



URBAN CLIMATE  
CHANGE RESILIENCE  
TRUST FUND  
Asian Development Bank



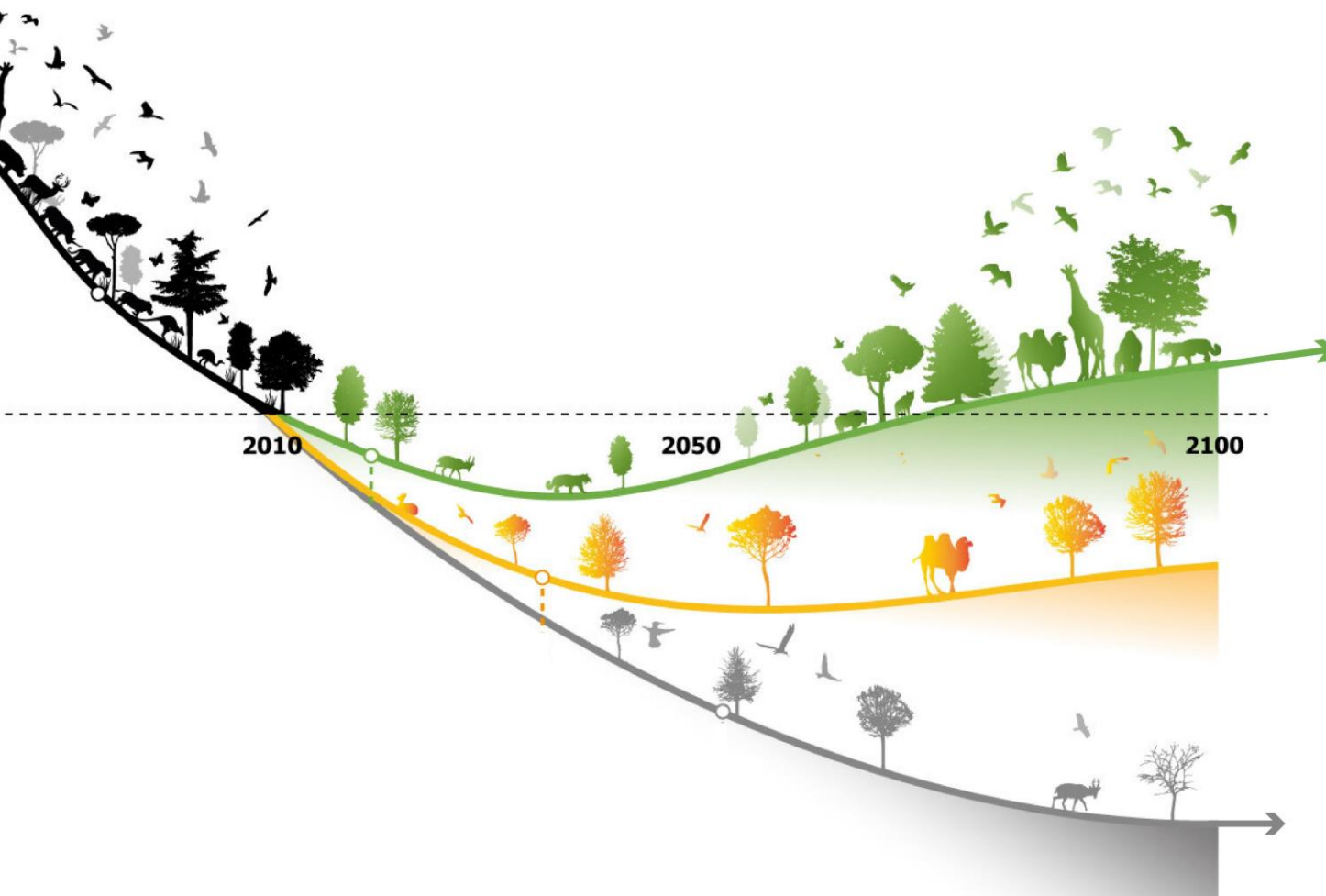
Nature and Climate Nexus: Promoting Nature-based Solutions (NbS)  
for Sustainable Infrastructures in Asia and the Pacific

# Challenges and Approaches in Quantifying NbS Benefit Streams

24 October 2022 (Monday) • 2–3 pm (Philippines/GMT+8) • Zoom

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# We need to shift beyond 'hard' infrastructure approaches towards integration and delivering value to natural ecosystems and communities



## + **Nature Based Solutions:**

“actions to protect, sustainably manage, and restore natural or modified ecosystems, that address societal challenges effectively and adaptively, simultaneously providing human wellbeing and biodiversity benefits.” (IUCN)

**“Business as usual” + shocks and stresses**

*Curve of biodiversity loss | Credit: Ammended from International Institute for Applied Systems Analysis*

*Source: <https://phys.org/news/2020-09-biodiversity-loss.html>*

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# Implementation of NbS is key to delivering outcomes across all resilience dimensions



## ECOLOGICAL RESILIENCE

- Integration of blue and green infrastructure at all scales
- Improving ecosystems through landscape management strategies
- Minimising ecological impacts
- Increasing biodiversity



## PHYSICAL RESILIENCE

- Reduced damage to infrastructure through adaptable infrastructure
- Natural elements providing protection against climate hazards



## SOCIAL & INSTITUTIONAL RESILIENCE

- Encourages systems thinking through mobilising community and cross sectoral and administrative boundaries
- Open green spaces providing areas for wellbeing and improved health

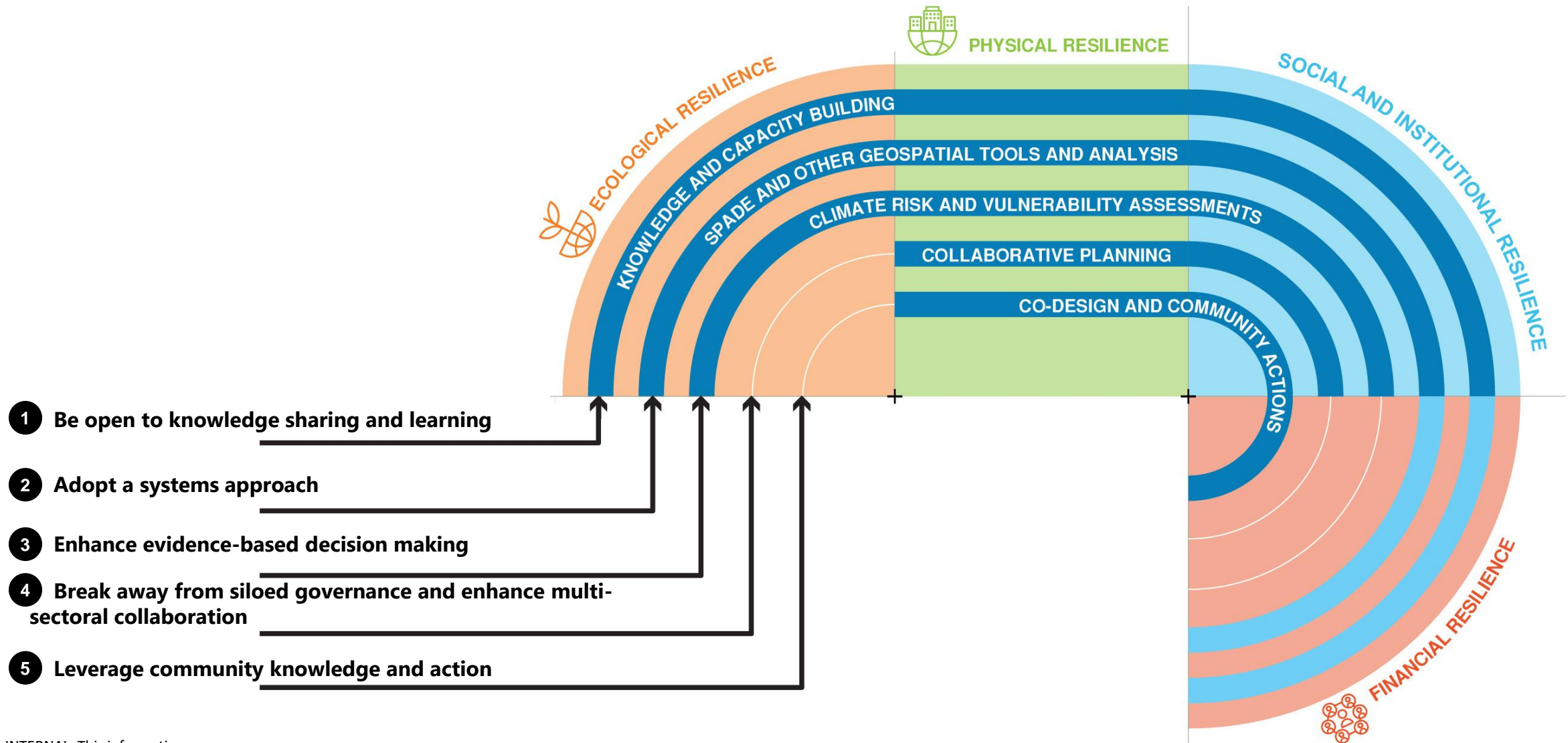


## FINANCIAL RESILIENCE

- Delivering greater efficiency through cost savings from avoided costs from future damages
- Delivering multiple benefits through integrated delivery
- Promoting circular economy principles



# UCCRTF has developed and applied tools and techniques that support NbS





# UCCRTF has compiled a knowledge product to share lessons and enable greater adoption of NbS



+

**NbS alignment with climate resilience, ADB operational objectives and meeting the goals of the Paris Agreement**

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**A summary of the UCCRTF Portfolio and Tools, and Techniques**

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**A summary of NbS benefit streams, indicators and metrics**

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**UCCRTF case studies**

+

**Further opportunity areas**

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**Please get in touch with the team to request a copy of the knowledge product:**

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# THANK YOU!

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