

# International Conference on Forest Landscape Restoration under Global Change

## A CONTRIBUTION TO THE IMPLEMENTATION OF THE BONN CHALLENGE “Synthesising and sharing globally available forest-related scientific knowledge”

San Juan, Puerto Rico, 6-9 June 2017

### Programme

- 5 June: Early Arrival Icebreaker, 7:00-9:00 p.m. at Condado Palm Inn & Suites
- 6 to 7 June: Knowledge-sharing workshop “Translating global FLR policy into local action”
- 8 June: Knowledge-sharing workshop (Field trip)
- 9 June: Ministerial-level dialogue: “Shaping policy for FLR implementation”

### Knowledge-sharing Workshop “Translating global FLR policy into local action”

Venue: International Institute of Tropical Forestry

1201 Calle Ceiba, Jardín Botánico Sur, San Juan, PR 00926-1119

<https://www.fs.usda.gov/iitf>

DAY 1	Time	Subject	Responsible
6 June 2017	08:00-08:30	Depart Condado Palm Hotel to International Institute of Tropical Forestry (IITF), USDA Forest Service	
	08:30-09:00	Registration	Workshop Organisers
		<b><u>OPENING OF THE WORKSHOP</u></b> <i>Moderator: Andreas Bolte, von Thünen Institute</i>	
	09:00-09:30	<ul style="list-style-type: none"> <li>Welcome and opening remarks by Host Organisations</li> </ul>	Leslie Weldon, US Forest Service; Horst Freiberg, BMUB; Ariel Lugo, International Institute of Tropical Forestry (IITF); John Parrotta, IUFRO (Vice President)
	09:30-10:00	<ul style="list-style-type: none"> <li>Keynote Address: Integrated Landscape Approaches for FLR Implementation</li> </ul>	Jose Campos, Costa Rica
	10:00-11:00	<b><u>LONG-TERM EXPERIENCE OF LANDSCAPE RESTORATION</u></b> <i>Key message: As history has shown, FLR needs to be conceptualised as long-term undertaking, in order to yield sustainable outcomes. (15 min. each)</i> <i>Moderator: Bastiaan Louman, CATIE</i>	

6 June 2017		<ul style="list-style-type: none"> <li>Integration of reforestation policy in Korea</li> </ul>	Yeo-Chang Youn, Seoul national University, Republic of Korea
		<ul style="list-style-type: none"> <li>Contribution of plantations to restoration of biodiversity</li> </ul>	John Parrotta, US Forest Service, US
		<ul style="list-style-type: none"> <li>Costa Rica</li> </ul>	Bryan Finegan, CATIE, Costa Rica
		<b><u>Audience Q&amp;A and Discussions</u></b>	
	11:00-11:30	Tea/Coffee Break	
	11:30-13:00	<b><u>GOVERNANCE AND FOREST LANDSCAPE RESTORATION</u></b>	
		<p><i>Key message: Unleashing large-scale FLR implementation requires changes to policy frameworks, tenure systems and institutional arrangements. (15 min. each)</i></p> <p><i>Moderator: Sabine Reinecke, University Freiburg</i></p>	
		<ul style="list-style-type: none"> <li>Why is governance important for FLR implementation?</li> </ul>	Stephanie Mansourian, Consultant, Switzerland
		<ul style="list-style-type: none"> <li>Initiative 20x20: a country-led effort to change the dynamics of land degradation in Latin America and the Caribbean</li> </ul>	Rene Zamora, World Resources Institute, US
		<ul style="list-style-type: none"> <li>Land tenure / access to land (Ghana)</li> </ul>	Ernest Foli, Forest Research Institute of Ghana
6 June 2017		<ul style="list-style-type: none"> <li>Institutional arrangement (Atlantic Forest Pact)</li> </ul>	Severino Pinto, Centro de Pesquisas Ambientais do Nordeste/CEPAN, Brazil
		<b><u>Audience Q&amp;A and Discussions</u></b>	
	13:00-14:00	Lunch	
	14:00-15:15	<b><u>FLR PROJECT PLANNING AND MONITORING</u></b>	
		<p><i>Key message: Structuring and organising FLR processes at the national and local levels including effective evaluation require adequate planning and monitoring tools. Existing tools need to be adapted to support FLR implementation. (15 min. each)</i></p> <p><i>Moderator: Michael Kleine, IUFRO</i></p>	
		<ul style="list-style-type: none"> <li>National-level planning tools (ROAM &amp; Bonn Challenge Barometer)</li> </ul>	Chetan Kumar, IUCN, US
		<ul style="list-style-type: none"> <li>Local-level FLR planning</li> </ul>	Promode Kant, Institute of Green Economy, India
		<ul style="list-style-type: none"> <li>Towards harmonized and cost-effective monitoring frameworks for FLR</li> </ul>	Faustine Zoveda, FAO, Italy
		<ul style="list-style-type: none"> <li>Linking the global with the local: Participatory monitoring and forest restoration</li> </ul>	Manuel Guariguata, CIFOR, Peru
		<b><u>Audience Q&amp;A and Discussions</u></b>	
6 June 2017	15:15-17:00	<b><u>GETTING STARTED WITH RESTORATION</u></b>	

	<p><i><b>Key message:</b> Beginning the implementation of a FLR project is a process of turning goals into clear and measurable objectives and actions, including understanding what feasible interventions in the target landscape are. (15 min. each)</i></p> <p><i>Moderator: Shira Yoffe, US Forest Service</i></p>	
	<ul style="list-style-type: none"> <li>Enhancing the role of natural regeneration in large-scale forest and landscape restoration</li> </ul>	Robin Chazdon, World Resources Institute / University of Connecticut, US
	<ul style="list-style-type: none"> <li>Framework species approach to restoring tropical forests</li> </ul>	Stephen Elliott, Chang Mai University, Thailand
	<ul style="list-style-type: none"> <li>Factors that affect uptake of tree conservation and planting in agricultural farms in Costa Rica</li> </ul>	Bastiaan Louman, CATIE, Costa Rica
	<ul style="list-style-type: none"> <li>Integrating trees in agricultural landscapes with agroforestry</li> </ul>	Lars Graudal, ICRAF, Kenya; and University of Copenhagen, Denmark
	<ul style="list-style-type: none"> <li>Forest recovery after agriculture in Puerto Rico</li> </ul>	Ariel Lugo, IITF, Puerto Rico
16:30-17:00	<p><b>Audience Q&amp;A and Discussions</b></p>	
17:00-18:00	<p><b>FLR IMPLEMENTATION APPROACHES</b> <i>Poster Session with presentations and audience Q&amp;A. Examples of FLR implementation approaches from various regions. Mix of presentations (2-3 minutes each) and moderated discussion.</i></p> <p><i>Moderator: John Stanturf, US Forest Service</i></p>	
	<ul style="list-style-type: none"> <li>Underplanting Chilean Nothofagus</li> </ul>	Pablo Donoso, Universidad Austral de Chile
	<ul style="list-style-type: none"> <li>Manipulating agricultural watershed hydrology with short tree phases</li> </ul>	Richard Harper, Murdoch University, Australia
	<ul style="list-style-type: none"> <li>Analysis of forest ecosystem restoration on post-mine oil-shale quarries</li> </ul>	Diana Laarmann, Estonian University of Life Sciences
	<ul style="list-style-type: none"> <li>Lake Chilwa, Malawi</li> </ul>	Steve Makungwa, Lilongwe University of Agriculture and Natural Resources, Malawi
	<ul style="list-style-type: none"> <li>Mt. Fuji reforestation project: Corporate social responsibility on ecological forest restoration in conifer plantations in Japan</li> </ul>	Takuo Nagaike, Yamanashi Forest Research Institute, Japan
	<ul style="list-style-type: none"> <li>Restoring moist tropical forests</li> </ul>	Cesar Sabogal, Peru
	<ul style="list-style-type: none"> <li>Cluster planting as a lower cost alternative</li> </ul>	Somidh Saha, University of Freiburg, Germany
	<ul style="list-style-type: none"> <li>Agroforestry for FLR in central Asia</li> </ul>	Niels Thevs, University of Central Asia, Kyrgyzstan
	<ul style="list-style-type: none"> <li>FLR in West Africa through community forestry: Keys to success</li> </ul>	Susan Charnley, US Forest Service, US
18:00-20:00	<p><b>Dinner on site &amp; Launching of an IUFRO Publication:</b> "Implementing Forest Landscape Restoration. A Practitioner's Guide"</p>	
20:00	Return to Condado Palm Hotel	

DAY 2	Time	Subject	Responsible
7 June 2017	08:00	Depart Condado Palm Hotel to International Institute of Tropical Forestry	
	08:30-10:15	<b><u>FLR IMPLEMENTATION APPROACHES</u></b> <i>Key message: A wealth of knowledge and experiences on technical and socio-economic aspects of restoring forests and landscapes has been accumulated over time. Understanding and applying this knowledge will help to fast-track large-scale FLR implementation.</i> <i>Moderator: Jorge Quesada, El Salvador Ministry of Environment</i>	
		<ul style="list-style-type: none"> <li>Rehabilitation of degraded land with native tree species in central-Kalimantan</li> </ul>	Johannes Schwegler, Fairventures Worldwide FVW GmbH, Germany
		<ul style="list-style-type: none"> <li>Landscape Governance Capacity Framework - a framework for assessment and strategic guidance of landscape initiatives</li> </ul>	Ilse Hennemann, Wageningen University & Research, the Netherlands
		<ul style="list-style-type: none"> <li>Ethiopia (building productive landscapes)</li> </ul>	Agena Anjulo, Ethiopian Forest Research Institute
		<ul style="list-style-type: none"> <li>FLR through Conservation and SFM in Sabah, Malaysia</li> </ul>	Robert Ong, Sabah Forestry Department, Malaysia
		<ul style="list-style-type: none"> <li>Sustainable management moist tropical forests</li> </ul>	Plinio Sist, CIRAD, France
		<ul style="list-style-type: none"> <li>Mapping social landscapes</li> </ul>	Sabin Ray, World Resources Institute, US
		<ul style="list-style-type: none"> <li>Restoring keystone species through biotechnology</li> </ul>	Douglass Jacobs, Purdue University, US
	10:15-11:15	<b><u>FLR IMPLEMENTATION APPROACHES (continued)</u></b> <i>Poster Session with presentations and audience Q&amp;A. Ten examples of FLR implementation approaches from various regions. Mix of presentations (2-3 minutes each) and moderated discussion.</i> <i>Moderator: Stephanie Mansourian, Consultant</i>	
		<ul style="list-style-type: none"> <li>FLR in Rwanda</li> </ul>	Innocent Bisangwa, Ministry of Agriculture and Animal Resources of Rwanda
		<ul style="list-style-type: none"> <li>FLR in Chile</li> </ul>	Rodrigo Vargas, Universidad de la Frontera, Chile
		<ul style="list-style-type: none"> <li>FLR implementation approaches in El Salvador</li> </ul>	Jorge Ernesto Quezada Diaz, Ministry of Environment and Natural Resources, El Salvador
		<ul style="list-style-type: none"> <li>FLR in Mongolia</li> </ul>	Batkhuu Nyam-Osor, National University of Mongolia
		<ul style="list-style-type: none"> <li>FLR in Myanmar/SE Asia</li> </ul>	Ohn Lwin, WWF, Myanmar
		<ul style="list-style-type: none"> <li>FLR in Kyrgyzstan</li> </ul>	Muslim Rajapbaev, Forest Research Institute of National Academy of Sciences, Kyrgyzstan

7 June 2017		<ul style="list-style-type: none"> <li>FLR in Uzbekistan</li> </ul>	Evgeni Botman, Ministry of Agriculture and Water Resources, Uzbekistan
		<ul style="list-style-type: none"> <li>FLR in India</li> </ul>	Promode Kant, Institute of Green Economy, India
	11:15-11:45	Tea/Coffee Break	
	11:45-13:00	<b><u>FLR AND CLIMATE CHANGE ADAPTATION</u></b> <i>Key message: Adaptive restoration strategies may be incremental, anticipatory, or transformational, depending on their time perspective and tolerance of novelty.</i> <i>Moderator: Andreas Bolte, von Thünen Institute</i>	
		<ul style="list-style-type: none"> <li>Strategies for adapting FLR to climate change</li> </ul>	John Stanturf, US Forest Service, US
		<ul style="list-style-type: none"> <li>Adaptive measures- a view on global regions</li> </ul>	Andreas Bolte, von Thünen Institute, Germany
		<ul style="list-style-type: none"> <li>Forest stand management regimes under changing environmental conditions</li> </ul>	Jürgen Bauhus, University of Freiburg, Germany
		<ul style="list-style-type: none"> <li>Assisted migration: intentionally moving species or populations to mitigate changes in climate</li> </ul>	Kas Dumroese, US Forest Service, US
		<ul style="list-style-type: none"> <li>Seeking provenances/species that will be better adapted to future climate</li> </ul>	Palle Madsen, University of Copenhagen, Denmark
	13:00-14:00	Lunch	
	14:00-15:00	<b><u>FLR SUCCESS STORIES</u></b> <i>Poster session with presentations and audience Q&amp;A. Ten more examples of FLR implementation approaches from various regions. Mix of presentations (2-3 minutes each) and moderated discussion.</i> <i>Moderator: Janice Burns, IUFRO and IFSA</i>	
		<ul style="list-style-type: none"> <li>A global online survey on forest adaptation and forest restoration - concept and first results</li> </ul>	Markus Höhl, von Thünen Institute, Germany
		<ul style="list-style-type: none"> <li>New international restoration standards provide guidance for improving ecological and biodiversity outcomes of forest landscape restoration</li> </ul>	Bethanie Walder, Society for Ecological Restoration, US

Isabel Gutiérrez, CATIE, Costa Rica

Stephan Pietsch, International Institute for Applied Systems Analysis, Austria

Jennifer Schulz, University of Potsdam, Germany

Appolinaire Razafimahatratra, Madagascar

7 June 2017		<ul style="list-style-type: none"> <li>Using fast growing commercial tree species to promote native forest restoration</li> </ul>	Nino T. Amazonas, Jürgen Bauhus, Pedro H. S. Brancalion, University of Freiburg, Germany
		<ul style="list-style-type: none"> <li>The right tree for the right place</li> </ul>	Lars Graudal, Roeland Kindt, ICRAF, Kenya
		<ul style="list-style-type: none"> <li>Lessons Learned about applied nucleation as a tropical forest restoration strategy</li> </ul>	Janelle Sylvester, Karen D. Holl, J. Leighton Reid, and R. A. Zahawi, University of Puerto Rico, US
	15:00-15:30	<i>Tea/Coffee Break</i>	
	15:30-17:00	<b><u>INVESTING IN FLR IMPLEMENTATION</u></b> <i>Key message: Investors have different motivations for investing in forest landscape restoration and therefore different expectations of returns. Financing FLR is a matter of matching investor goals with environmental and livelihoods needs.</i> <i>Moderator: Till Pistorius, Unique Forestry and Landuse Consulting</i>	
		<ul style="list-style-type: none"> <li>Financing strategies</li> </ul>	Faustine Zoveda, FAO, Italy
		<ul style="list-style-type: none"> <li>Coordinating finance across sectors</li> </ul>	Louis Wertz, EcoAgriculture Partners, US
		<ul style="list-style-type: none"> <li>Seed capital assistance facility for FLR</li> </ul>	Martin Cremer, Frankfurt School of Finance, Germany
		<ul style="list-style-type: none"> <li>Catalyzing Investments in Landscape Restoration</li> </ul>	Ulrich Apel, GEF, US
		<b><u>Audience Q&amp;A and Discussions</u></b>	
	17:00-17:30	<b><u>CLOSING OF KNOWLEDGE SHARING WORKSHOP</u></b> <i>Moderator: Michael Kleine, IUFRO</i>	
		<ul style="list-style-type: none"> <li>Presentation of consolidated findings of the workshop</li> </ul>	Andreas Bolte, John Stanturf
		<ul style="list-style-type: none"> <li>Closing remarks</li> </ul>	Leslie Weldon; Horst Freiberg; Ariel Lugo; John Parrotta
	18:00-20:00	<b><u>Dinner on site</u></b>	
	20:00	<b><u>Return to Condado Palm Hotel</u></b>	

## Field Trip to FLR Sites near San Juan (Puerto Rico)

DAY 3	Time	Subject	Responsible
8 June 2017	08:00	Departure from Condado Palm Hotel	Workshop Organisers
	08:00 – 09:00	Drive from Hotel to El Verde Field Station	
	09:00 – 12:00	Interpretative talks in the field (about 15 mins each) <ul style="list-style-type: none"> <li>• Mahogany plantation (Edgardo Gonzalez)</li> <li>• El Verde 3 Plot (EV#) (Humfredo Marcano)</li> <li>• Luquillo Forest Dynamic Plot (Jess Zimmerman)</li> <li>• Canopy Trimming Experiment (Grizelle González)</li> <li>• Radiation Experiment (Tana Wood)</li> </ul>	USFS; IITF
	12:00 – 12:30	Hike back to El Verde Field Station	
	12:30 – 13:30	Lunch provided at El Verde Field Station	
	13:30 – 14:00	Drive to Rd 191	
	14:00 – 16:00	Visit to Recreational Sites at El Yunque National Forest <ul style="list-style-type: none"> <li>• Yokahu Tower</li> <li>• La Coca Falls</li> </ul>	
	16:00 – 17:00	Drive from El Yunque National Forest to San Patricio Forest	
	17:00 – 18:00	Hike at San Patricio Forest	
	18:00 – 19:00	Return to Condado Palm Hotel	
	19:00 – 20:30	Cocktail: Vistamar Salon (Penthouse)	
	20:30 – 22:30	<i>Dinner at Condado Palm Hotel – Vistamar Salon (Penthouse)</i>	