

# Green Road to Kunming

Promoting Quality/Sustainable Infrastructure in Asia and the Pacific

WORKSHOPS SERIES 2022

ADB

SESSION

3

## Greening Coastal Developments

23 June 2022 (Thursday)

10.30 a.m.–12.30 p.m., Manila time (GMT+8), Philippines (GMT+8)

**This session will showcase the multiple benefits of adopting green solutions in coastal development projects.**

**Moderator:** Yueyu Zou, Environment Specialist,  
Environment Thematic Group, Asian Development Bank

### Opening Remarks

- Noelle O'Brien, Chief of Climate Change and Disaster Risk Management Thematic Group concurrently Director, SDCCD, ADB

### Presentation 1: Resilience, Restoration and Regeneration in Coastal Development

- Mat Vanderklift, Director, IORA Indian Ocean Blue Carbon Hub and Principal Research Scientist, CSIRO

### Presentation 2: Insurance Tools to Support Nature-Based Solutions

- Josh Ling, Fund Manager, Asia-Pacific Climate Finance Fund (ACLiFF), ADB

### Q&A

### Presentation 3: Tools and Techniques to Detect Illegal Wildlife Trade in Seaports and Airports

- Cecilia Fischer, Consultant – Illegal Wildlife Trade Coordinator, ADB

### Presentation 4: Green Port Standards – A Regional Approach

- Russell Stevens, Principal Marine Scientist – Ports, O2 Marine

### Q&A

### Closing remarks

### LIVE SESSION

Please register at:

<https://bit.ly/3tvmHk3>

To receive the meeting ID and password



## SPEAKER BIOS

### MAT VANDERKLIFT

Director, IORA Indian Ocean Blue Carbon Hub and Principal Research Scientist, CSIRO

Dr Mat Vanderklift is a senior research scientist in CSIRO and director of the IORA Blue Carbon Hub. Mat has 25 years of experience studying coastal vegetated ecosystems, with a particular focus on understanding the factors which control plant growth, and their responses to the way that humans use them. He has worked in seagrass and other coastal ecosystems widely in the Indian Ocean, as well as in the Mediterranean and Caribbean Seas. His research in seagrass encompasses ecological aspects such as growth and food webs, as well as the policy, legal and financial frameworks. He leads a range of projects and activities that seek to enhance our understanding of blue carbon and improve the frameworks in which they are managed. He has published on the science of blue carbon and the relevance of international governance and finance frameworks to integrate blue carbon into climate mitigation and adaptation, and led a recent white paper on blue carbon finance for the Indian Ocean Rim Association.

**Presentation title:** Taking the Blue Road: Resilience, Restoration and Regeneration in Coastal Development



### JOSH LING

Fund Manager, Asia-Pacific Climate Finance Fund (ACliFF), Asian Development Bank

Josh Ling is a Climate Change Specialist at Asian Development Bank. He joined ADB in April 2020 as the Fund Manager of the Asia-Pacific Climate Finance Fund (ACliFF). Josh has experience working on the topics of disaster risk financing and financial inclusion through roles with World Food Programme, Mercy Corps, World Bank, and International Labour Organisation, based in Europe and Latin America. Prior to joining ADB, Josh worked as a Financial Inclusion Specialist at the World Food Programme in Rome. He started his career in the insurance sector, working as an actuary in Australia.

**Presentation title:** Insurance Tools to Support Nature-Based Solutions





## CECILIA FISCHER

Consultant – Illegal Wildlife Trade Coordinator, Asian Development Bank

Cecilia “Ceci” Fischer is the Illegal Wildlife Trade Coordinator for the Asian Development Bank, and is experienced in matters of illegal wildlife trade alongside marine conservation, with a focus on marine turtles. She assisted in coordinating the three-year ADB/GEF project “Combating Environmental Organized Crime in the Philippines”, which came to a successful close in 2021. To strengthen coordination on counter-IWT initiatives in Asia, Ceci developed an IWT Project Map and Database, and was engaged by the World Bank to conduct consultations on a regional Counter Wildlife Trafficking Development Partners Coordination Platform. She is also currently advancing national and transboundary inter-agency collaboration in the Sulu-Sulawesi Marine Ecoregion as Wildlife Law Enforcement and Prosecution Officer for WWF. Prior to that, she worked, among others, as an Intelligence Analyst for the Environmental Investigation Agency, co-authored 10-year Conservation Action Plans for Marine Turtles and Dugongs in the Philippines, and was part of conducting a Livelihood Feasibility Study to halt marine turtle egg poaching in the Philippine Turtle Islands.

**Presentation title:** Tools and Techniques to Detect Illegal Wildlife Trade in Seaports and Airports

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## RUSSELL STEVENS

Principal Marine Scientist – Ports, O2 Marine

Russell is an experienced Marine Scientist and Environmental Specialist with more than 15 years’ experience working in environmental management, particularly in the Ports industry, both in Australia and South East Asia. Russell has significant experience in development and implementation of environmental policies, management plans and sustainability strategies, aligning environmental management systems to international (ISO) standards, greenhouse and carbon reporting and coordinating environmental compliance programs for contaminated sites, air quality, waste management, noise, light pollution and marine environmental quality. Russell also has significant experience conducting audits and inspections of Port Policy, management systems, operational practices and infrastructure to ensure effective and efficient operations and environmental safeguards to minimise or prevent spills, discharges and emissions to the natural environment.

**Presentation title:** Green Port Standards – A Regional Approach





# Green Road to Kunming

## Promoting Quality/Sustainable Infrastructure in Asia and the Pacific

The ADB logo is a dark blue square with the white letters "ADB" inside.

WORKSHOPS SERIES 2022

28 April / 19 May / 23 June / 21 July

Environmentally sustainable and “green” infrastructure, including those applying nature-based solutions (NbS), are designed to deliver and/or protect a range of ecosystem services—such as water purification, air quality, space for recreation, and climate mitigation and adaptation—while avoiding or minimizing their impact on wildlife. Such infrastructure serves to support a green economy, reduce costs, create job opportunities, and enhance biodiversity.

Sustainable infrastructure planning is a successfully tested tool that provides environmental, economic, and social benefits through natural solutions. In many cases, it can reduce dependence on “grey” infrastructure that can be damaging to the environment and biodiversity, and can be more expensive to build and maintain. Sustainable Infrastructure upholds the G20 Principles for Quality Infrastructure Investment endorsed at the G20 Osaka Summit in 2019.

### Workshops Series

This series will demonstrate the multiple benefits—financial, economic, social, climate-related—of integrating green measures in infrastructure projects in the sectors of transport, energy, urban development and coastal development. The workshops are non-technical in nature, and designed primarily for government representatives, decision-makers, and stakeholders, in particular those attending the Convention on Biological Diversity (CBD) Conference of Parties (COP15), which will reconvene in Kunming, People’s Republic of China, in the third quarter of 2022.

The main objective of the CBD COP 15 Conference is to finalize and adopt the post-2020 Global Biodiversity Framework (GBF) which will guide urgent policy action at all levels to transform economic, social, and financial models, in order to stabilize biodiversity loss by 2030; and to allow the recovery of natural ecosystems, with net improvements, by 2050. Infrastructure development will play a fundamental role in achieving GBF targets, considering that Asia needs US\$1.7 trillion in infrastructure investment to sustain growth and quality of life in the face of urbanization and climate change.





# Green Road to Kunming Workshops Series

SESSION  
1

## Greening the Transport Sector

28 April 2022 (Thursday)  
12:30 p.m., Philippines (GMT+8)

This session will highlight the multiple benefits of adopting nature-based measures in wildlife-friendly linear transport projects.

**Moderator:** Karma Yangzom, Principal Environment Specialist, Safeguards Review and Environment Thematic Group, Asian Development Bank

- **Introduction: Greening the Transport Sector**
  - James Leather, Chief, Transport Sector Group
- **Embedding Nature-based Solutions in Transport Corridors**
  - Tony Wong, Professor of Sustainable Development, Monash Sustainable Development Institute
- **Avoidance of Ecological Damage: Cost/Benefit Analysis of Road Projects**
  - Kim Bonine, Training Director and Senior Analyst, Conservation Strategy Fund
- **Mitigations to Minimize Transport Infrastructure Impacts on Biodiversity**
  - Norris Dodd, Senior Natural Resource Specialist; AZTEC Engineering and International Wildlife Consultant, ADB
- **Modelling Biodiversity Impacts of Development Infrastructures and Identification of Potential Project Alternatives and Offset Areas**
  - Rebecca Pirzl, Group Leader, CSIRO Land and Water
- **Open Discussion**

SESSION  
3

## Greening Coastal Developments

23 June 2022 (Thursday)  
10:30 a.m., Philippines (GMT+8)

**Moderator:** Yueyu Zou, Environment Specialist, Environment Thematic Group, Asian Development Bank

- **Opening Remarks**
  - Noelle O'Brien, Chief of Climate Change and Disaster Risk Management Thematic Group concurrently Director, SDCD, ADB
- **Taking the Blue Road: Resilience, Restoration and Regeneration in Coastal Development**
  - Mat Vanderklift, Director, IORA Indian Ocean Blue Carbon Hub and Principal Research Scientist, CSIRO
- **Insurance Tools to Support Nature-Based Solutions**
  - Josh Ling, Fund Manager, Asia-Pacific Climate Finance Fund (ACiFF), ADB
- **Tools and Techniques to Detect Illegal Wildlife Trade in Seaports and Airports**
  - Cecilia Fischer, Consultant – Illegal Wildlife Trade Coordinator, ADB
- **Green Port Standards – A Regional Approach**
  - Russell Stevens, Principal Marine Scientist – Ports, O2 Marine
- **Open Discussion**

## Greening the Energy Sector

19 May 2022 (Thursday)  
12:30 p.m., Philippines (GMT+8)

This session will showcase the multiple benefits of adopting green solutions in energy project development.

**Moderator:** Francesco Ricciardi, Senior Environment Specialist, Safeguards Division and Environment Thematic Group, Asian Development Bank

- **Introduction: Greening the Energy Sector**
  - Priyantha Wijayatunga, Chief, Energy Sector Group, ADB
- **The Energy Transition and Renewables: the 1.5°C Challenge**
  - Ute Collier, Deputy Director of the Knowledge, Policy and Finance Centre, International Renewable Energy Agency (IRENA)
- **Promoting Nature-sensitive Renewable Energy while Protecting Migratory Species**
  - Ivan Ramirez, Energy Task Force, United Nations Convention on Migratory Species
- **eSensitivity Mapping – Avoiding Conflict Between Birds and Renewable Energy**
  - Duncan Lang, Senior Environment Specialist, ADB
  - Tris Allinson, Senior Conservation Scientist, Birdlife International
- **River Links – The Benefits of Functionally-based River Basin Assessments for Ensuring Sustainable Hydropower**
  - Alison Joubert, Director and Senior Consultant, Southern Waters Ecological Research and Consulting
  - Cate Brown, Director and Senior Consultant, Southern Waters Ecological Research and Consulting
- **Open Discussion**

SESSION  
2

## Roundtable of Champions

21 July 2022 (Thursday)  
12:30 p.m., Philippines (GMT+8)

Discussion will focus on principal takeaways from the three earlier workshop sessions, with speakers relating these to the situation in their respective countries, and how environmentally sustainable infrastructure planning could link to each country's contribution to the post-2020 Global Diversity Framework.

- **Introduction:** Key Messages from Workshop Series and Introduction to Participants
- **Roundtable Discussion** with Government Representatives
- **Message to CBD delegates** on green infrastructure and suggestions for programs/ activities contributing to the Post-2020 Biodiversity Framework

SESSION  
4

## CBD COP 15 Side Event Kunming, People's Republic of China

*In collaboration with World Wildlife Fund and other partners*

- Exhibit of key messages on environmentally sustainable infrastructure and key figures through works of infographic artist.
- Announcements by Senior Government Officials on green infrastructure-related commitments contributing to the Post-2020 Global Biodiversity Framework.