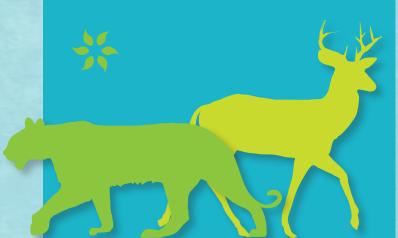


Join us in a global dialogue with leading experts from the field of green linear infrastructure for integrating principles of green growth, and concepts of smart planning into designing and planning of linear developments.



BACKGROUND

Transportation infrastructure projects invariably involve considerable land diversion and long-term investments. These projects also have the potential to cause severe impacts to the environment and wildlife. To counter these adverse effects of development, it is imperative to have capacity to address the negative impacts of linear infrastructure projects and also to harmonize conservation with development goals for sustainable development.

WHAT IS THE GOAL?

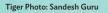
- To broaden and deepen understanding of principles of green growth, and concepts of smart planning into transport infrastructure development.
- Build capacity to promote ecologically friendly and sustainable road and rail development projects.
- This training programme also aims to build capacity for conserving and managing natural capital during planning and implementation of transportation projects.

WHO IS IT FOR?

This training is oriented towards building capacity of individuals and organizations working in the implementation of Green Linear Infrastructure projects in the transportation sector.

Attendees of the training will leave with an understanding of:

- 1. Impact of linear infrastructure on animals and context specific mitigation measures.
- Importance of natural capital and ecosystem services in the planning and implementation of transportation projects.
- 3. Promoting sustainable development and conservation in connected habitats.
- Green infrastructure principles for combining conservation and smart development goals.







ASIAN DEVELOPMENT BANK in partnership with the WILDLIFE INSTITUTE OF INDIA

presents a Webinar Series to foster a global dialogue in the field of green linear infrastructure for integrating principles of green growth, and concepts of smart design and planning, into linear developments.

Why Connectivity Matters? and How to Develop Models of Connectivity for Different Species?





INDRANIL MONDAL
Project Scientist,
Wildlife Institute of India

Ecological Considerations in Planning and Mitigation Measures and Capacity Building Needs for Effective Conservation Alongside Linear Infrastructure





FRASER SHILLING
Director,
Road Ecology Center
Institute of Transportation Studies,
University of California, Davis



V.B. MATHUR Chairperson, National Biodiversity Authority,

Natural Capital Conservation Amidst Development and the Role of Governance in Planning Conservation Friendly and Sustainable Transportation Projects





ELIZABETH FAIRBANK
Corridors & Crossings Program Officer,
Center for Large Landscape Conservation,
Bozeman, MT, USA



ASHA RAJVANSHI Former Head, Environmental Impact Assessment Cell, Wildlife Institute of India, Dehradun – Uttarakhand, India



Lessons from the Field: Success Stories of Mitigation Measures in Maintaining and Enhancing Connectivity and Concluding Session: Summing up of the Webinar Series with Key Takeaways

10 FEBRUARY 2022



ROB AMENT
Senior Conservationist,
Center for Large
Landscape Conservation,
Bozeman, MT, USA



TONY CLEVENGER
Senior Research Scientist,
Western Transportation
Institute, Montana State
University, Bozeman, MT, USA



BILAL HABIB
Scientist-E & Head of Animal
Ecology & Conservation Biology,
Wildlife Institute of India



V.B. MATHUR Chairperson, National Biodiversity Authority, India



DHANANJAI MOHAN
Director,
Wildlife Institute of India



25
NOVEMBER
2021

Why Connectivity Matters? and How to Develop Models of Connectivity for Different Species?

This webinar explores the concept of landscape connectivity and answers the following -

- How fragmentation caused by human activities disrupts animal movements and habitats, threatens biodiversity and climate change adaptation.
- How infrastructure development is in direct conflict with conservation and that the need of the hour is to create a balance - for conservation and development to go hand in hand, complementing—rather than conflicting with—each other.
- Implications of maintaining connectivity in developing nations.
- Science behind connectivity modeling and identifying important areas of animal movement across landscapes.
- Developing different models of connectivity specific to species (e.g., width of a corridor).

13
JANUARY
2022

Natural Capital Conservation Amidst Development and The Role of Governance in Planning Conservation Friendly and Sustainable Transportation Projects

Nature is our life-support system and connectivity is essential for the preservation of biological diversity. Healthy habitats are crucial to the health and well-being of all species on Earth, and we must ensure to build green linear infrastructure while simultaneously protecting, improving, and restoring habitats - To make sure that people and animals continue to benefit from the products and services that nature provides.

The aim of this session is to showcase the importance of linking research to end users by bridging the roles of academics, policymakers, and society. To demonstrate that to develop successful, sustainable green infrastructure, it is imperative to have partnerships that protect ecological connectivity, meet the needs of local communities, and conserve vital environmental resources, natural capital, and wildlife populations. All of which can only be achieved by the direct involvement and partnership with stakeholders from the policy and government sector.

16
DECEMBER 2021

Ecological Considerations in Planning and Mitigation Measures and Capacity Building Needs for Effective Conservation AlongsideLinear Infrastructure

It is more important than ever to balance environmental conservation with the rapid development of linear infrastructure. This resultant 'Green linear infrastructure' can be understood simply as a 'design and develop with nature' concept (Examples from India and other countries).

A wide network of individuals and organisations, from the government to the civil sector, play a significant role in collaborating, planning and constructing linear infrastructures. These roads, railways, transmission lines and canals, and such, are a significant cause of fragmentation and biodiversity loss around the world.

It makes the Capacity Building efforts of these key stakeholders absolutely crucial—to develop strategies that can help reverse this trend of biodiversity loss, in a coordinated manner.

10
FEBRUARY
2022

Lessons from the Field: Success Stories of Mitigation Measures in Maintaining and Enhancing Connectivity and Concluding Session: Summing up of the Webinar Series with Key Takeaways

Lessons from the field: Success stories of mitigation measures in maintaining and enhancing connectivity.

Established best practices, recommendations, and principles with real life successful examples of mitigation measures by wildlife biologists.

Concluding Session:

Summing up of the Webinar Series - Expert comments with key takeaways at this concluding session by a panel of speakers.

Greening Transportation Projects





WEBINAR SERIES 1

Why Connectivity
Matters and How
to Develop Models
of Connectivity
for Different Species?

25 Nov 2021

4:00-5:00 pm Philippines (GMT+8) 1:30-2:30 pm India (GMT+5:30)



MODERATOR



ISAO ENDO
Environment Specialist,
Environment Thematic Group, Sustainable
Development and Climate Change Department,
Asian Development Bank

4-4:05 p.m.

Opening Remarks and Inauguration



KARMA YANGZOM
Principal Environment Specialist,
Safeguards Division,
Sustainable Development and
Climate Change Department,
Asian Development Bank

4:30-4:35 p.m.

Questions and Answers

4:35-4:55 p.m.

Open Discussion with Participants

- Challenges and opportunities in implementing Green Linear Infrastructure projects
- Identifying capacity building needs



4:05-4:10 p.m.

Background and Objectives



BILAL HABIB
Scientist-E & Head of Animal
Ecology & Conservation Biology,
Wildlife Institute of India

4:10-4:30 p.m. Why Co

Why Connectivity Matters and Developing Models



INDRANIL MONDAL
Project Scientist,
Wildlife Institute of India

4:55-5 p.m.

Closing Remarks



V.B. MATHUR Chairperson, National Biodiversity Authority, India



Greening Transportation Projects





WEBINAR SERIES 2

Ecological Considerations in Planning and Mitigation Measures and Capacity Building Needs for Effective Conservation Alongside Linear Infrastructure

16 Dec 2021

11 a.m.-12 p.m. Philippines (GMT+8) 8:30-9:30 a.m. India (GMT+5:30)



11-11:05 a.m.

Introduction to Webinar II



Registration HERE









Principal Environment Specialist, Safeguards Division, Sustainable Development and Climate Change Department, Asian Development Bank

11:05-11:45 a.m.

Planning Mitigation Measures and Capacity Building Needs for Green Linear Infrastructure



V.B. MATHUR
Chairperson,
National Biodiversity Authority,
India



FRASER SHILLING
Director,
Road Ecology Center
Institute of Transportation Studies,
University of California, Davis

11:45 a.m.-12 p.m.

Q&A and Open Discussion





Greening Transportation Projects





WEBINAR SERIES 3

Natural Capital Conservation Amidst Development and the Role of Governance in Planning Conservation Friendly and Sustainable **Transportation Projects**

11 a.m.-12 p.m. Philippines (GMT+8) 8:30-9:30 a.m. India (GMT+5:30)



11-11:05 a.m.

Introduction to Webinar III



MODERATOR

KARMA YANGZOM Principal Environment Specialist, Safeguards Division, Sustainable Development and Climate Change Department, Asian Development Bank

11:05-11:45 a.m.

Natural Capital Conservation and Governance in Planning Sustainable **Transportation Projects**



ELIZABETH FAIRBANK

Corridors & Crossings Program Officer, Center for Large Landscape Conservation, Bozeman, MT, USA



ASHA RAJVANSHI

Former Head, Environmental Impact Assessment Cell, Wildlife Institute of India, Dehradun - Uttarakhand, India





11:45 am-12:00 pm

Q&A and Open Discussion







WEBINAR SERIES 4

Lessons from the Field Success Stories of Mitigation
Measures in Maintaining and
Enhancing Connectivity and
Concluding Session -Summing
up of the Webinar Series with
Key Takeaways

10 Feb 2022

11 a.m.-12:30 p.m. Philippines (GMT+8) 8:30-10 a.m. India (GMT+5:30)



This webinar shares established best practices, recommendations, and principles with real life successful examples of mitigation measures by wildlife biologists. The series concludes with key takeaways from panel of experts on the field of green linear infrastructure.

An enriching dialogue among stakeholders on how to build capacity for conserving and managing natural capital during planning and implementation of transportation projects. We learn about the real-life examples and case studies that showcase the positive effects of green linear infrastructure on biodiversity. We also get a glimpse into the science and work that goes behind building the world's largest mitigation measures in India. Our experts bring forth the administrative capacity constraints in planning green transportation project as it remains one of the biggest challenges for avoiding and mitigating potential impacts of road, rail and other transport infrastructure. Finally, the way forward - to enable mainstreaming of conservation issues and biodiversity concerns into the decision-making process of transportation projects. The objective is to build capacity for a range of stakeholders in harmonizing conservation and development, and retrofitting and investing in nature-based infrastructure development.

MODERATOR



MALVIKA ONIAL
Scientist D, Animal Ecology
& Conservation Biology and
Associate Nodal Officer,
Environmental Impact
Assessment Cell, Wildlife
Institute of India

11-11:05 a.m. Opening Remarks



JAMIE LEATHER
Chief of Transport Sector Group,
Sustainable Development and
Climate Change Department,
Asian Development Bank

11:05 a.m.-12:05 p.m.

Success Stories of Mitigation Measures in Greening Transportations Projects

Status of Linear Infrastructure
Safeguard Capacity in Asia (15 mins)



ROB AMENT Senior Conservationist, Center for Large Landscape Conservation, Bozeman, MT, USA

Case Studies and Key Learning:
Canada and Nepal Projects (15 mins)



TONY CLEVENGER Senior Research Scientist, Western Transportation Institute, Montana State University, Bozeman, MT, USA

Implementation Challenges:
Learnings and Experiences (10 mins)



DHANANJAI MOHAN Director, Wildlife Institute of India

Miles to go: Key Take-aways from Green Linear Infrastructure Development Initiatives: The Asian Experience (10 mins)



V.B. MATHUR Chairperson, National Biodiversity Authority, India

World's Largest Mitigation Measures in India (10 mins)



BILAL HABIB
Scientist-E & Head of Animal Ecology
and Conservation Biology,
Wildlife Institute of India

12:05-12:25 p.m. Interactive Session: Ask the Panel of Experts

12:25-12:30 p.m. Summary of the Series and Closing Remarks





BILAL HABIB
Scientist-E & Head of Animal Ecology
and Conservation Biology,
Wildlife Institute of India