

Training programme

Building capacity for conserving and managing natural capital during the planning and implementation of transportation projects in South Asia

(15th - 19th July 2019)

Day One: (Monday) – 15th July 2019

INAUGURAL SESSION

- 09:30 – 09:40 Welcome remarks – *Dr. Vinod Mathur, Director, Wildlife Institute of India (WII)*
- 09:40 – 09:55 Introduction to the course – *Dr. Malvika Onial, Scientist ‘D’ Wildlife Institute of India (WII)*
- 09:55 – 10:15 Introduction of the participants – *Dr. Asha Rajvanshi, Senior Professional Fellow and Former Scientist ‘G’, Wildlife Institute of India (WII)*
- 10:15 – 11:00 Keynote address – *Shri Praveen Pardeshi, IAS, Commissioner, Brihanmumbai Municipal Corporation, Mumbai*

11:00 – 11:30

GROUP PHOTO SESSION AND TEA BREAK

TECHNICAL SESSION – I CONSERVATION AND MANAGEMENT OF NATURAL CAPITAL

- 11:30 – 12:15 Why, What and How to Protect Natural Capital in the Planning and Implementation of Transportation Projects – *Mr. Francisco Ricciardi, Environment Specialist, Asian Development Bank*
- 12:15 – 13:00 Conservation and Management of Natural Capital for achieving Sustainable Development Goals – *Dr. Malvika Onial*

13:00 – 14:00

LUNCH

TECHNICAL SESSION – II PROMOTING SUSTAINABLE DEVELOPMENT AND CONSERVATION IN CONNECTED HABITATS

- 14:00 – 14:30 Review of global development trends in road and rail sectors and challenges for biodiversity conservation – *Dr. Vinod Mathur*
- 14:30 – 15:30 Short Film – From Killer Roads to Humane Highways – *Dr. Shekhar Dattatri*
- 15:00 – 15:30** **TEA**

15:30 – 16:15	The relevance of mainstreaming biodiversity in planning and implementation of development projects – <i>Dr. Asha Rajvanshi</i>
16:15 – 17:00	Framework for mainstreaming biodiversity in planning and implementation of developments in transportation sector – <i>Dr. Malvika Onial</i>
17:00	End of Day 1
20:00	COURSE DINNER HOSTED BY DIRECTOR, WII AT REGENTA HOTEL

Day Two (Tuesday) - 16th July 2019

TECHNICAL SESSION – III GREEN INFRASTRUCTURE PRINCIPLES FOR COMBINING CONSERVATION AND SMART DEVELOPMENT GOALS

09:15 – 09:30	Recap of Day 1
09:30 – 10:15	Nature engineering principles and elements of smart green infrastructure – <i>Dr. Asha Rajvanshi</i>
10:15 – 11:00	Relevance of transportation ecology in promoting green transportation infrastructure – <i>Dr. Asha Rajvanshi</i>
11:00–11:30	Coffee Break
11:30 – 12:15	Planning road development in high value conservation forests: New insights – <i>Dr. Vinod Mathur</i>
12:15 – 13:00	Prospects and challenges of greening transport infrastructure in South Asia: An overview – <i>Mr. Norris Dodd, ADB Consultant</i>
13:00 – 14:00	LUNCH
	TECHNICAL SESSION – IV DEVELOPING CONTEXT SENSITIVE SOLUTIONS FOR ROAD AND RAIL SECTORS: CASE STUDIES
14:00 – 15:00	Impacts of Railways on Elephants –Experience from India – <i>Mr. Ajay A. Desai, Consultant</i>
15:00 – 15:30	TEA
15:30 – 16:30	Impacts of Railways on Elephants: Experience from Bangladesh – <i>Mr. Norris Dodd</i>

Day Three (Wednesday) – 17th July 2019

TECHNICAL SESSION – V SENSITIVE PLANNING AND SMART GREEN GROWTH APPROACHES FOR MORE PRAGMATIC MITIGATION OPTIONS

- 09:30 – 10:15 Good practice guidance for infrastructure development and design: Experiences from India – *Dr. Asha Rajvanshi*
- 10:15 – 11:00 Promoting Eco-friendly measures to mitigate impacts of linear infrastructure developments on wildlife: From best practice prescriptions to implementation – *Dr. Vinod Mathur*
- 11:00 – 11:30 TEA**
- 11:30 – 12:30 Implementation of wildlife mitigation measures: Governance challenges – *Dr. Norris Dodd*
- 12:30 – 13:30 LUNCH**
- 13:30** Leave for field trip to review the conservation challenges associated with the linear infrastructure projects (Rail and Road) – *Dr. Bivash Pandav, Scientist - F, WII; Dr. Anil Kr. Singh, Team Leader-Terai Arc Landscape, WWF-India & Dr. Asha Rajvanshi*
- 20:00 DINNER**

Day Four (Thursday) – 18th July 2019

TECHNICAL SESSION – VI DEVELOPING CONTEXT SENSITIVE SOLUTIONS FOR ROAD AND RAIL SECTORS

- 09:30 – 10:15 Developing context sensitive solutions for road and rail sectors: Lessons learnt from road projects in North America and other countries – *Mr. Norris Dodd*
- 10:15 – 11:00 Developing context sensitive solutions for other linear infrastructure projects – *Dr. Suresh Kumar*
- 11:00 – 11:30 TEA**

**TECHNICAL SESSION – VII GOING BEYOND REACTIVE
MITIGATION: PLANNING TOOLS AND FINANCING OPTIONS**

11:30 – 12:15	Strategic Environmental Assessment (SEA): A pro-active approach to avoid reactive mitigation – <i>Dr. Asha Rajvanshi</i>
12:15 – 13:00	Introduction to a SEA Plan: Hands-on Exercise – <i>Dr. Asha Rajvanshi</i>
13:30 – 14:00	LUNCH
14:00 – 15:00	<i>Group Work</i>
15:00 – 15:30	TEA
15:30 – 17:00	Review Group exercise – <i>Dr. Asha Rajvanshi</i>
20:00	DINNER

Day Five (Friday) – 19th July 2019

**TECHNICAL SESSION– VIII INCENTIVIZING CONSERVATION
FOR MANAGING RESIDUAL IMPACTS OF DEVELOPMENT
PROJECTS**

09:30 – 10:15	Offsets for compensating residual impacts: Concept to practice – <i>Dr. Asha Rajvanshi</i>
10:15 – 11:00	Case examples of offsets – <i>Dr. Vinod Mathur</i>
11:00 – 11:30	TEA
11:30 – 12:00	Introduction to Group exercise for evaluating an offset scheme for linear developments in a forested landscape – <i>Dr. Vinod Mathur & Dr. Asha Rajvanshi</i>
12:00 – 13:00	Group work and presentation
13:30 – 14:00	LUNCH
14:00 – 14:30	Course Feedback
14:30 – 15:00	Concluding session
15:00	TEA
