



Multi-Modal Transport Connectivity for Greater Sustainability and Resiliency

2020 SPECA ECONOMIC FORUM

Session II: Regional Transport Connectivity to Build
Resilient Supply Chains

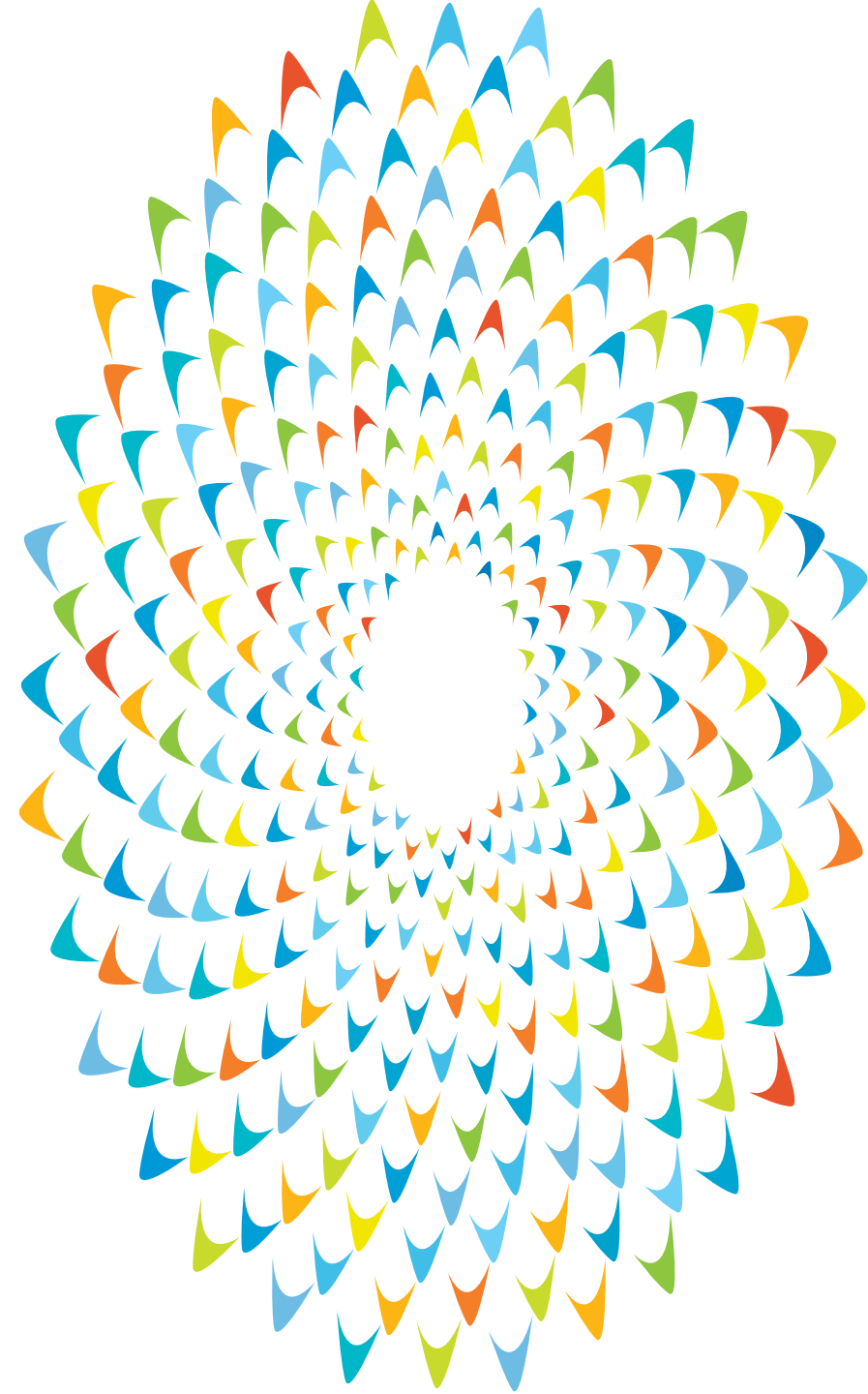
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Global freight and logistics has been affected due to reduced economic activity and movement restrictions.

ITF estimates that the global freight volumes in 2020 are likely to be reduced by more than a third.

Urban and inter-urban freight: Urban freight to experience less reductions than inter-urban and international goods transport.

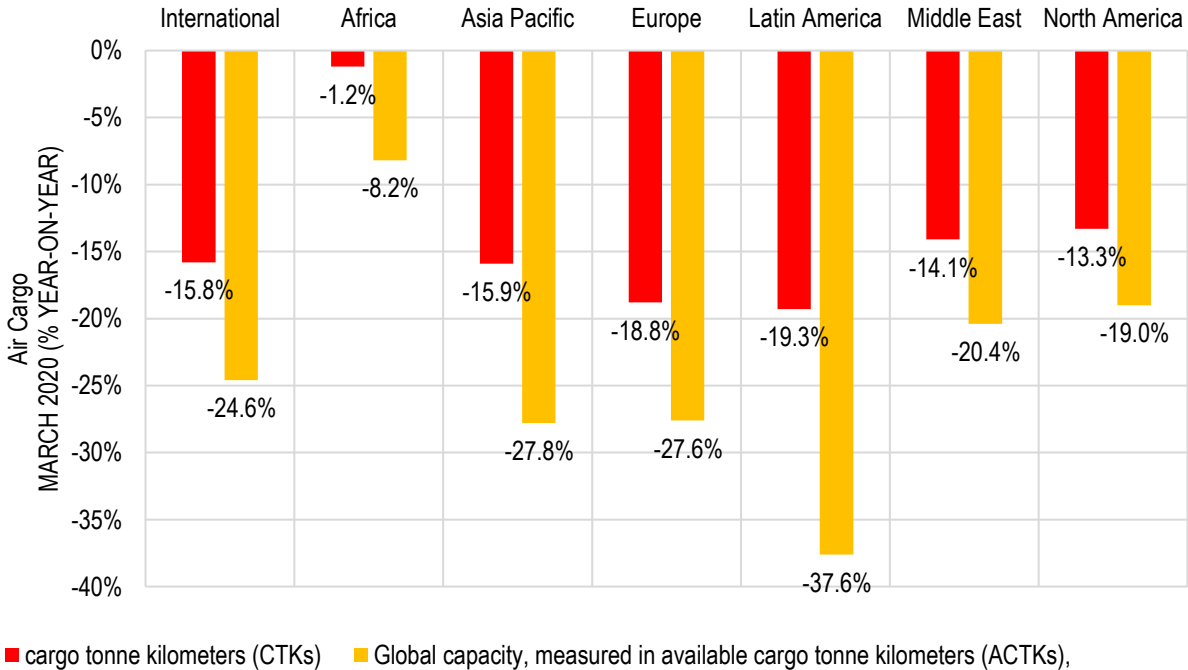
Projected Covid-19 impact on freight and associated CO₂ emissions for 2020
(by region and freight type, percentage change on projections pre-Covid-19)

Regions	Urban freight activity	Inter-urban freight activity	CO ₂ emissions urban freight	CO ₂ emissions inter-urban freight
ASEAN countries	-16	-53	-22	-42
China	-3	-27	-10	-23
India	-14	-51	-20	-46
Japan and Korea	-10	-33	-17	-26
Russia and Central Asia	-6	-53	-13	-54
Other Asia	-5	-32	-12	-25
Oceania	-3	-42	-10	-41
Middle East	-6	-36	-13	-31
North Africa	-15	-36	-21	-25
Southern Africa	-12	-32	-19	-41
Other Africa	-10	-50	-16	-38
South America (Andean)	-14	-50	-20	-37
South America (South Cone)	-5	-35	-12	-31
Caribbean	-15	-43	-21	-39
Central America	-12	-39	-19	-35
North America	-10	-37	-17	-35
Scandinavia	-15	-41	-21	-37
Western Europe	-12	-43	-19	-37
Eastern Europe	-14	-40	-20	-36
Global	-8	-37	-14	-30

Legend: Urban freight activity = red Δ ≥15%, orange Δ ≥ 10%; inter-urban freight activity: red Δ ≥50%, orange Δ ≥ 40%; CO₂ emissions from urban freight activity: red Δ ≥20%, orange Δ ≥ 13%; CO₂ emissions from inter-urban freight activity: red Δ ≥40%, orange Δ ≥ 33%

Air cargo: The Asia Pacific region has experienced the second largest decline after Latin America region.

Air cargo activity and capacity in March 2020 compared to March 2019

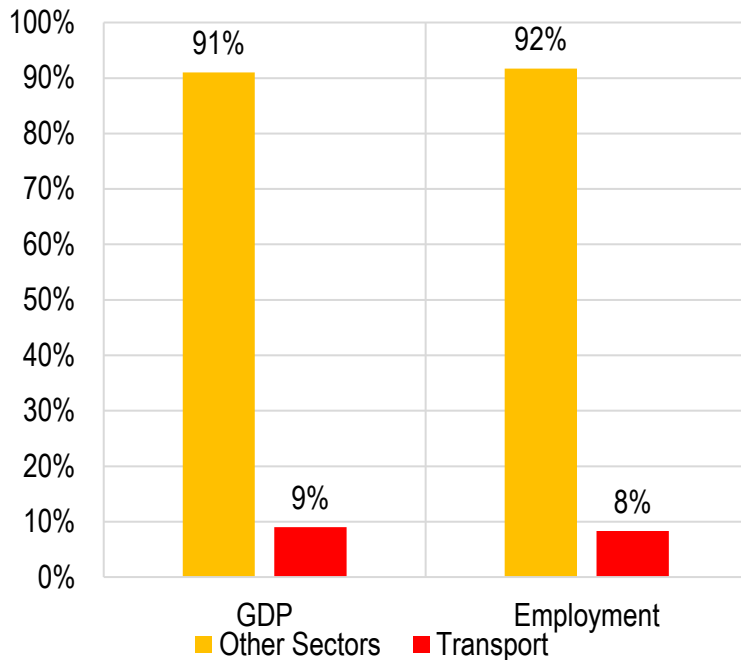


Rail freight: Impact been mixed. In China, China National Railway statistics reveal that railway freight carried between China and Europe during the first three months of 2020 increased by 24% when compared with 2019 over the same period. However, in India, rail freight traffic in April and May reduced by 28 per cent lower than comparative 2019 demand.

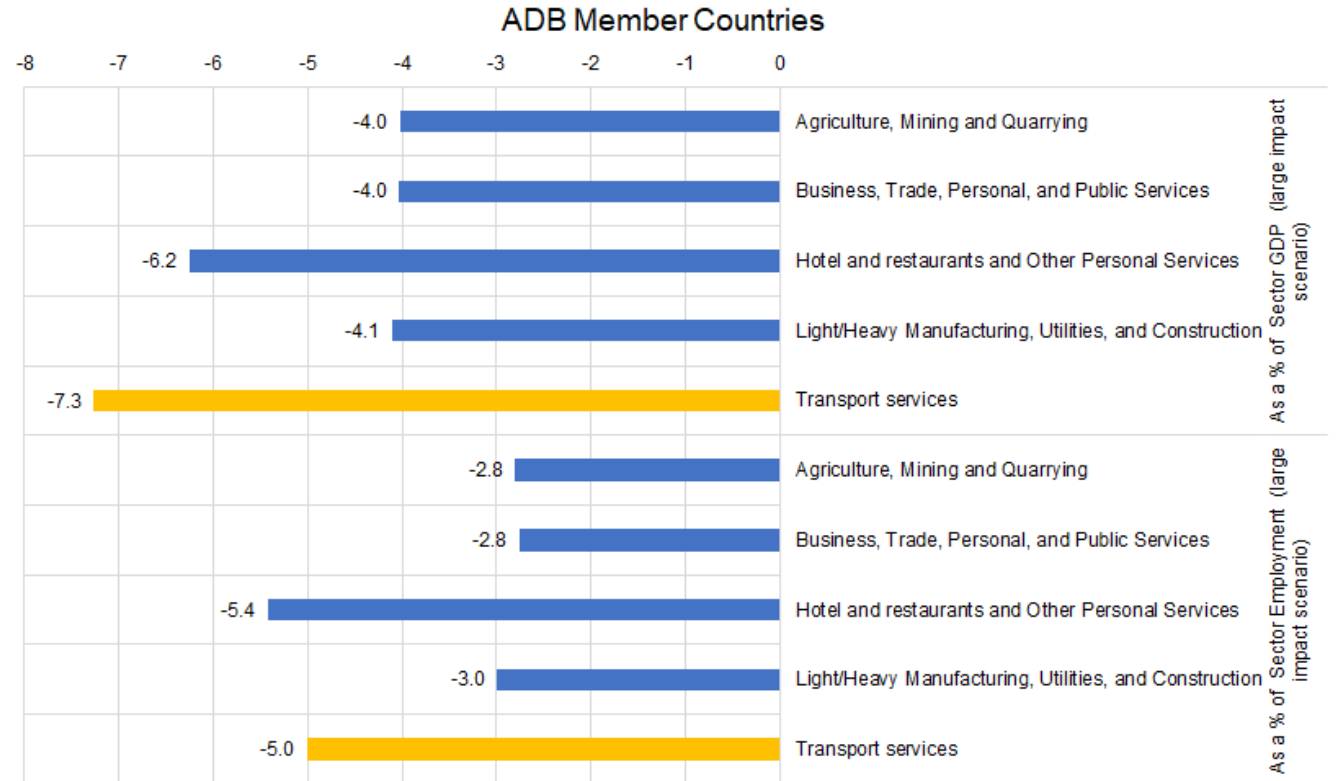


A changed transport industry will have far reaching implications.

- Transport sector gross value added in ADB member countries ~ **2.7 trillion USD**
- Transport sector “direct” employment in ADB Member countries ~ **157 Million people, 10% of which are women**
- Estimated number of households dependent on income from transport industry = **17%**



Source : UN Statistics, World Bank, ILO & ADB



In the "longer containment, larger demand shocks" scenario, transport services are expected to contract by 7.3% GDP. Employment in transport services are expected to contract by 5.0%.



A new normal is emerging.



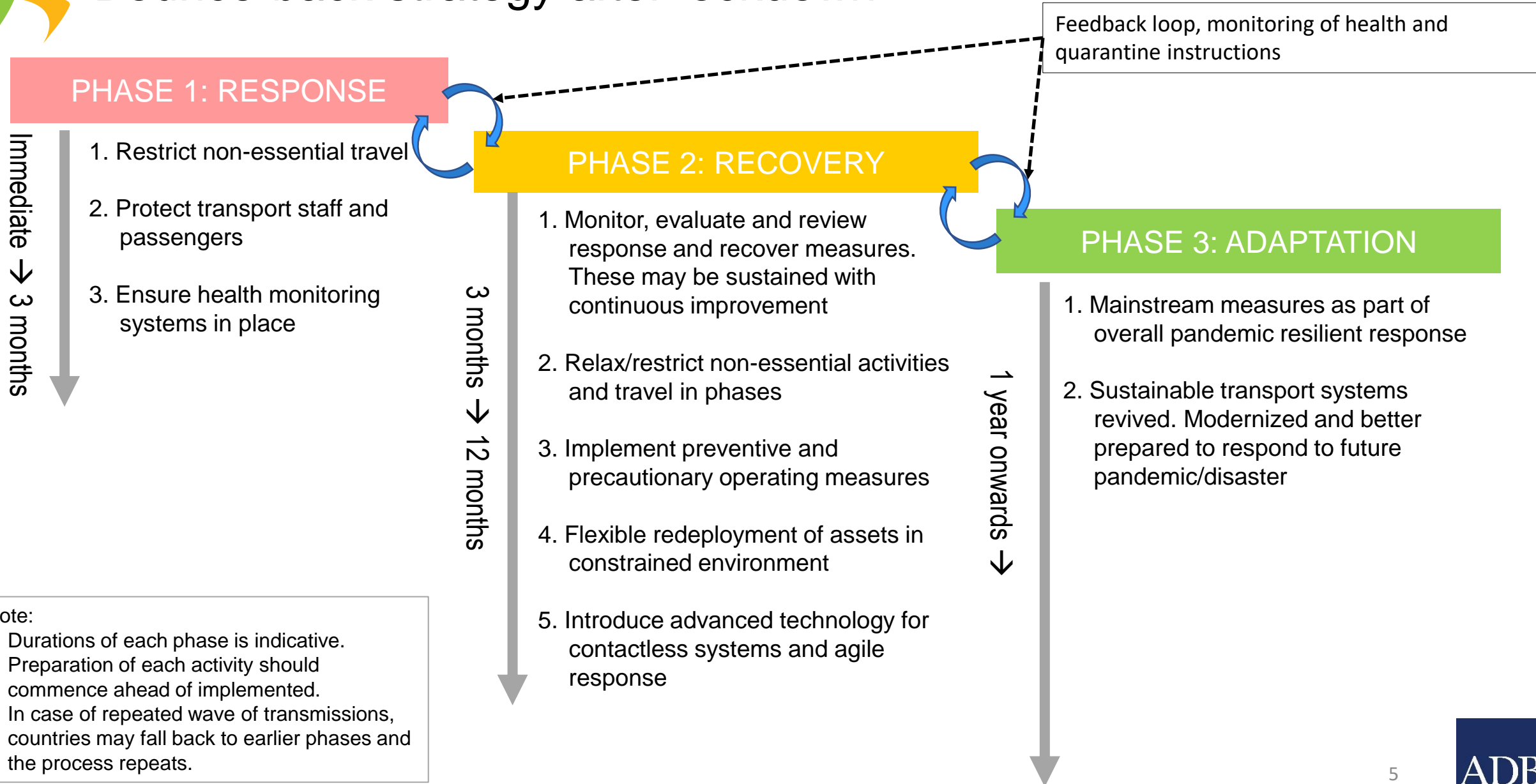
 **COVID19 - Cycling during the outbreak** 

The European Cyclists' Federation recommends to keep riding your bicycle safely www.ecf.com

-  Seek your government advice and respect local rules
-  Check your bicycle before you start pedaling
-  Wash your hands before & after cycling
-  Don't touch your face during the ride
-  Keep social distance at traffic lights & stops
-  Take the most direct and safest route available



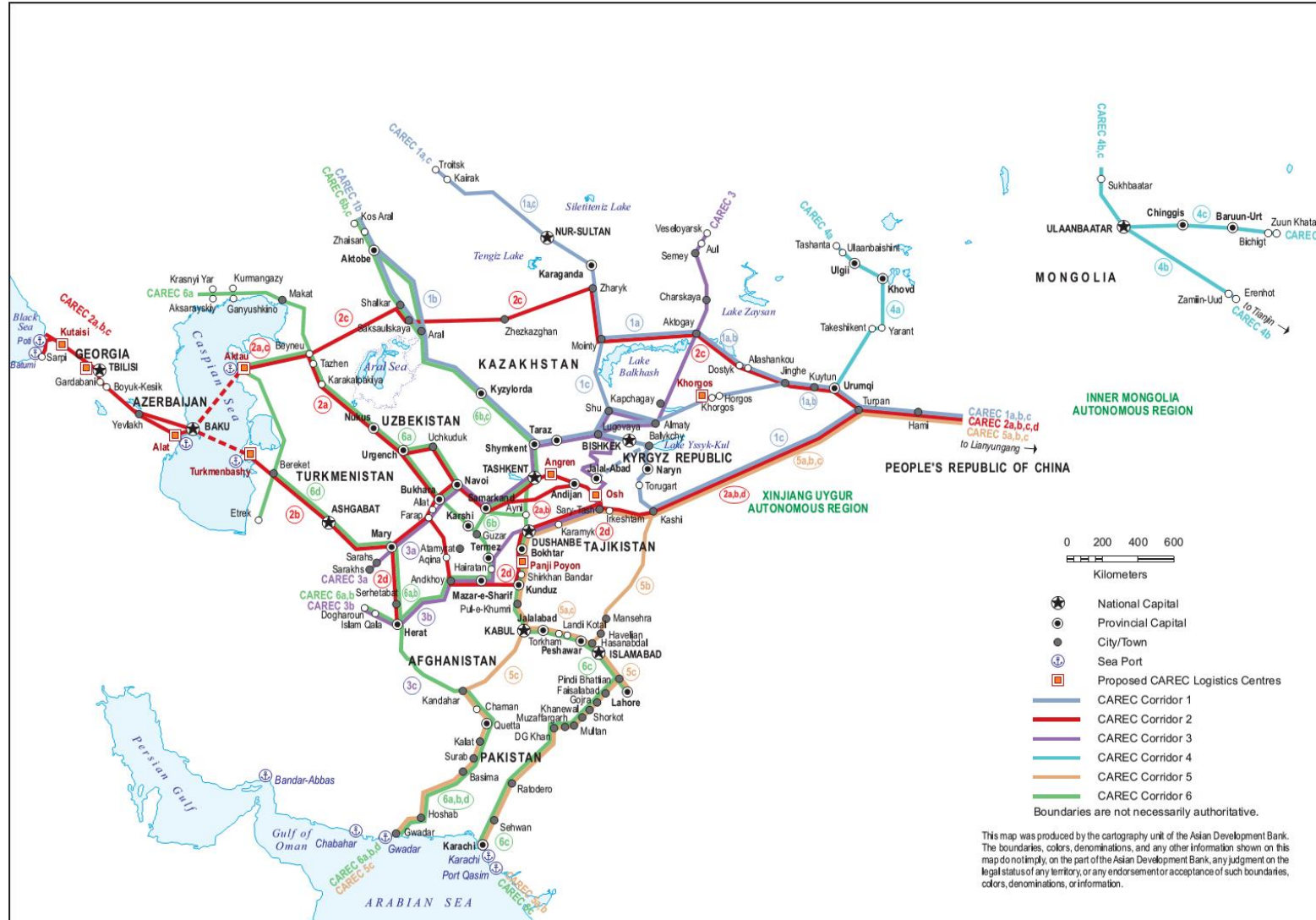
Bounce-back strategy after lockdown.





Toward greater sustainability and resiliency

#1 – Multi-modal Connectivity

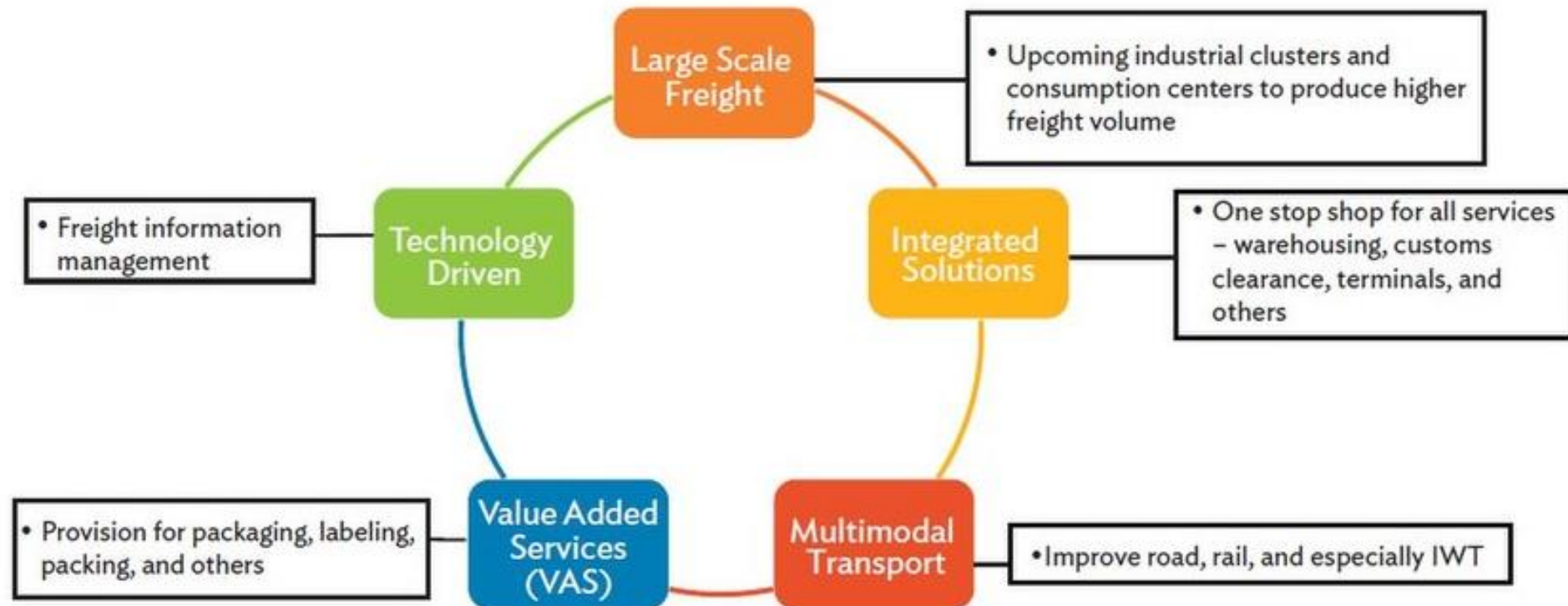




Toward greater sustainability and resiliency

#2 – Integrated Logistics Infrastructure

Framework of Effective Multi-Modal Logistics Park (MMLP)



IWT = Inland Water Transport, MMLP = Multi-Modal Logistics Park.

Source: ADB study team analysis.

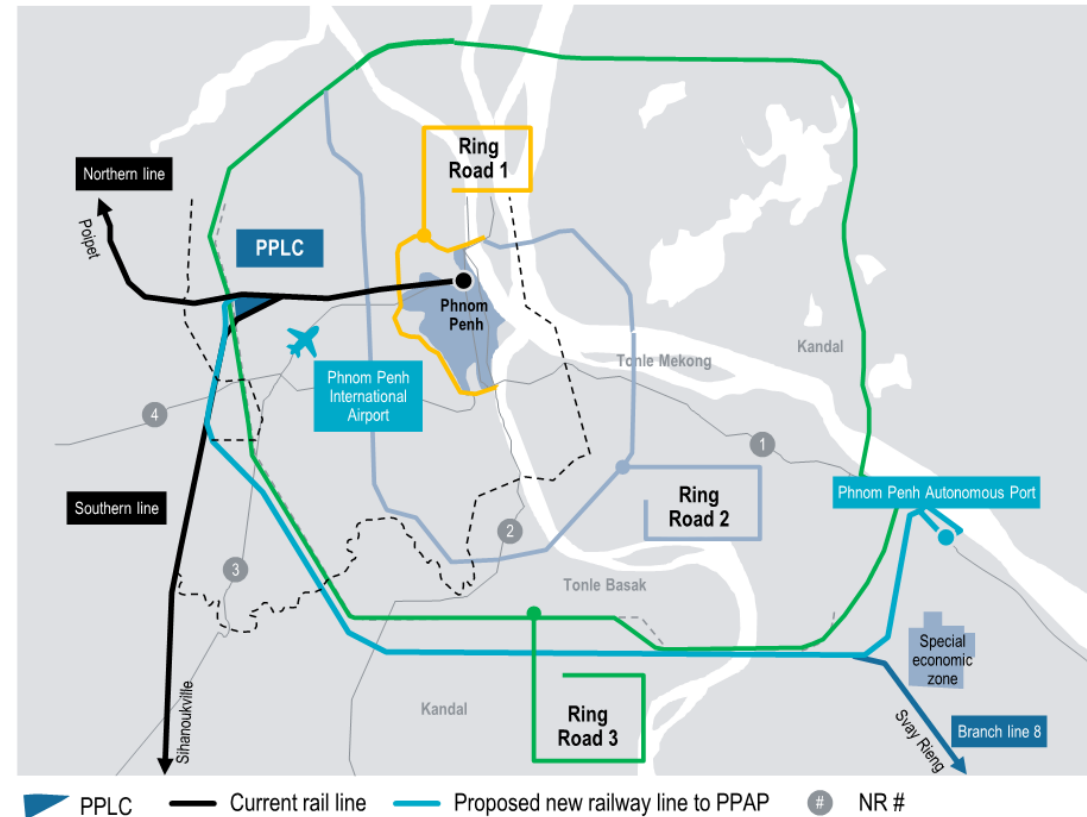
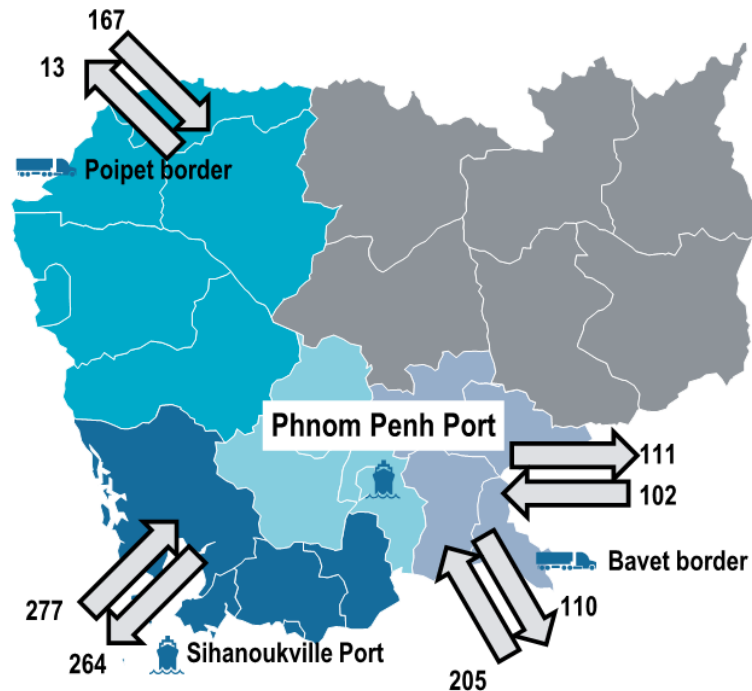


Toward greater sustainability and resiliency

#3 – Private Sector Participation

PPP Project Pre-Feasibility Study - Phnom Penh Logistics Complex (PPLC)

Cargo flow through adjacent borders, 2018 ['000 TEUs]



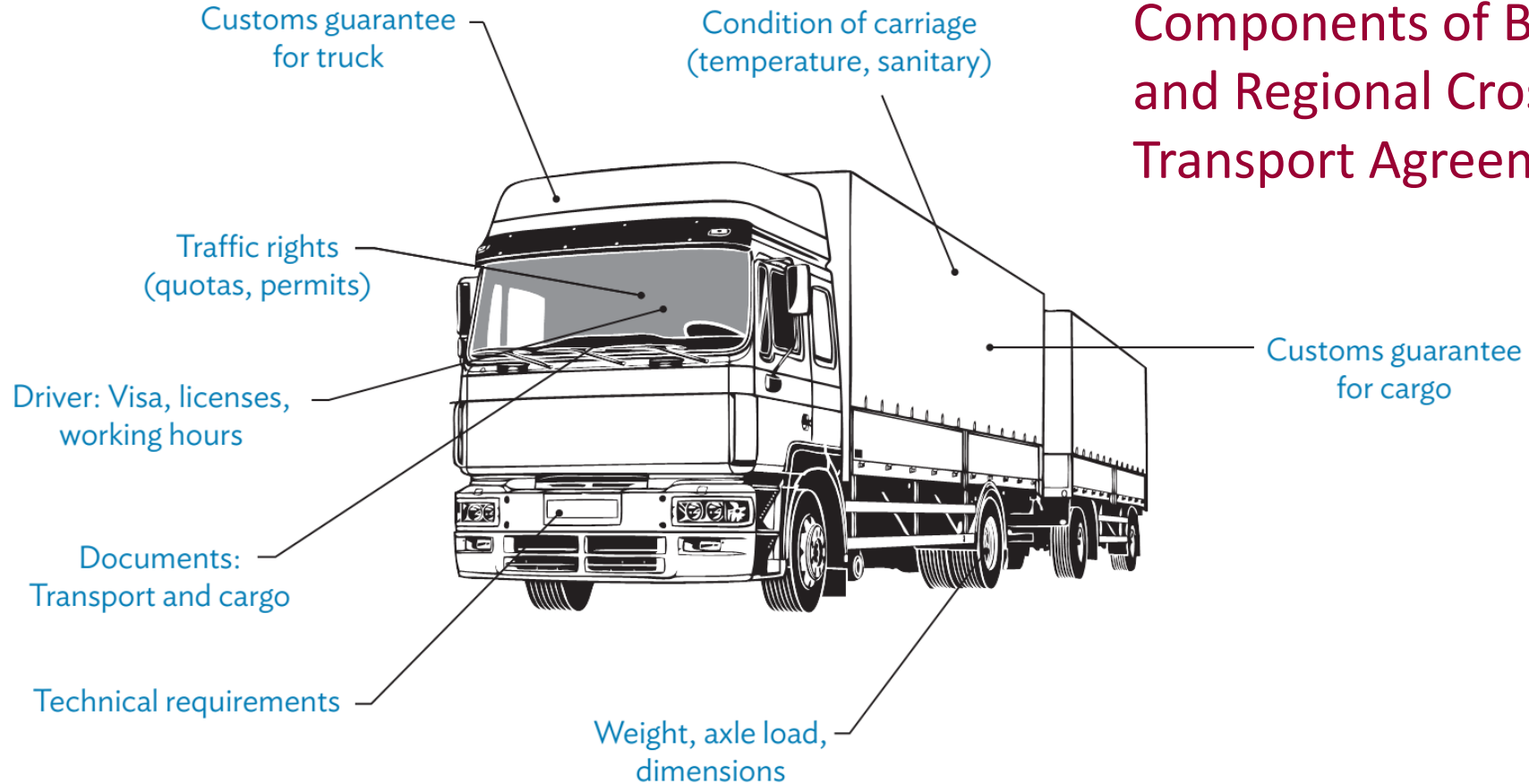
Strengthening Project Preparation Capacity in Asia and the Pacific - Supporting Preparation of Infrastructure Projects with Private Sector Participation in Asia Pacific (Subproject 4) (Project 49407-005)



Toward greater sustainability and resiliency

#4 – Border Crossing Facilitation

Components of Bilateral and Regional Cross-Border Transport Agreements



Regional Cooperation & Institutional Reform

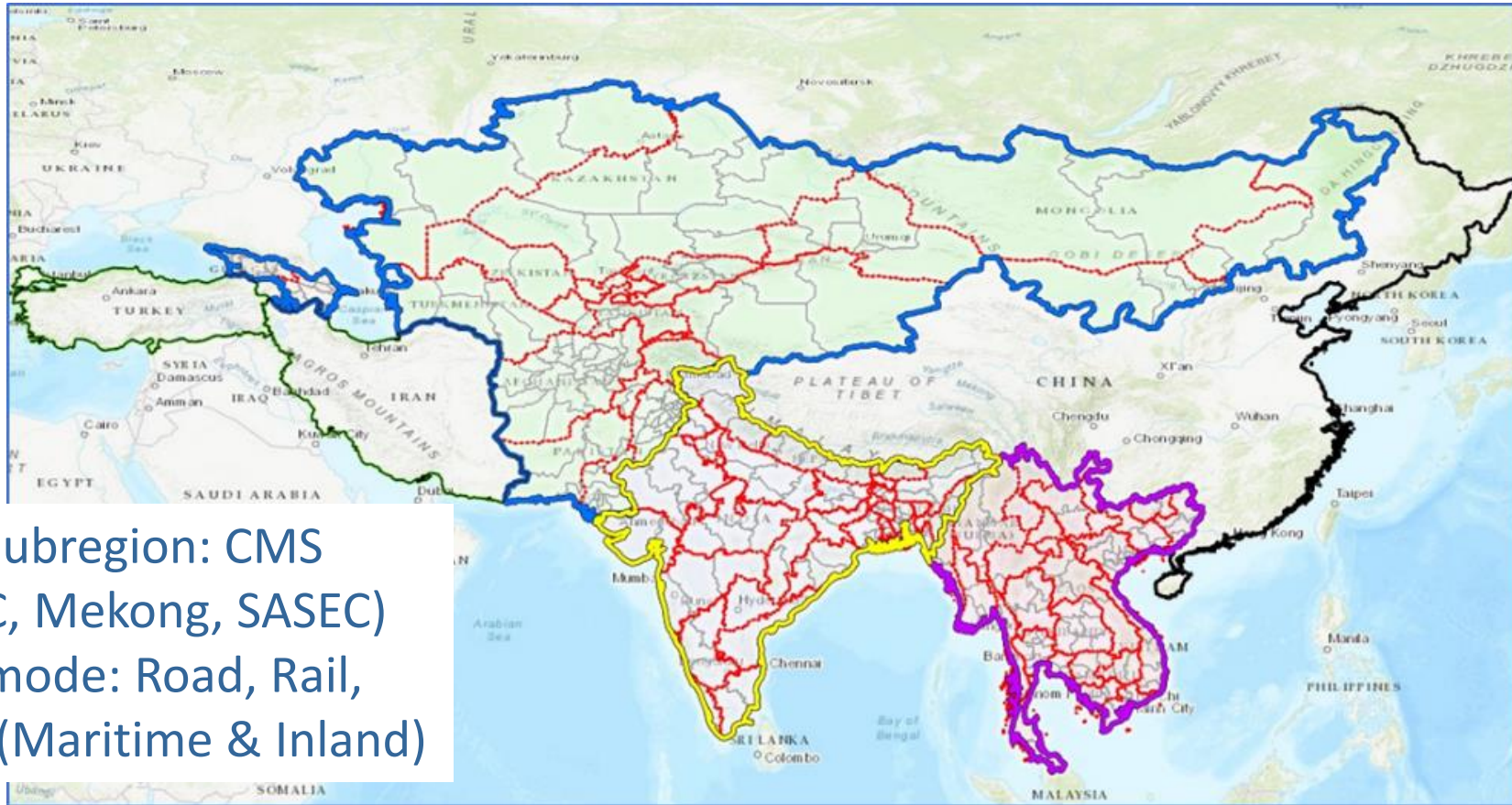
Digitization & Communication Technology



Toward greater sustainability and resiliency

#5 – Systematic Approach

ADB's Strategic Transport Planning Project



Multi-subregion: CMS
(CAREC, Mekong, SASEC)
Multi-mode: Road, Rail,
Water (Maritime & Inland)

- Identify infrastructure gap
- Prioritize investment projects
- Evaluate environmental impacts



Thank you.

