

# Digital Strategies, Infrastructure, and Investment CAREC Region's Readiness for Digital Adoption

The 7<sup>th</sup> CAREC Think Tank Development Forum  
16-17 August 2023, Urumqi, the PRC

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Center for Strategic Initiatives Taza Koom & ISOC Kyrgyz Chapter

# Quiz

Who has 50% more Youtube views than BTS and more than Taylor Swift?



## BTS v DBILLIONS

20 billion views v 31 billion views



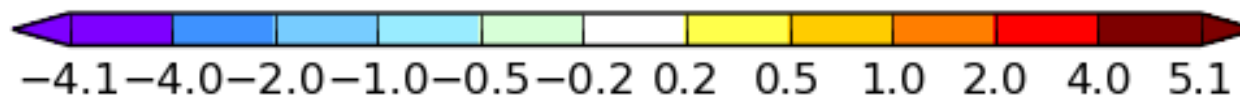
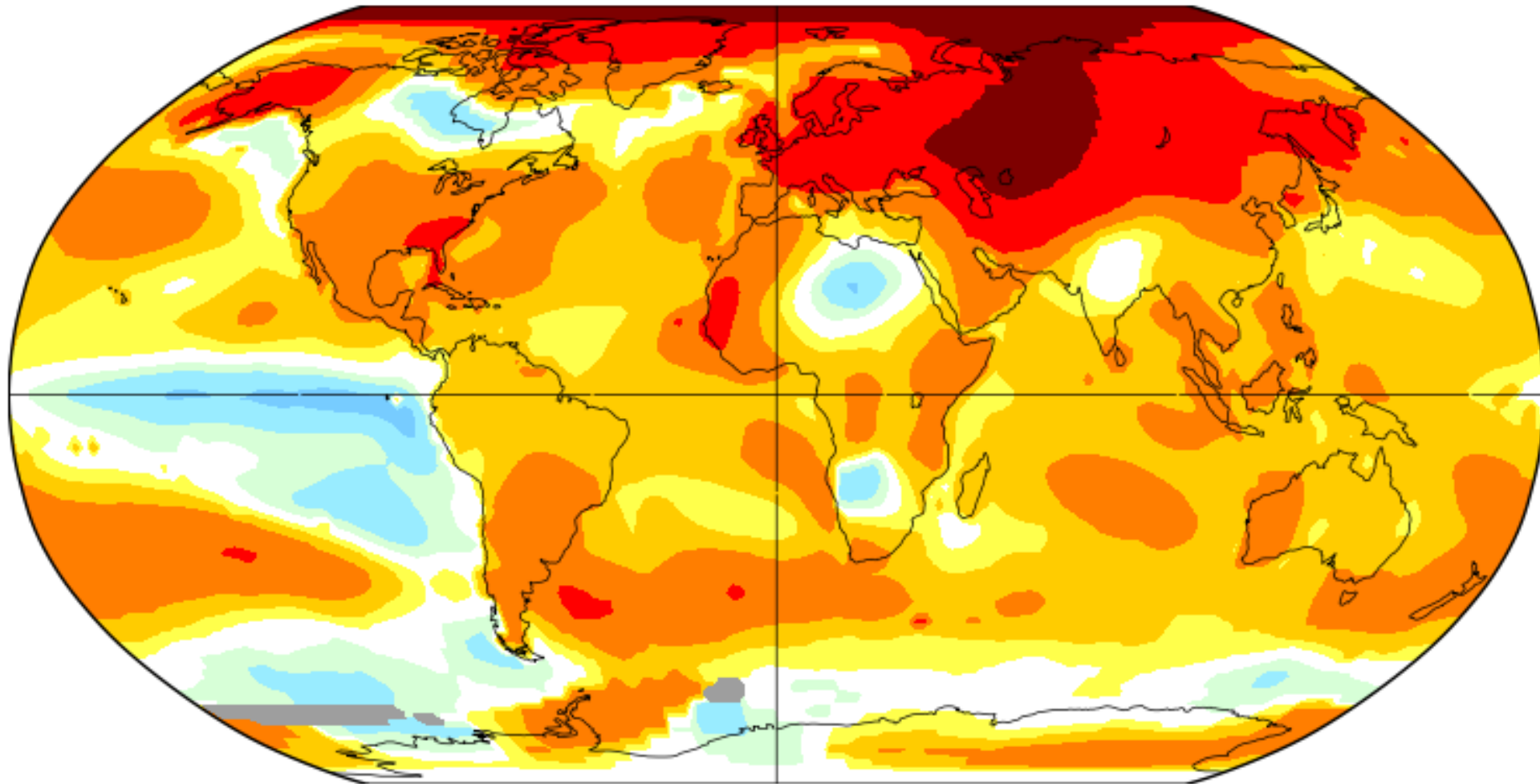
# CAREC Challenges & Opportunities

# Hardest hit by climate crisis

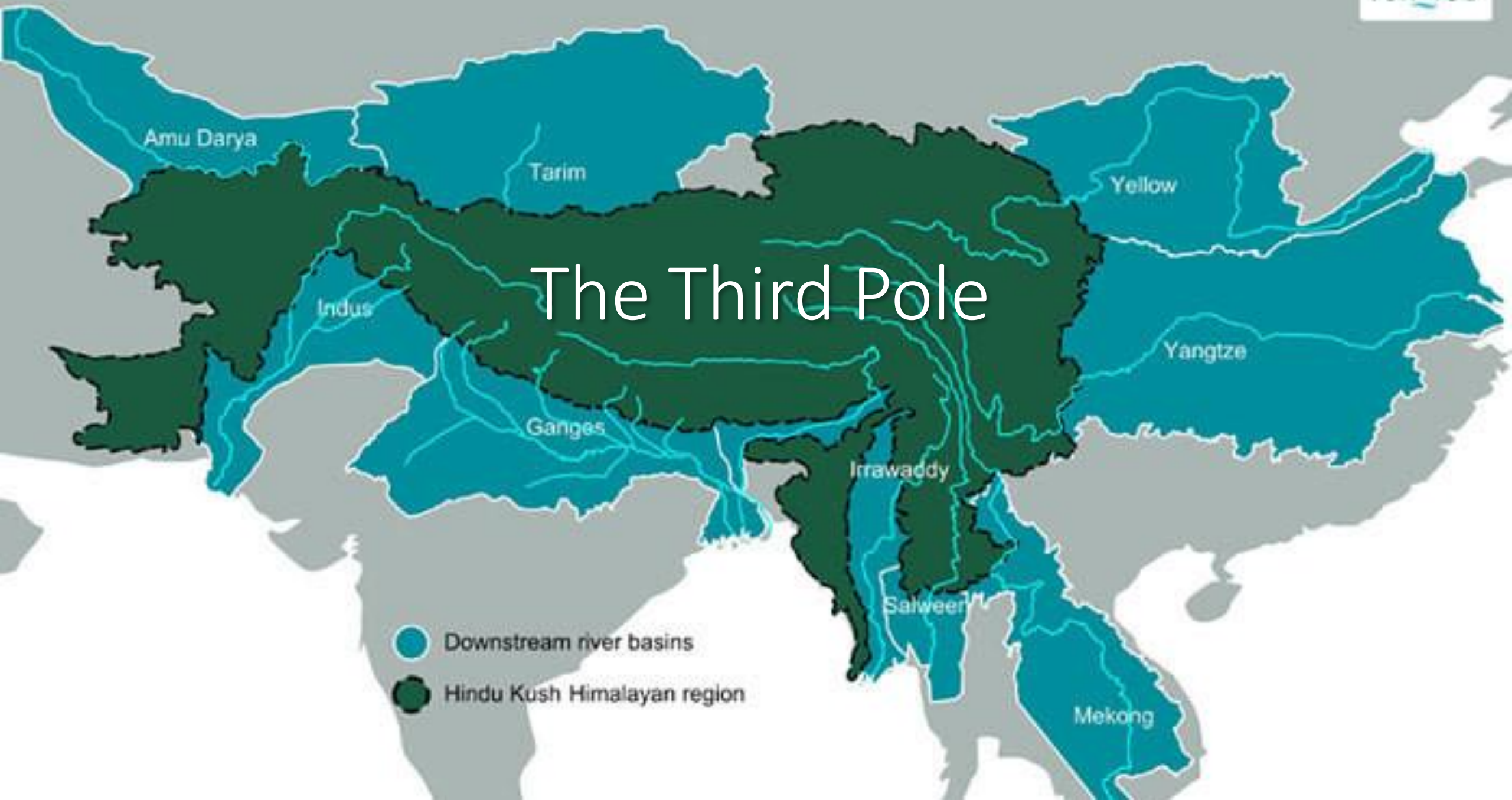
Dec-Jan-Feb 2022

L-OTI(°C) Anomaly vs 1951-1980

0.88



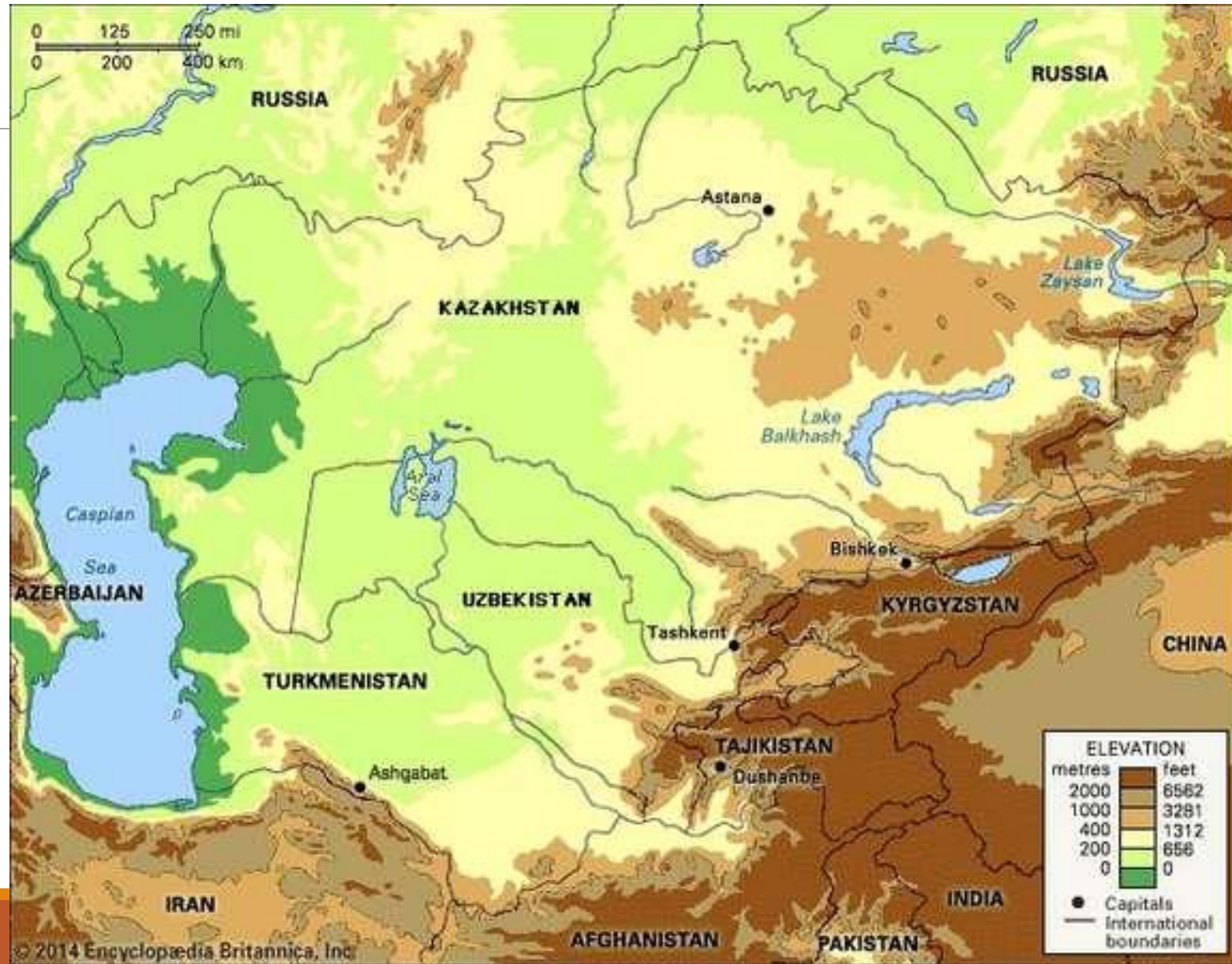




# The Third Pole

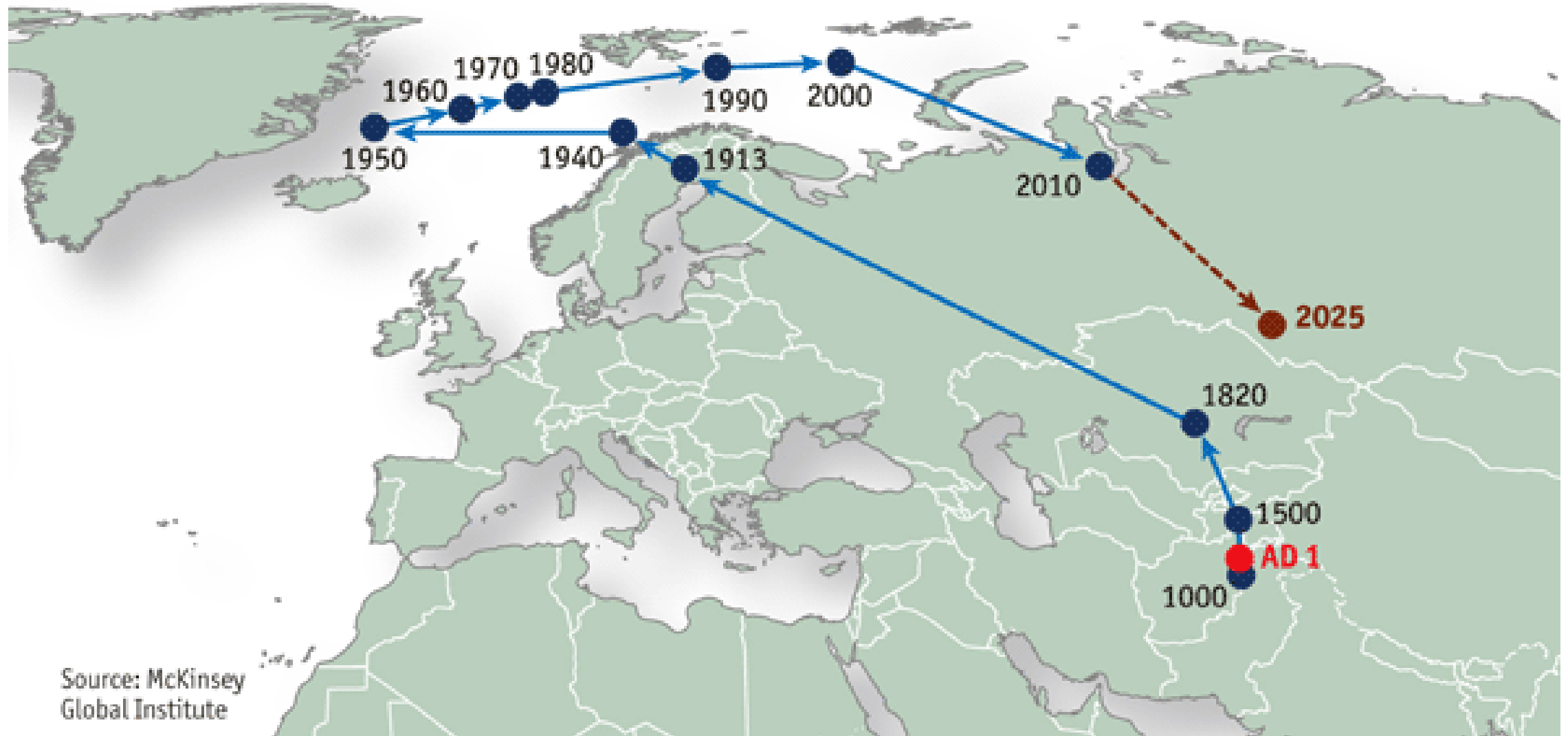
- Downstream river basins
- Hindu Kush Himalayan region

# Complex conditions for connectivity



# Evolution of the earth's economic centre of gravity

AD 1 to 2025

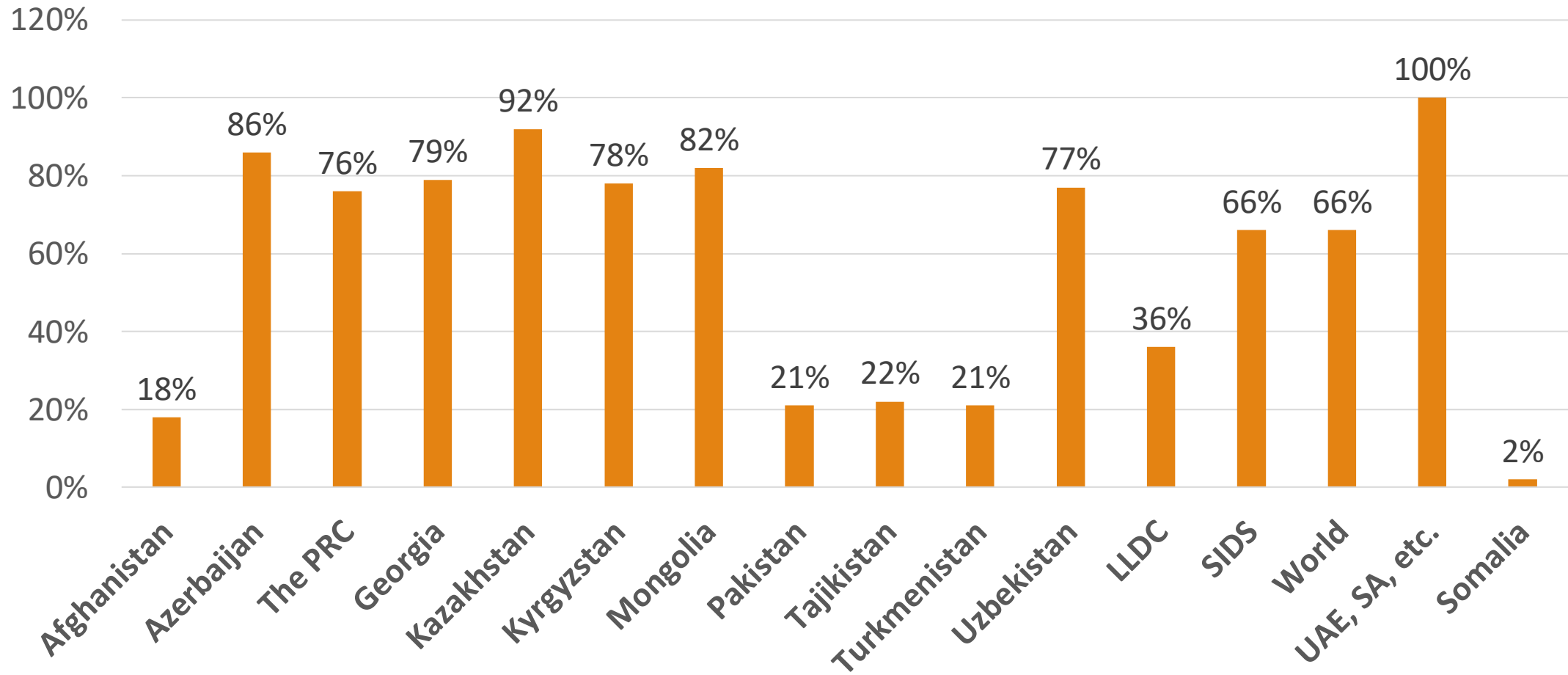


Source: McKinsey  
Global Institute

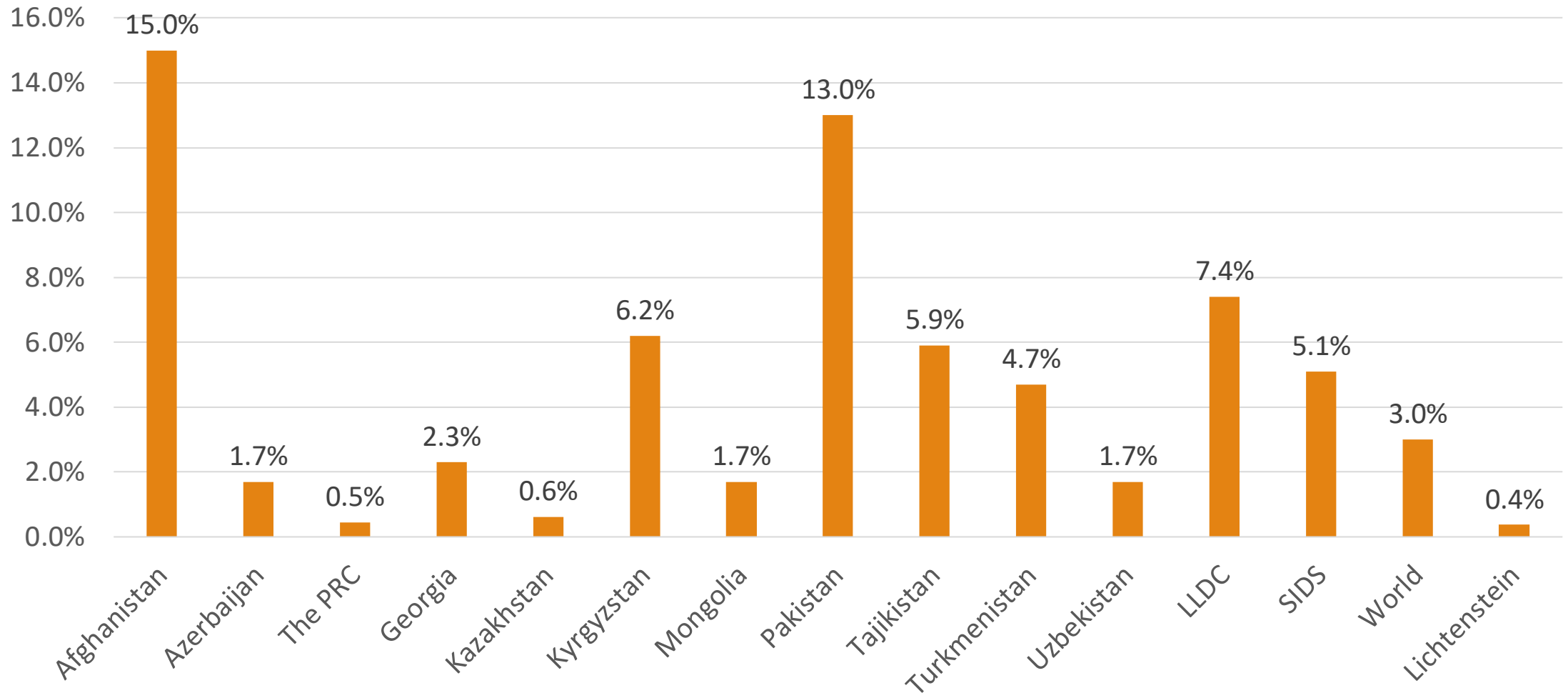


# CAREC: State of Digital Adoption

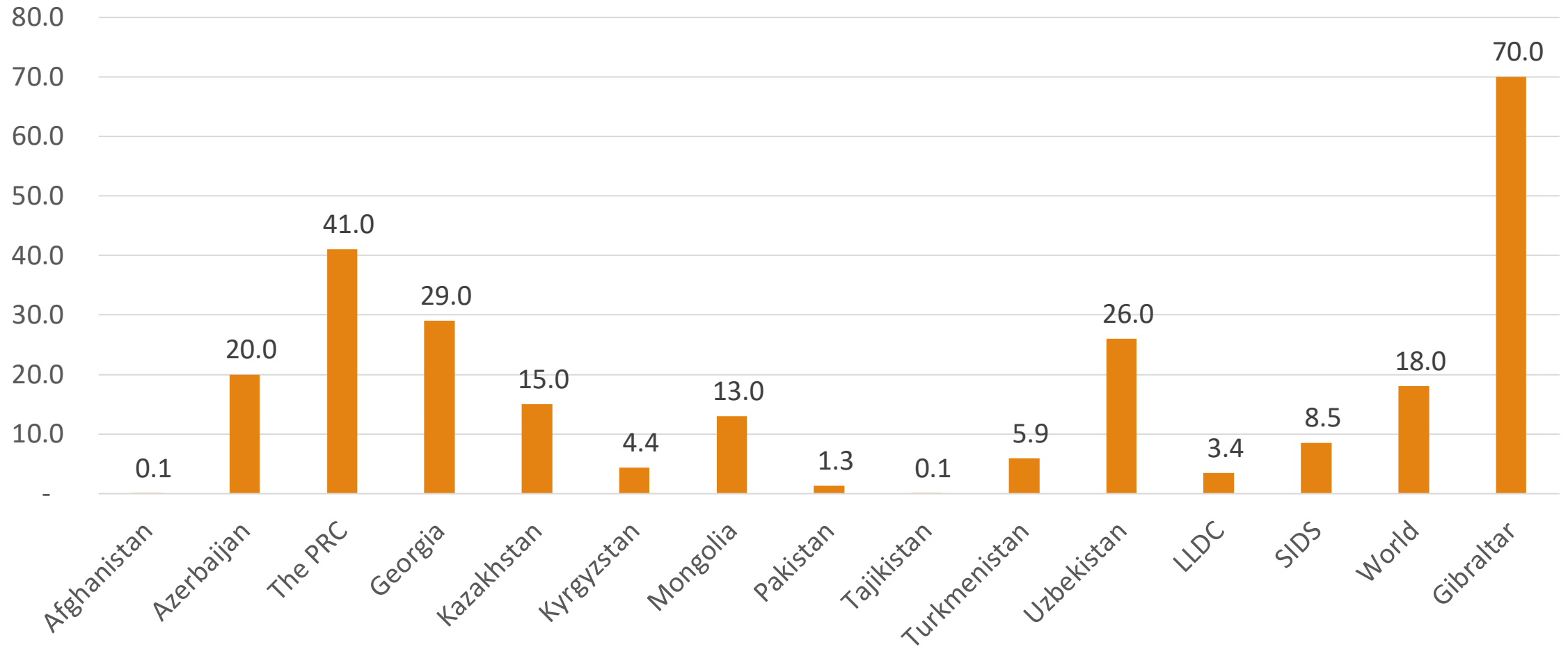
## Individuals using the Internet (ITU)



### Affordability of Fixed Broadband (%GNI pc, ITU)

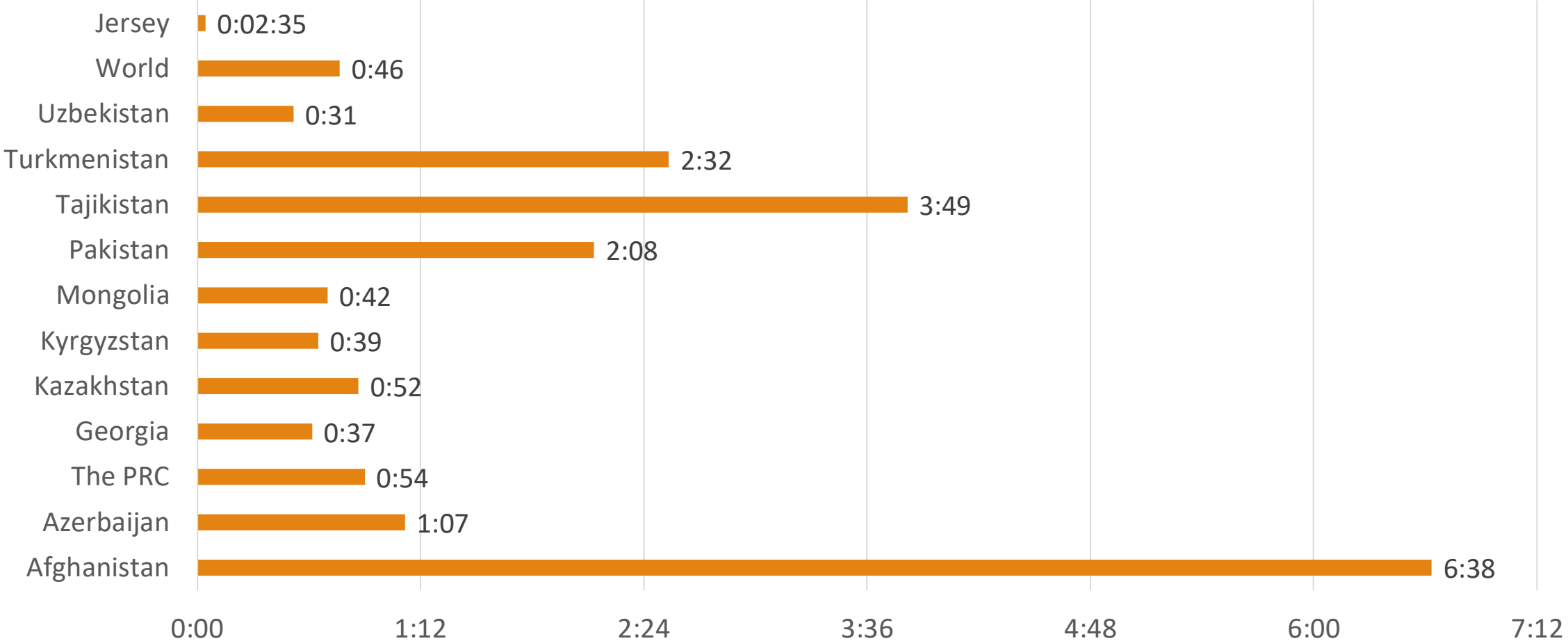


## Fixed-Broadband Subscriptions (Per 100 ppl, ITU)





### Time to download a 5GB movie (Cable.co.uk)



# Digital Adoption in CAREC

Top-down approaches – global/regional programs

# Global Initiatives: BRI – Digital Silk Road



## “一带一路”国际合作高峰论坛 BELT AND ROAD FORUM FOR INTERNATIONAL COOPERATION

2017年5月14-15日 中国·北京

14-15 MAY 2017 BEIJING, CHINA





# CAREC Countries are Among Early Adopters of Digitalization



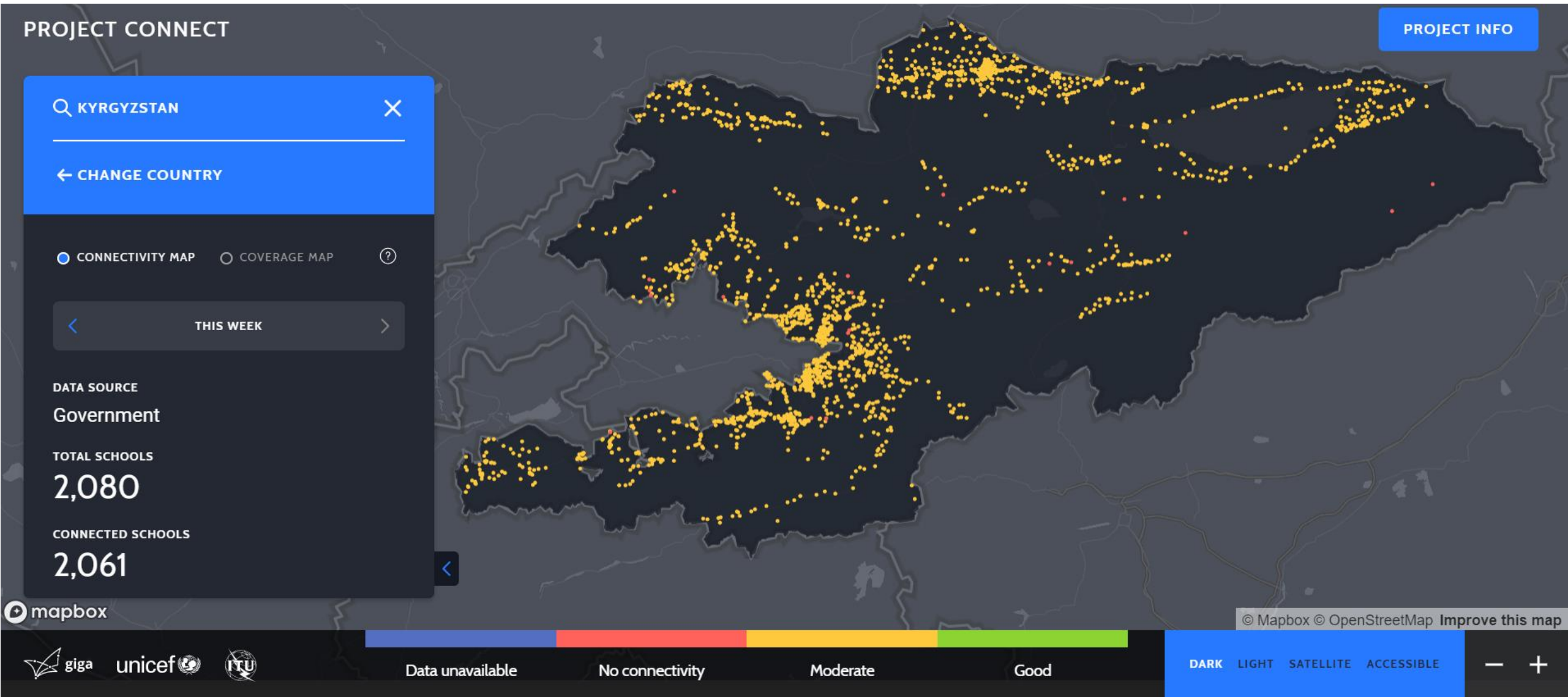


## In Kyrgyzstan, UN chief Guterres highlights importance of governance for sustainable development



UN Photo/Vyacheslav Oseledko | Secretary-General António Guterres speaks at the Taza Koom Conference on Public Service in Bishkek, Kyrgyzstan.

# GIGA Initiative by UNICEF-ITU



How to accelerate digital adoption in CAREC?



# Increase Regional Cooperation in CAREC as Digital Belt, Road, and Bridge







**Build Infrastructure and Set-up Connectivity**  
ISOC & GIGA (ITU/UNICEF Initiative)



# Build Infrastructure and Provide Connectivity (cont'd)







## Provide Devices

IlimBox Offline Digital Library – Internet in a Box





# Educational platform for schoolchildren

- 1st grade
- 2nd grade
- 3rd grade
- 4th grade
- 5th grade
- 6th grade
- 7th grade
- 8th grade
- 9th grade
- 10th grade
- 11th grade

Access to the platform

Username

Password

[sign up](#)

Login using your credentials

---

[Forgotten your username or password?](#)

[New](#)

Available

Course categories:

Русский язык

русский язык 8 класс.  
Interactive, online lesson for

Жаңы тарых

The new epoch is a historical  
epoch that occupies the most

Геометрия

In the first quarter, we will look  
at squares and their types. We

География

Get acquainted with the  
geographical location,

## Develop Relevant Content: IlimBox.kg



# Increase Digital Literacy and Skills Sanarip Insan (EU)

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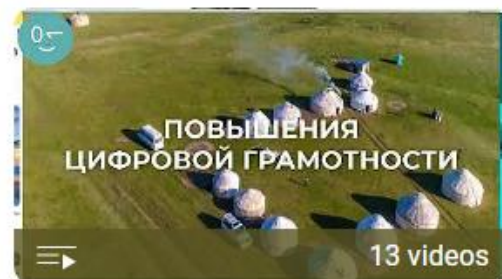


# Increase Digital Literacy and Skills (cont'd)

## Materials for digital skills: e-tourism, e-commerce, e-agro

Created playlists

Sort by



13 videos

Цифровой туризм | Санарип Инсан

[View full playlist](#)



13 videos

“Кыздарга Технологиядагы мүмкүнчүлүктөр” эл аралык...

[View full playlist](#)



10 videos

Мобильная грамотность | MISTT | Санарип Инсан

[View full playlist](#)



13 videos

Санариптешкен Туризм

[View full playlist](#)



21 videos

Онлайн вебинар | Санарип Инсан

[View full playlist](#)



10 videos

Мобилдик сабаттуулук | Санарип Инсан | GSMA MISTT

[View full playlist](#)



2 videos

Tech4Society

[View full playlist](#)



21 videos

Санарип Инсан Подкасты

[View full playlist](#)



122 videos

Санарип Инсан | Sanarip Insan

Updated 3 days ago

[View full playlist](#)



28 videos

ilimbox - билим берүү платформасы

[View full playlist](#)



# Protect Privacy & Personal Data: Tech4Society

TECH  
4 Society

Internet Society  
Kyrgyzstan Chapter

soros.kg



ЮРИДИЧЕСКИЕ ВОПРОСЫ ИНТЕГРАЦИИ  
ЦИФРОВЫХ ДОКАЗАТЕЛЬСТВ В УГОЛОВНО-  
ПРОЦЕССУАЛЬНОЕ ЗАКОНОДАТЕЛЬСТВО  
КЫРГЫЗСКОЙ РЕСПУБЛИКИ







photo by SLF Kyrgyzstan / Snow Leopard Trust / SAEPP



# Build Green Digital Belt and Ecological Civilization



# SUGGESTED KEY MEASURES



## INCREASE PRIVATE INVESTMENTS AND COMPETITION

simplify the licensing regime;  
undertake sector SOE reform;  
remove access restrictions to wholesale & retail services



## IMPROVE ACCESS, AFFORDABILITY AND SECURITY

ensure network capac. incr. & safeguard;  
facil. entry of new players to decr. prices  
capac. build. for citizens remote work & cybersecurity



## MODERNIZE SECTOR GOVERNANCE

strengthen regulatory authorities;  
remove remaining monopoly rights;  
limit market dominance of incumbents

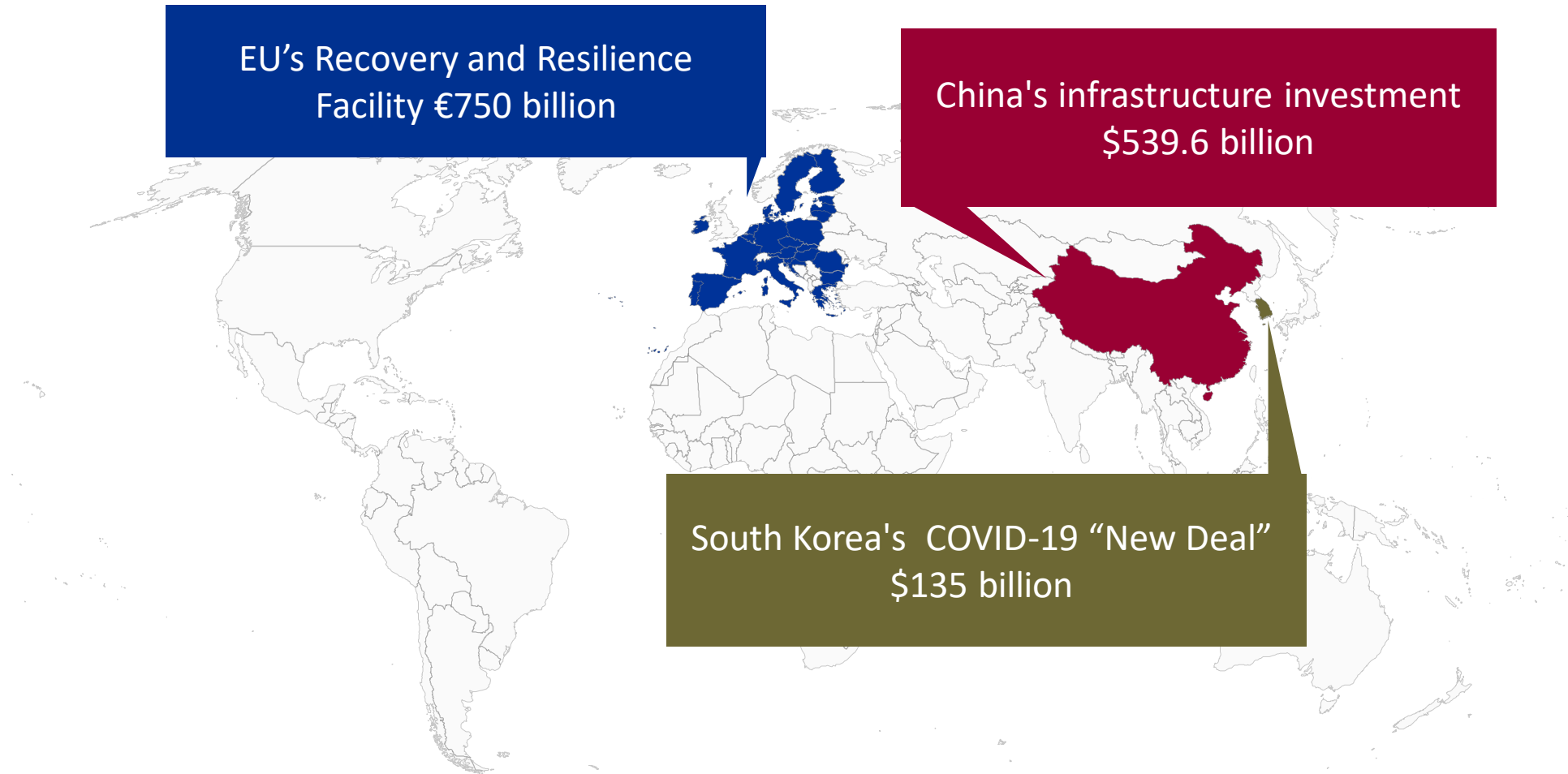




The background is a solid blue color with a pattern of white, rounded rectangular bars of varying lengths and orientations scattered across it, creating a digital or data-like aesthetic.

# Investment Gaps and Resources Necessary for Digital Adoption

## DIGITAL CONNECTIVITY NEEDS SERIOUS INVESTMENT



EU's Recovery and Resilience  
Facility €750 billion

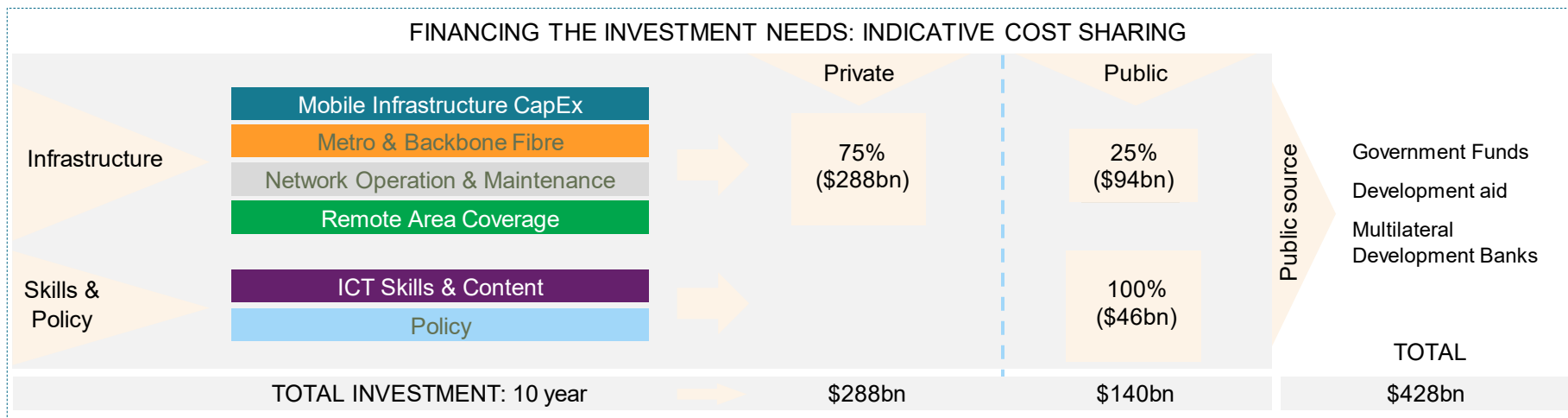
China's infrastructure investment  
\$539.6 billion

South Korea's COVID-19 "New Deal"  
\$135 billion

MEETING THE INVESTMENT TO CONNECT ALL BY 2030 WILL REQUIRE AN UNPRECEDENTED & CONCERTED EFFORT FROM THE PUBLIC AND PRIVATE SECTORS

# \$428 Billion

is required to connect the remaining 3 billion people aged 10 years and above to broadband Internet by 2030 (ITU)



# Infrastructure Sharing





# Co-Deployment









# Dig Once Policy

Oct 29, 2020 - Bishkek, Kyrgyzstan



Talant IS

October 29 · 🌐

...

We need a "Dig once" policy. The nice road that was paved just a couple of years ago is now all dug up to lay water pipes.

"Копать только один раз" (не путать с "Ломать - не строить")

В передовой мировой практике есть политика совместного использования "Копать только один раз" - закон требующий, чтобы все коммунальные предприятия устанавливали свою инфраструктуру одновременно, в одной траншее или в одном канале и, в большинстве случаев, несли общую стоимость установки инфраструктуры. Это сохранит десятки и сотни миллионов долларов и без этого дырявому бюджету

<https://www.facebook.com/talant.su/posts/10105519928640552>



## Our Principles:

- 1. Girls First
- 1. Rural First
- 1. Mobile First
- 1. Local Language First
- 1. Green First



Thank you for your Attention