

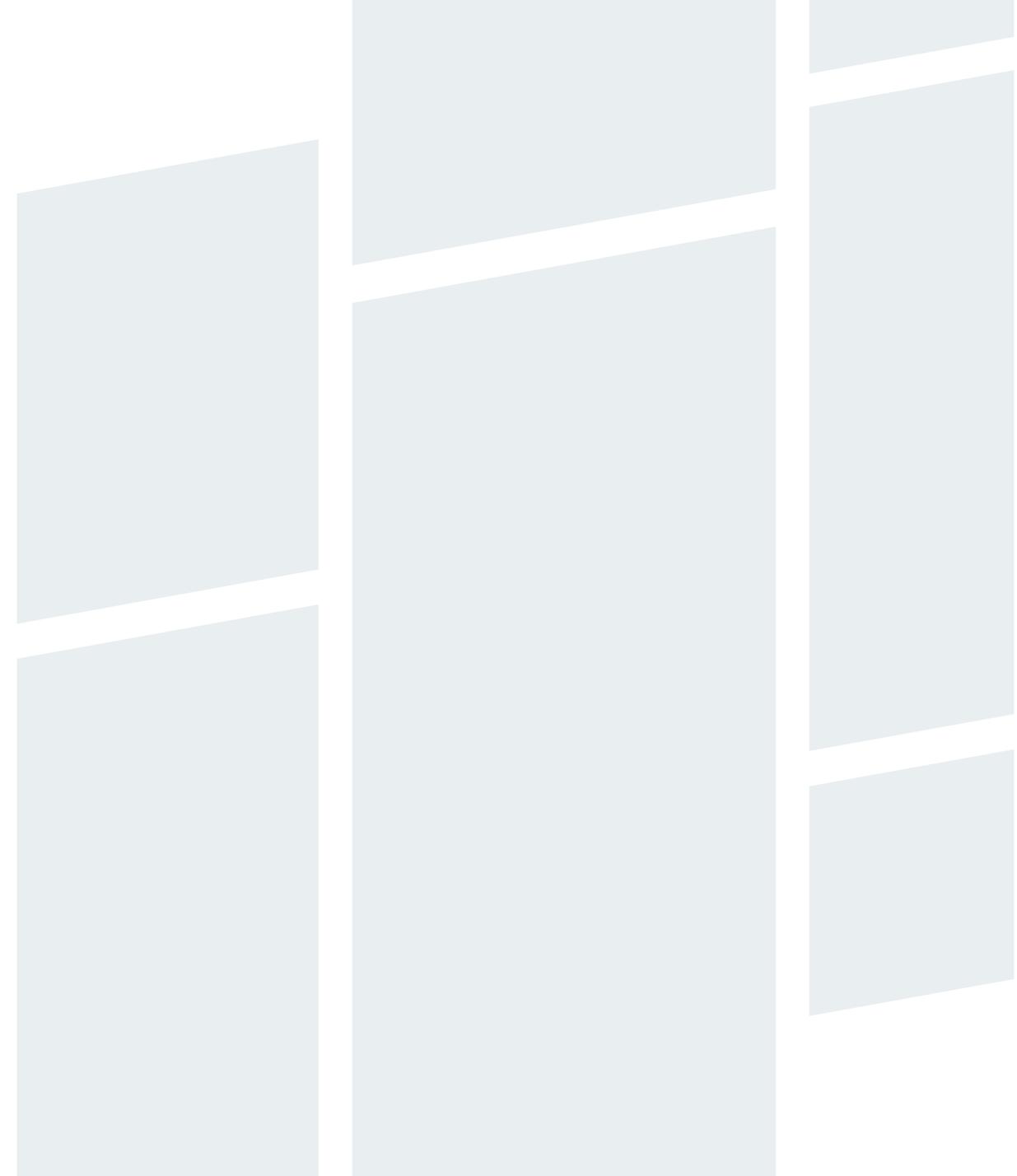


Performance of CAREC Corridors (economic and knowledge) in Central Asia



Corridors in CAREC region

- ▶ **Economic Corridors**
- ▶ **Knowledge Corridors**
- ▶ **Environmental Corridors**



SIX CENTRAL ASIA REGIONAL ECONOMIC COOPERATION CORRIDORS



- ★ National Capital
 - Provincial Capital
 - City/Town
 - ⚓ Naval Port
 - Cross Border Point
 - CAREC Corridor 1
 - CAREC Corridor 2
 - CAREC Corridor 3
 - CAREC Corridor 4
 - CAREC Corridor 5
 - CAREC Corridor 6
 - - - International Boundary
- Boundaries are not necessarily authoritative.



CPMM major products

- ▶ REPORT for experts who prefer to see in-depth policy research
- ▶ DATA for researchers to look in details at issues and their causes and conduct research analysis
- ▶ BRIEFS for policy makers who are interested in research findings and recommendations.

Policy briefs inform about current impediments to regional trade that require change:

1. Communicate findings for delivering impact at the national level.
2. Engage in national policy dialogues, bringing the research evidence into national policies.
3. Engage in two-way communication with governments, which undertake necessary policy measures based on CPMM findings.

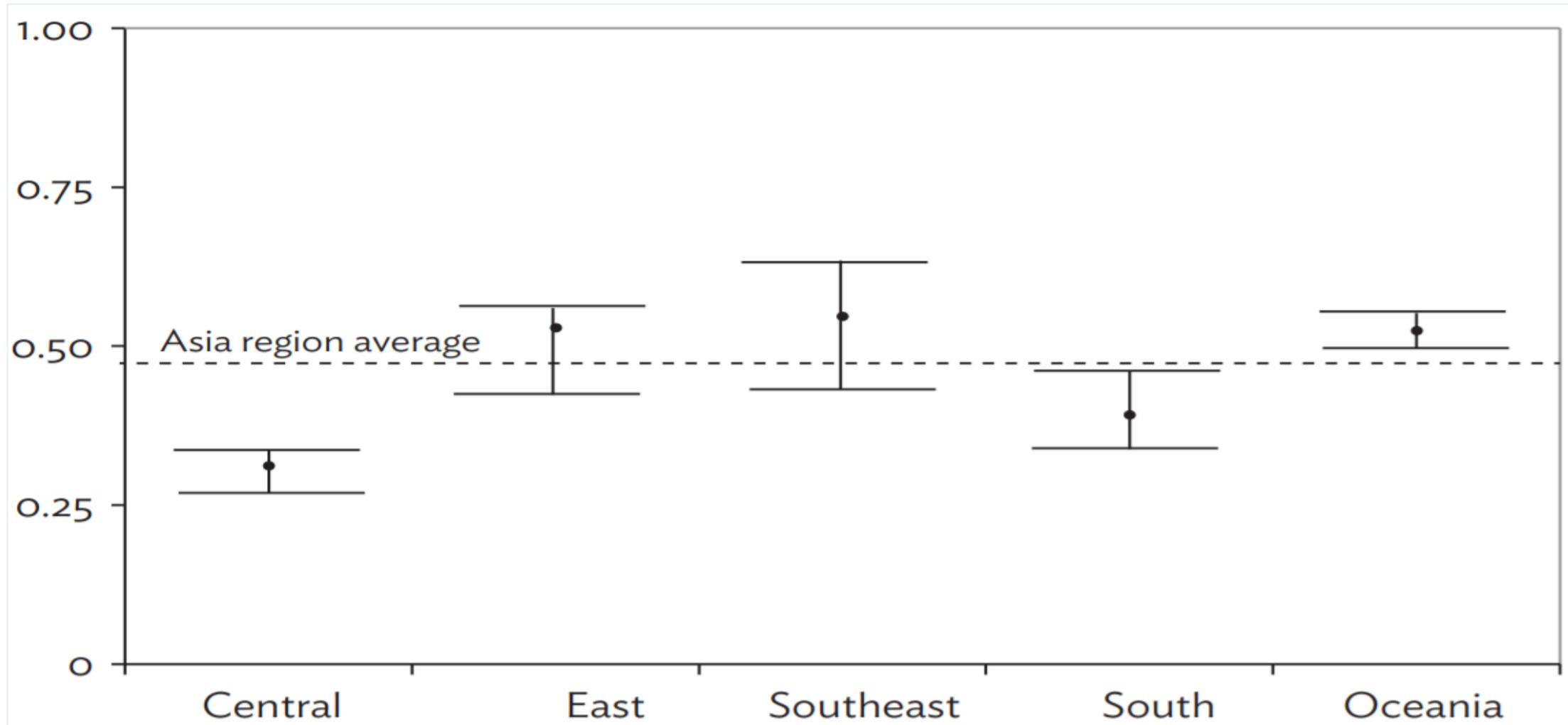
Economic Corridors

Economic Corridor & Regional Integration

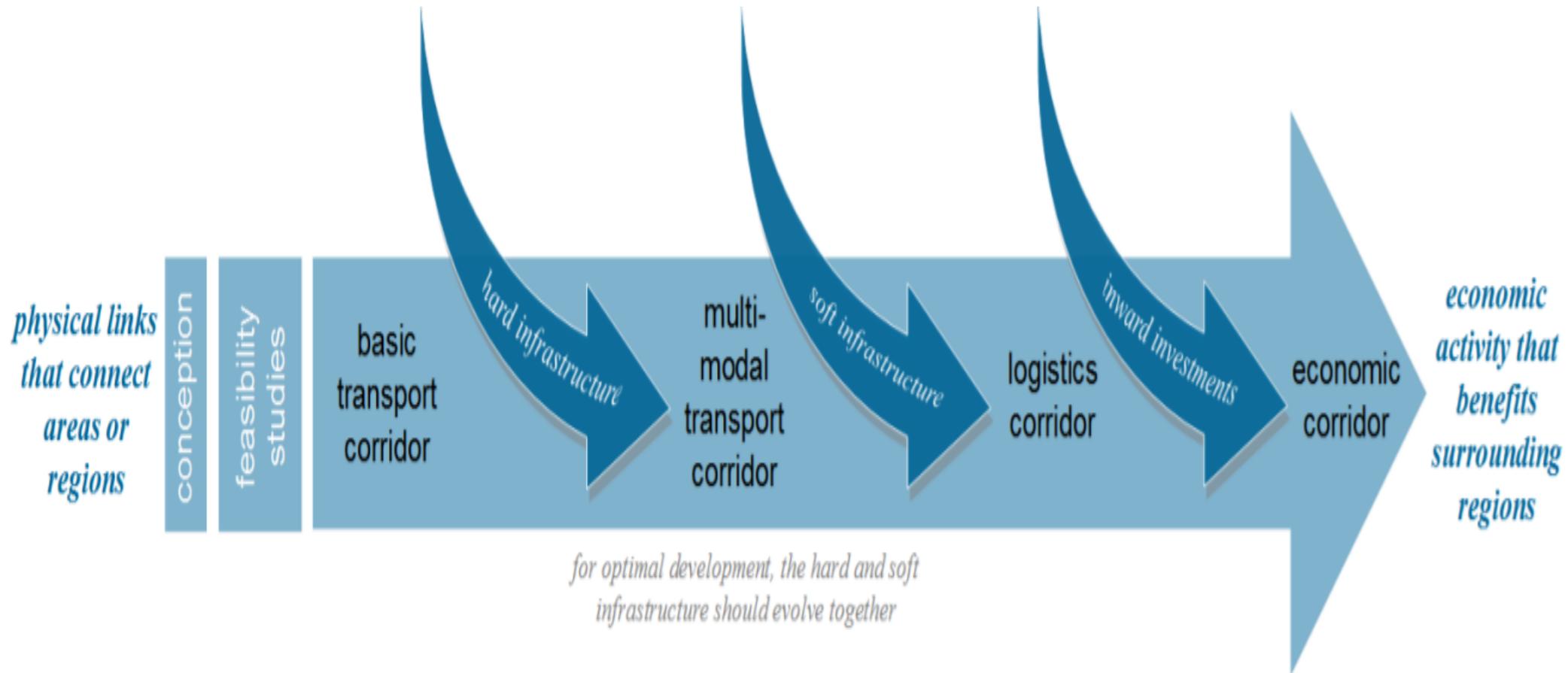
- ▶ Delivering economic and social values as spillovers, regional integration is one of the most effective ways to foster stability, address **regional challenges**, and **increase economic growth**
- ▶ **Stronger institutions and closer trade integration**, intraregional supply chains, and more robust **financial links** that will enable economies of scale to be tapped
- ▶ **The economic corridor is often an explicit outcome of regional economic integration** and is a central pillar of its sustainability.
- ▶ ADB sees regional integration as a means for **economic growth and poverty reduction** in Asia. The CAREC Program is one of ADB's initiatives to foster regional cooperation and trade.



Regional Cooperation and Integration



Development of Economic Corridor



Benefits of Economic Corridor

- ▶ Economic corridors are the confluence of **economic development and integrated growth** in areas involving intensive interaction of productive factors. Besides direct benefits economic corridors have indirect values that affect many lives in adjacent areas.
- ▶ The corridor may provoke the **industrialization of lagging regions that bring jobs and other social opportunities**. At the same time, this can accelerate regional integration in general.



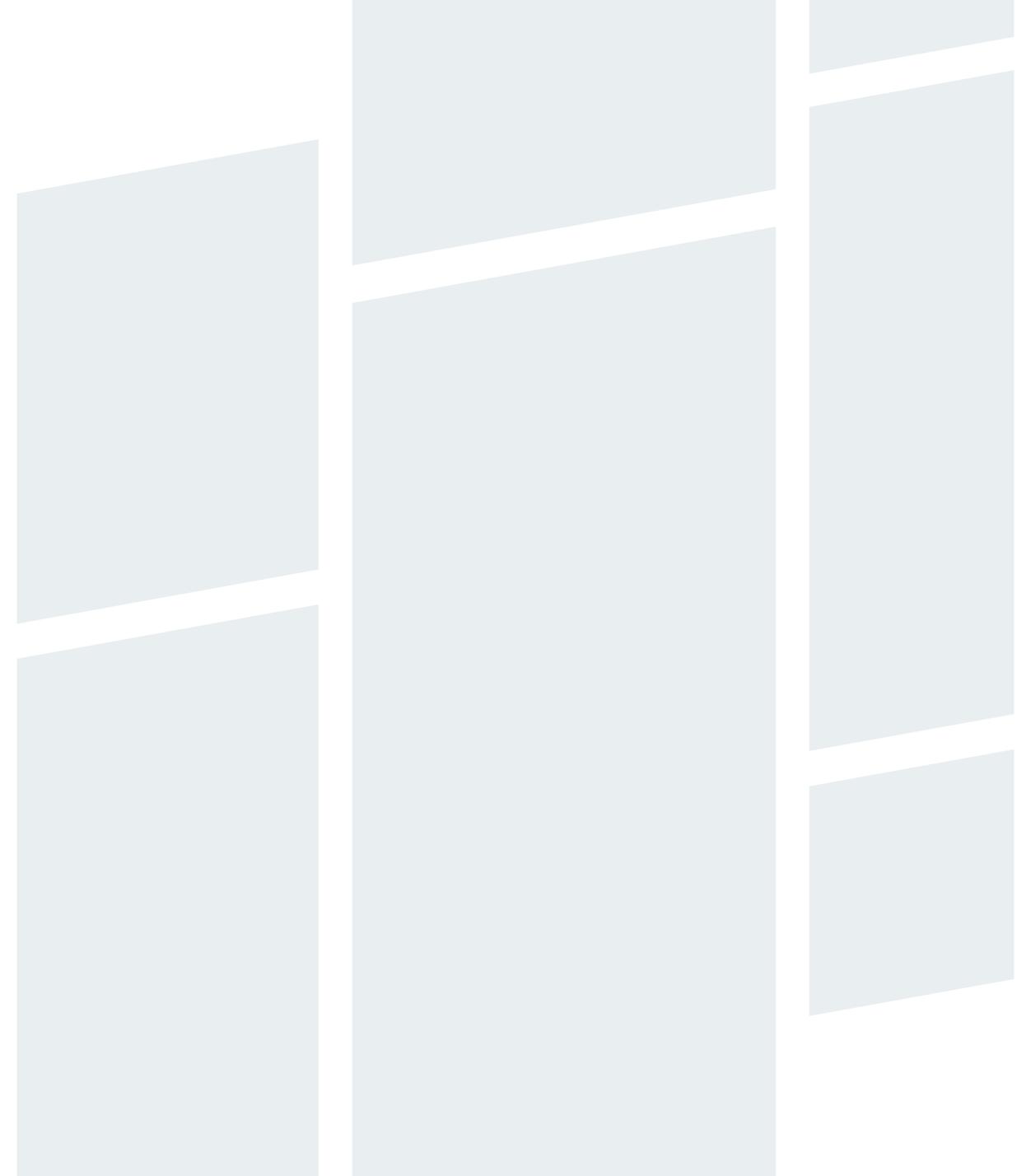
Economic Corridor- Digital Connectivity (Digital Gap)

Indicators	Azerbaijan	Georgia	Kazakhstan	Kyrgyz Republic	Mongolia	Pakistan	Tajikistan	Uzbekistan
Cost and Affordability	5	7	8	2	6	3	1	4
Access and Infrastructure	7	6	8	3	4	1	2	5
Internet Quality	3	8	6	7	2	5	4	1
Regulations	4	8	6	5	7	2	1	3
Digital Security	7	6	8	3	2	4	1	5
ICT Output	6	3	8	5	7	4	2	1
Digital FDI	1	2	8	3	6	7	4	5
CDDI	6	7	8	3	5	2	1	4

- Green highlighted- lower digital divide
- Red highlighted - higher digital divide

Economic Corridor-Energy connectivity

- ▶ Demand for **investments of energy** sector:
 - around 300 billion USD by 2030
 - only government investments are and will not be sufficient
 - share of the renewables in energy balance are negligibly low in the countries of CAREC region
 - Accessibility, investments, and resource efficiency are key areas of CAREC programmes recently adopted energy sector strategy

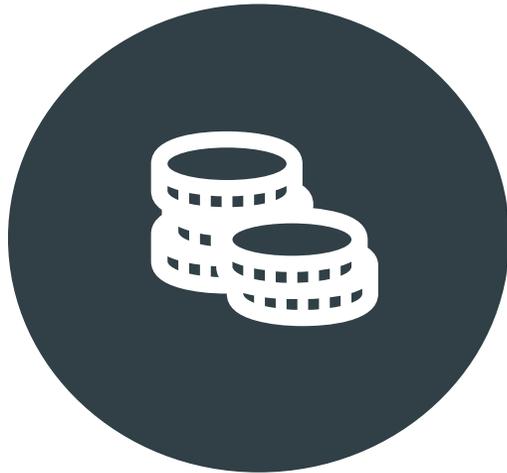


Economic Corridor-Energy connectivity

- Coal and oil -from 15 to 75% of energy production in CAREC countries
- High share of fossils in energy mix adversely effects energy security as affordability dimension becomes vulnerable.
- Overall, oil, gas, coal and other mineral resources in both trade and energy in the region are very important.
- GDPs of Azerbaijan, Kazakhstan, Turkmenistan, and Uzbekistan are dependent on price to these mineral resources.
- Only 4 countries of CAREC region out of 11 are having high share of hydro energy in the energy balance.

Benefits of Economic Corridors

ECONOMIC SPILLOVER



Improved economic development,
increased trade, developed remote areas,
small business opportunities

SOCIAL SPILLOVER



Eased mobility of people,
social infrastructure,
quality of life and society

Knowledge Corridors

Knowledge Corridors

- ▶ Knowledge corridors is an **interconnected web with virtual destinations, thoughts, and ideas of knowledge enablers** (government), knowledge articulators (sector experts), knowledge generators (research entities), and knowledge transformers (business sector).
- ▶ The idea of knowledge corridors is to harness this immense **potential, develop directional frameworks, and translate knowledge into tangible gains.**
- ▶ The role of **knowledge corridors in regional economic cooperation platforms is critical**, considering the importance and need for a standardized and systematic approach in regional transport, trade, energy, and tourism development.



Knowledge Corridors

- ▶ The central idea of knowledge corridors is to make knowledge **a profitable commodity or convert “data to dollars”**.
- ▶ Data generated by universities and processed by think tanks will be converted into **profits and reinvested in knowledge**.
- ▶ **Think tanks** are instrumental in helping governments make informed policy choices.
- ▶ Universities can diversify their research portfolios by adding to their **curriculum topics and themes in which businesses have shown interest**.
- ▶ **Development partners** are essential to generating and sharing knowledge, linking knowledge actors, and mobilizing necessary technical and financial support.

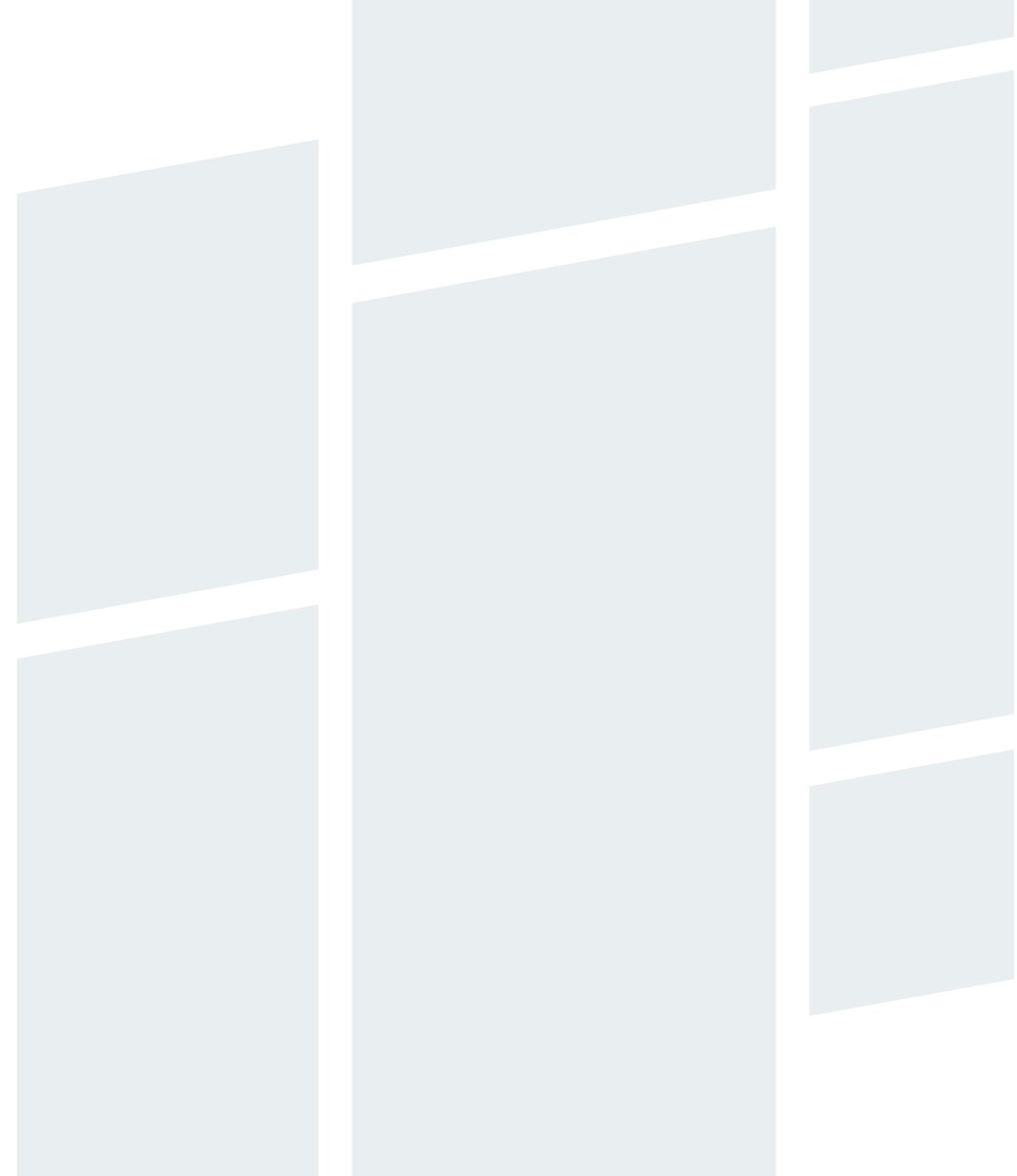


Knowledge Corridors of CI

- ✓ CAREC Institute Research, capacity building and knowledge management
- ✓ CAREC Institute Think Tank Forum (CTTF)
- ✓ Visiting Fellow programme (VFP) , supported by ADB
- ✓ CAREC Institute Research Conference (RC)
- ✓ New Research Initiatives through Networking

Knowledge Corridors – Research

- ▶ **Research Focus:**
 - ▶ CRII, digitalization, climate – water, CPMM, financial sustainability
- ▶ **Joint research** with CAREC
National systems
- ▶ **Joint publications-** co-producing knowledge



Knowledge Corridors- Capacity Building

INTEGRATED APPROACH



CAREC Chai

In many countries and cultures throughout CAREC region, people have the most frank and open conversations in their kitchens over a cup of tea – widely known as the "Chai" talks. In light of that, CAREC Chai Series aim to facilitate open discussions among experts, think tanks, development partners, and CAREC government representatives, to exchange views and share opinions on prospects of connectivity and cooperation in CAREC region.



Policy dialogues

Since 2020, the CAREC Institute has diversified knowledge services to acquire the agility and flexibility in addressing the increasing needs of member countries. Policy dialogues have been the main instrument to design and deliver timely policy discussions in digital CAREC, climate change, water management, etc.



Cascading and blended learning programs

Since June 2020, the CAREC Institute has transformed its knowledge services to cascading and blended learning. The Institute started with transport-related activities and has gone to cover all five CAREC priority clusters.



Research-based capacity building interventions

The CAREC Institute, using its in-house professional and analytical capacity, conducts high-quality, research-based capacity building activities to develop the sustainable capabilities and skills of partner organizations.



Training of trainers and community of practice

The CAREC Institute conducted the CAREC Road Asset Management Maturity Assessment and training of trainers in 2021 and the Knowledge Sharing Series: Chinese Best Practice in Cross-border E-commerce in 2022.



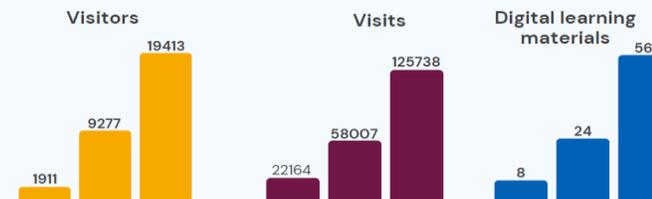
ELEARNING.CARECINSTITUTE.ORG

FREE ONLINE PARTICIPATION

- Calendar of webinars
- Workshop details
- Training and learning materials

SELF-LEARNING OPPORTUNITY

- Digital learning modules
- Video recorded expert talks
- Reading materials



* as of July 1, 2022

www.carecinstitute.org

Knowledge Corridors- Knowledge Management



Monthly Newsletter

The CAREC Institute's e-newsletter provides more than 3,000 stakeholders with monthly updates on recent and upcoming CAREC knowledge events, sector-specific studies, and research findings.



Media Appearances

170 media appearance of CAREC Institute's topics and events in 3 languages in CAREC countries.



Development Asia

18 Asian Development adaptations have been produced by the CAREC Institute with assessments of current economic trends and challenges in the CAREC region.



Social Media

The CAREC Institute provides breaking news and cover events using the social media platforms LinkedIn, Weibo, WeChat, TikTok, and the website.

1 KNOWLEDGE CREATION

The CAREC Institute conducts high-quality research on regional trends and issues. Research results are disseminated in the form of books, research reports, articles, economic and policy briefs, etc.

KNOWLEDGE SHARING 2

The CAREC Institute facilitates in knowledge sharing through knowledge dialogues, conferences, webinars, trainings, communities of practice and e-learning.

3 KNOWLEDGE BROKER

The CAREC Institute promotes the exchange of knowledge among stakeholders in the CAREC region to enhance government and individual capacities to effectively participate in evidence-based decision making.

KNOWLEDGE TRANSFER 4

The CAREC Institute assists in the transfer of policy best practices among member countries of the CAREC region, as well as those of other regional trading blocs.

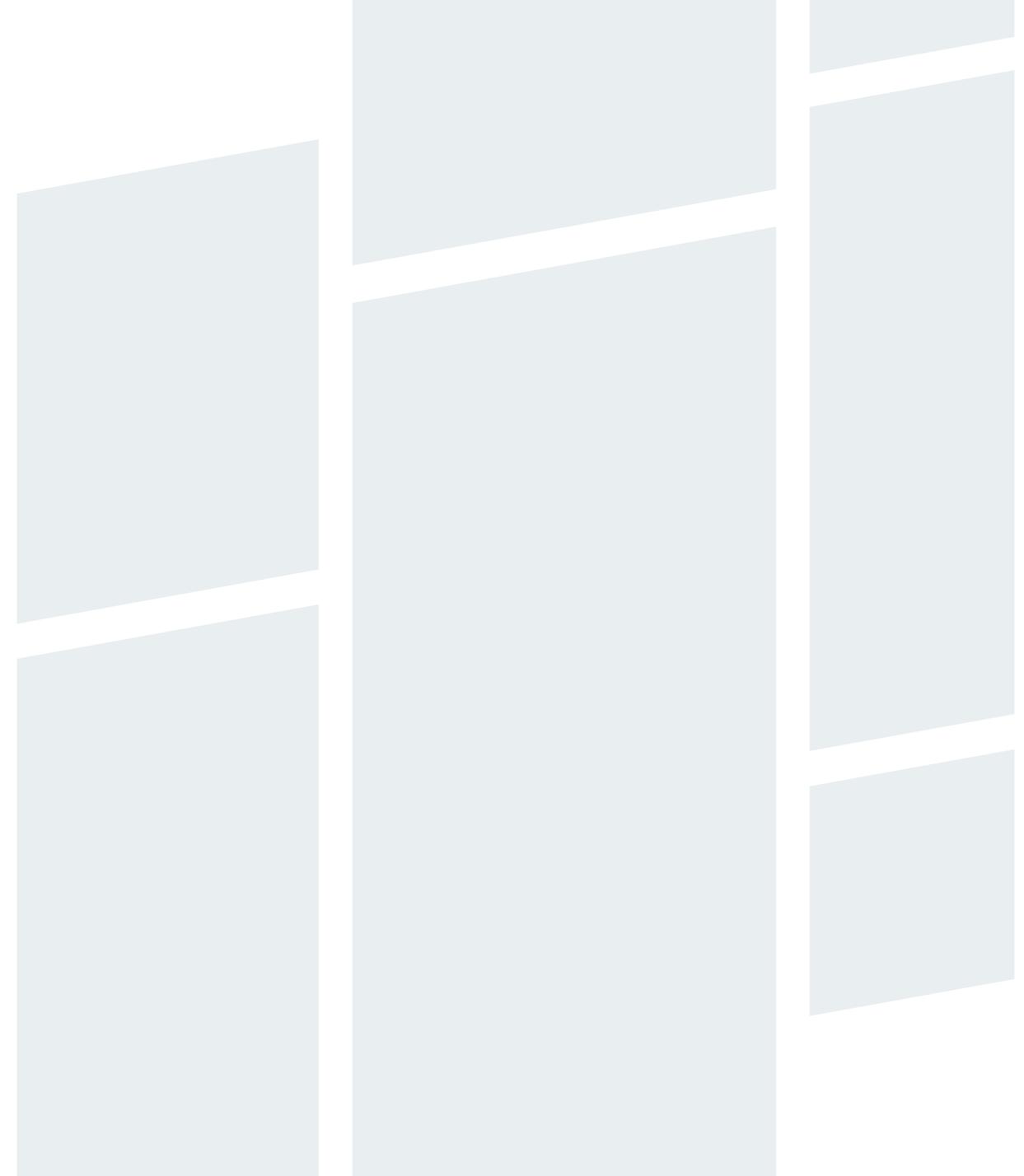
5 KNOWLEDGE COMMUNICATION

The CAREC Institute communicates technical and complex knowledge in more accessible and simplified information formats to a wider audience using e-learning, infographics, research digests, adaptations, etc.

Environmental Corridors

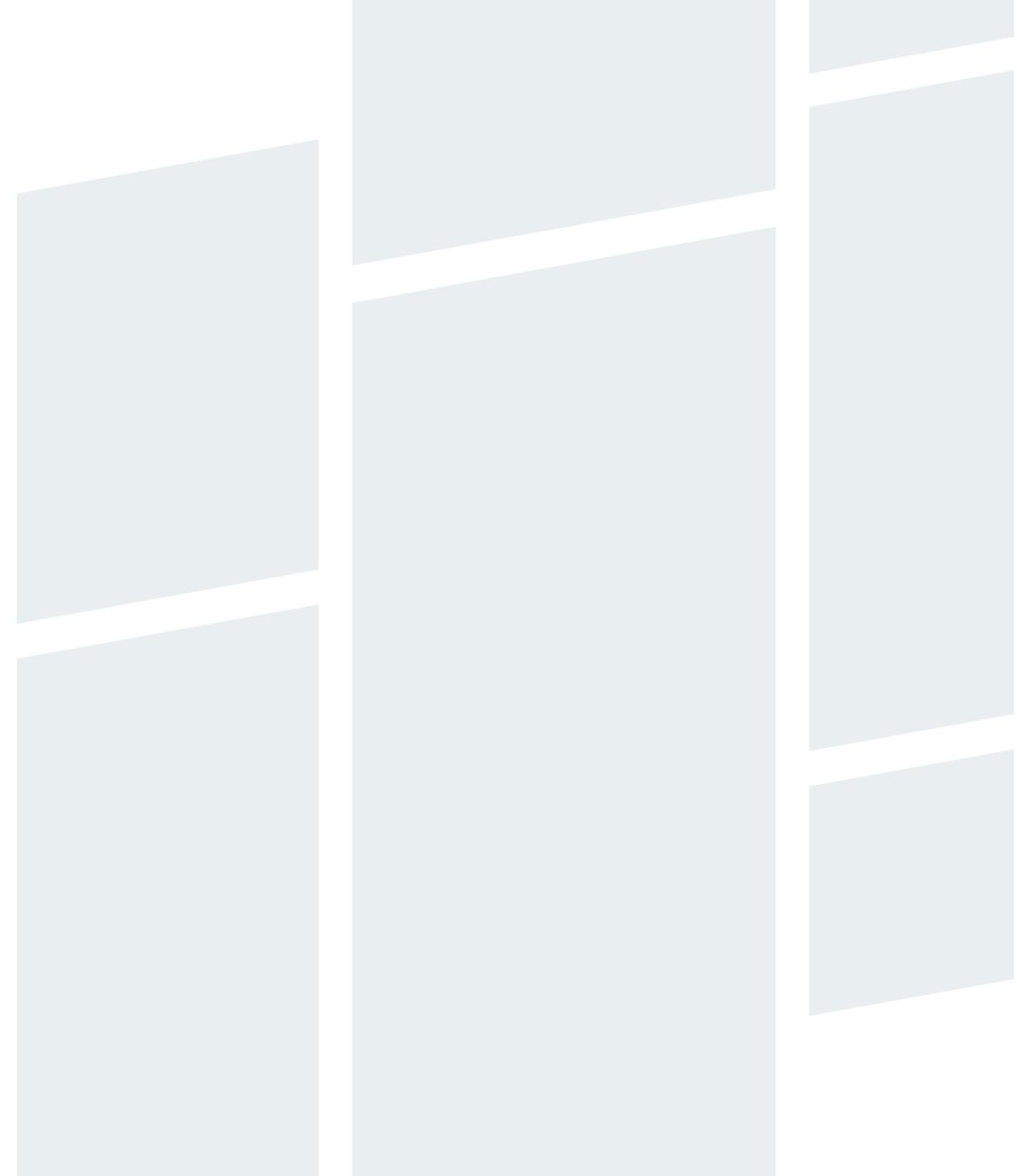
Environmental Corridors

- ▶ Climate change
- ▶ Water resources
- ▶ Environmental linkages and challenges
- ▶ Environmental cooperation opportunities



Environmental Corridors

- ▶ **Improved Water Cooperation:**
around 4.00 Bln. USD
- ▶ **Biodiversity conservation may save** around
6.5 Bln. USD
- ▶ Reduction of **land degradation by improved**
land use change may help to save 5.85 billion
USD
- ▶ **Potential of Environmental Services** in
Central Asia is not measured and integrated
into **national wealth system**



Conclusion

- The Central Asia region is **the least integrated in Asia** and has multiple opportunities to reap the current high levels of economic growth.
- Increasing connectivity and enhancing trade among CA countries - **setting up comprehensive yet simple procedures in existing corridors to move goods and services regionally**

Conclusion

- The role of **economic corridors** for high trade rates, export–import operation without delays, and quick passage of goods and services will support economic spillover among CA countries.
- Knowledge corridors is an **interconnected web with virtual destinations, thoughts, and ideas of knowledge enablers**
- **Knowledge Corridors** contributing to **the sustainable development** regional cooperation in CAREC region

Conclusion

- **Environmental corridors-** interlinked problems and nature
- Opportunities of environmental corridors- **sustainable development and fighting of the challenges**