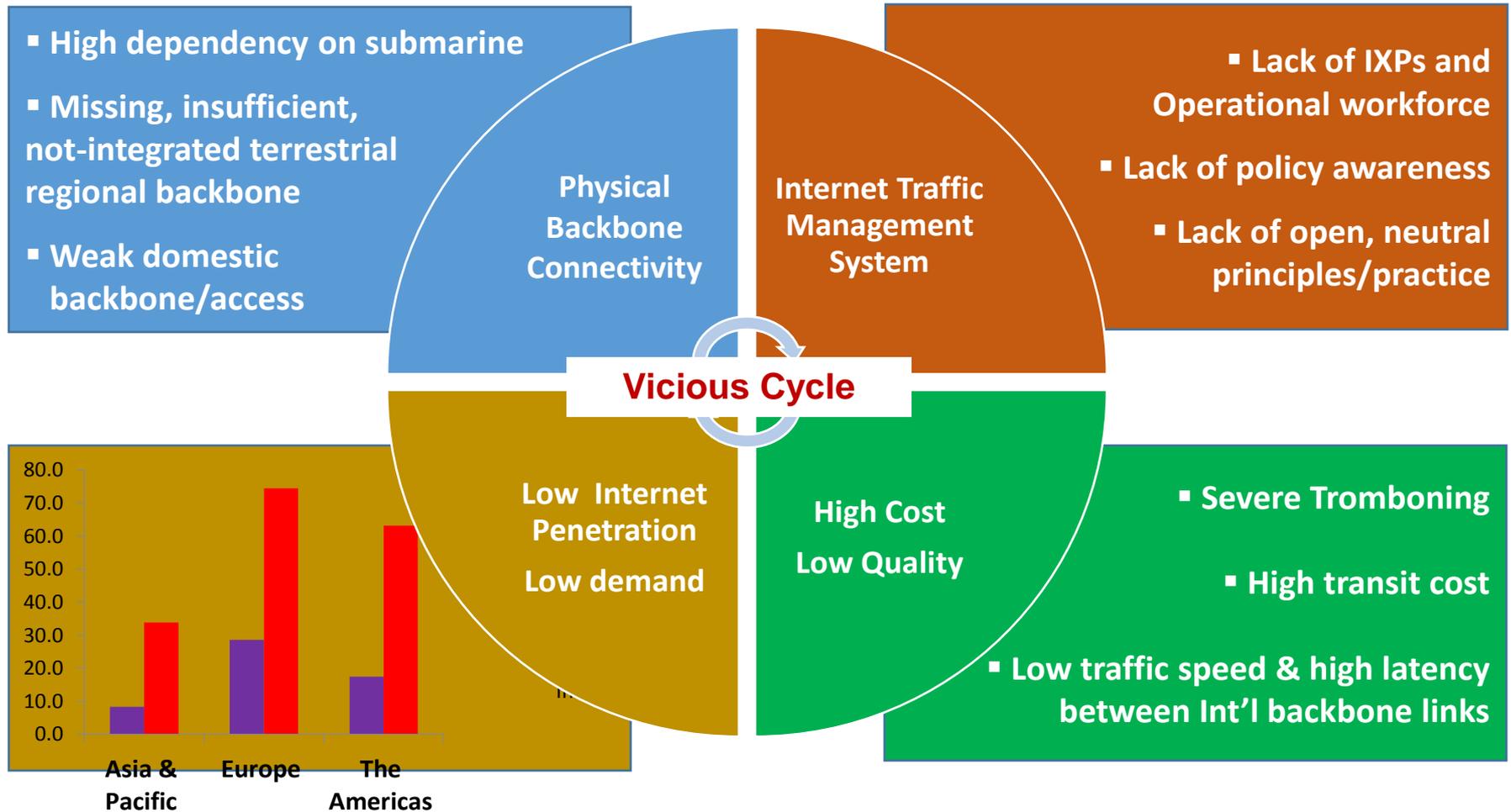
- ❑ Insufficient, inefficient Internet traffic exchange & management systems
 - Lack of IXPs, operational workforce and policy awareness /harmonization
 - Lack of open, neutral, non-discriminatory market principles/practice

IXPs Around the World



Source: TeleGeography World IX Map, <http://www.internetexchangemap.com/>

Summary of Regional Status and Results

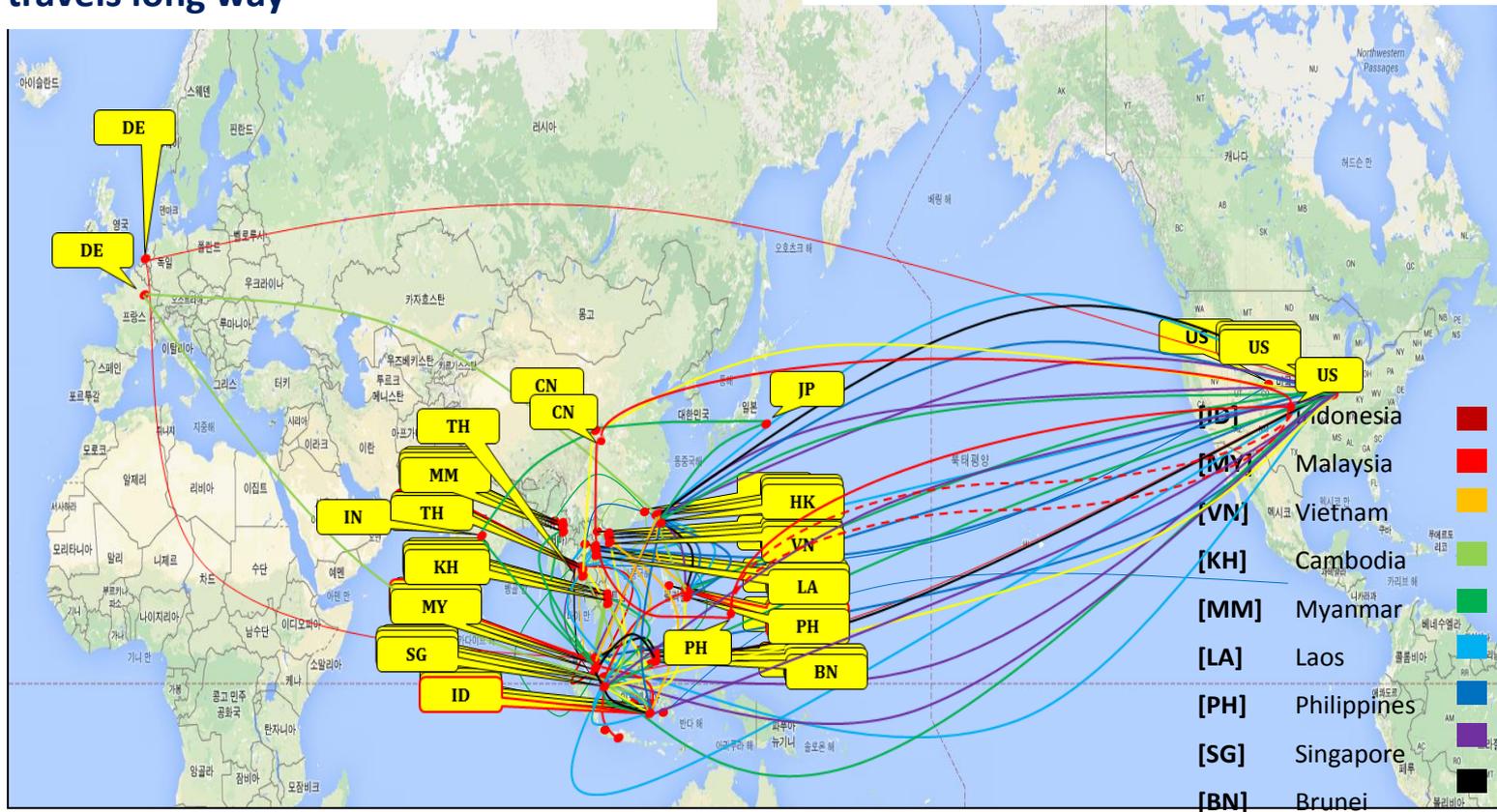


- Fixed BB subscription * ITU 2014 (per 100 inhabitants)
- Individual using the Internet

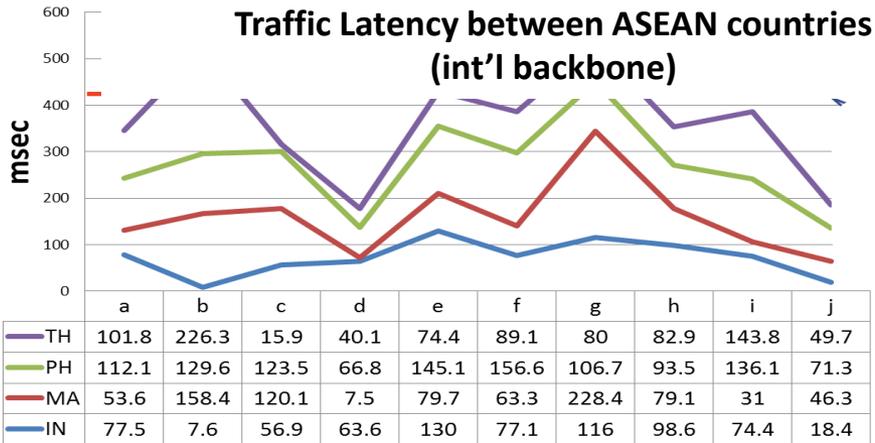
Regional Traffic Quality and Cost: ASEAN case

Severe Tromboning: traffic routes among ASEAN are unnecessarily long and out-bounded . In some countries, even domestic traffic travels long way

How to keep regional traffic within?
: Develop more direct links and efficient Internet exchange/management system



Regional Traffic Quality and Price: ASEAN case



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_4119

