

# **Improving broadband connectivity in Central Asia - The Asia-Pacific information superhighway**

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for Asia and the Pacific (ESCAP)**

## Outline

1. Broadband connectivity and development
2. Central Asia Challenges regarding broadband
3. ESCAP Asia-Pacific information superhighway
4. Way forward

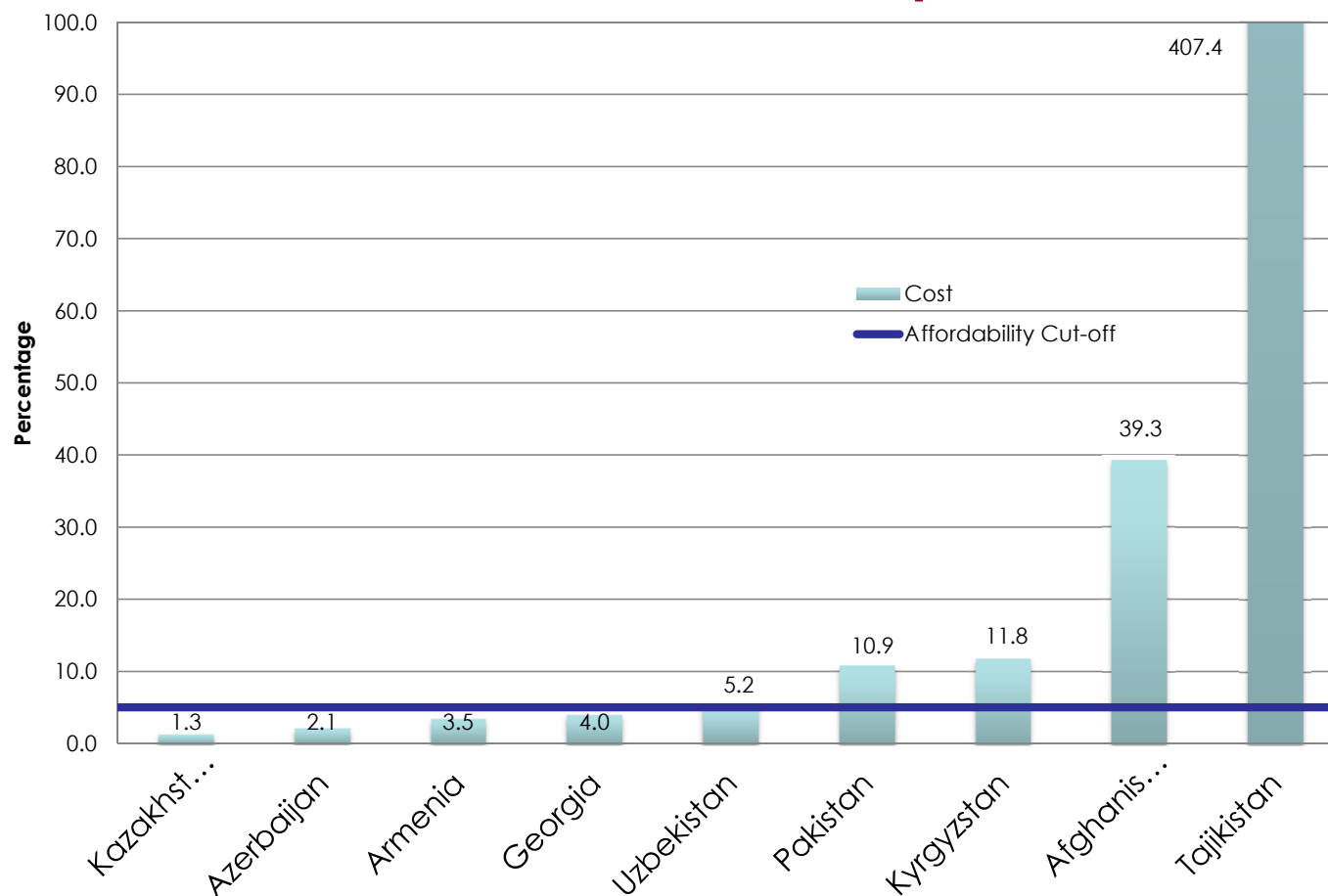
## **ICT & Broadband: key ingredients to development**

- ICT play key contribution in sustainable development (economic, social, environmental impacts)
- Mobile phone revolution has had a transformational impact in ESCAP (106%), mobile broadband doing well in Kaz (57%), Azb (43%), 18% for ESCAP developing.
- Landlockedness is no fatal handicap when it comes to ICT, it should therefore constitute a priority
- However, potential not fulfilled for broadband penetration remains extremely low in subregion, with few exceptions
- Danger that subregion misses out on broadband revolution

## **Digital divide in broadband handicaps the region**

- ESCAP research shows that prices, in particular for international internet transit are among the world's highest in some countries of the region (often over \$100 per MBps/month)
- Bandwidth per capita is limited and internet service markets relatively uncompetitive in many ESCAP countries
- Results in very unaffordable broadband connections in some countries of the region
- ESCAP/ITU maps of information superhighway also reveal dependence on limited number of terrestrial fiber optic linkages in the region, concerns regarding resilience

## Fixed (wired)-broadband monthly subscription in USD as a % of GNI p.c.







Welcome to the ITU Interactive Transmission Map. Select map layers below and navigate using the icons in the map window.

For help using this application please refer to the Sources & Help section below.

Alternatively, visit the [Google Earth - 3D version](#)

Full details regarding the sources for the data are available via the [TIES version](#). To register for the TIES version please [click here](#)

#### Base Layer

- ☒ UN Map
- ☐ Natural Earth
- ☐ Population density

#### Overlays

- ☐ Range to Nodes
- ☒ Asian Highway
- ☒ Trans-Asian Railway
- ☒ World Transmission Links
- ☒ Submarine Cables
- Satellite Earth stations: available under the [TIES version](#)

#### Line data

Measure distances on the map using the ruler icon in the top-right hand corner of the map window.

#### Legend

#### Sources & Help

#### Legal Notice and Copyright

## Connecting economies and empowering people


<http://www.unescap.org/our-work/ict-disaster-risk-reduction/asia-pacific-information-superhighway/asia-pacific-information-superhighway-maps>



[https://www.yunbaogao.cn/report/index/report?reportId=5\\_4242](https://www.yunbaogao.cn/report/index/report?reportId=5_4242)

预览已结束，完整报告链接和二维码如下：





**Connecting economies  
and empowering people**

## **Role of ESCAP – Asia-Pacific information superhighway**

Causes behind this important digital divide:  
- Information infrastructure lacks capacity and coherence  
- Management (tromboning, IXPs)  
- Governance: Incumbents dominating key structure  
- Circle: low level of local demand result in little investment in transmission infrastructure  
- Mandates includes facilitating regional policy on cross-border issues (trade, transport, ...)  
- ... developed Asia-Pacific information superhighway initiative

ESCAP, Information and Communications Technology and Disaster Risk Reduction Division