



3rd ESP
AFRICA
CONFERENCE
2022 8-10 JUNE
MUSANZE, RWANDA
PROGRAM BOOKLET



Colofon

Citation

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Thank you

We would like to thank IUCN for its support and dedication in making this conference happen. In addition, we are very grateful for the support of the conference organizing committee, partners and sponsors.

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Welcome to the 3rd ESP Africa conference in Musanze, Rwanda

This is the third Regional ESP Conference in Africa. The first one was organised in Nairobi, Kenya in November 2016, the 2nd one was in Togo in Kpalime 2019.

The theme of this years' conference in Rwanda is "Ecosystem services for the future: Delivering value for Nature, Livelihoods and Economic Investment". The increasing frequency and intensity of natural disasters, aggravated by the impacts of climate change on our daily lives, shows we still ignore the many ways in which we depend on healthy ecosystems. If we are to achieve a sustainable society in harmony with nature we need to better integrate ecosystem services into government policies, management decisions and everyday practice.

These issues will be discussed during 6 keynotes and 12 thematic sessions and several other activities and events from 8-10 June 2022. A special emphasis of this conference will be on Ecosystem Services for the Future.

In addition to participating in the sessions and discussions I hope you will not miss the chance of experiencing the rich natural and cultural heritage of Rwanda during the Friday field visit.

We are very grateful to IUCN and GIZ for their financial support, with special thanks to Charles Karangwa, Ephrem Imanirareba, Alain Ndoli, Jean Claude Habimana and other members of the Organising Committee who made this conference happen.

I wish you a successful and enjoyable conference and hope it will strengthen the ESP network in this part of the world.

Rudolf de Groot

Chair Ecosystem Services Partnership

Organisation

Conference Organising Committee (COC)

Chair:

- Charles Karangwa, International Union for conservation of Nature, Rwanda

Co-chairs:

- Ephrem Imanirareba, International Union for conservation of Nature, Rwanda
- Rudolf de Groot, Chair ESP, Wageningen University, The Netherlands

Local/national Organising Committee (LOC)

Responsible for local organisation/coordination:

- Beatrice Cyiza, the Director General, Environment and Climate Change
- Beth Kaplin, University of Rwanda - Director Centre of excellence on Biodiversity
- Ruzigandekwe Fedele, Dep. Executive Director Programmes for the Greater Virunga Transboundary Secretariat, Rwanda

Support team:

- Diane Ingabire, Ecosystem Services Partnership, The Netherlands
- Iskra Konovska, Ecosystem Services Partnership, The Netherlands
 - With support from: An Nisaa Siti Humaira, Daan Reith

Scientific Program Committee (SPC)

- Ndoli Alain, International Union for conservation of Nature, Rwanda
- Iman Hussain, ELD, Somalia
- Sam Kanyamibwa, DG Arcos Network, Rwanda
- Beth Kaplin, University of Rwanda - Director Centre of excellence on Biodiversity
- Christo Marais, Dept. of Environment, South Africa
- Athanase Mukuralinda, Country representative ICRAF, Rwanda
- Jean Nduwamungu, University of Rwanda
- Phillip Schaeqner, Joint Research Centre - JRC
- Niklas Weins, University of Campinas / FAPESP

Day-by-day schedule

Day 1: Wednesday, 8 June

- 08:00 - 09:30 Registration
- 09:30 - 10:00 Opening (*Room: 1*)
 - Dolf de Groot (Chair ESP, the Netherlands)
 - Charles Karangwa & Kaori Yasuda (International Union for Conservation of Nature, Rwanda)
 - Patric Karera (Permanent Secretary, Ministry of Environment in Rwanda)
- 10:00 - 11:00 Keynote speakers (*Room: 1*)
 - Beatrice Cyiza (Ministry of Environment in Rwanda)
 - Peter Katanisa (World Bank) – Ecosystem Accounting in Africa
- 11:00 - 11:30 Coffee break
- 11:30 - 13:00 Parallel sessions

General sessions (G)

- [G4 - Early-career researchers engaging with NGOs and the private sector to enhance the delivery of ecosystem services in Africa](#), A. D. Diallo, et al (*Room: 2*)

Thematic Working Group session (T)

- [T13b - Forest Landscape Restoration potentials to restore Ecosystem services](#), E. Imanirareba, et al. (*Room: 3*)

Sectoral Working Group session (S)

- [S6/T17 - Accounting for Ecosystem Services: \(1\) Policy support for protected areas and \(2\) Integrated capitals thinking to promote and support sustainable decision making in Africa](#), B. Smets, et al. (*Room: 1*)

- 13:00 - 14:00 Lunch break
- 14:00 - 15:30 Parallel sessions

General sessions (G)

- [G2 - Gender, ecosystem services and human welfare](#), N. Tekwa & S. Nyikahadzoi (*Room: 2*)

Thematic Working Group session (T)

- [T13b - Forest Landscape Restoration potentials to restore Ecosystem services](#), E. Imanirareba, et al. (*Room: 3*)

Sectoral Working Group session (S)

- [S6/T17 - Accounting for Ecosystem Services: \(1\) Policy support for protected areas and \(2\) Integrated capitals thinking to promote and support sustainable decision making in Africa](#), B. Smets, et al. (*Room: 1*)

- 15:30 - 16:00 Coffee break
- 16:00 - 17:30 Parallel sessions

General sessions (G)

- [G2 - Gender, ecosystem services and human welfare](#), N. Tekwa & S. Nyikahadzoi (*Room: 2*)

Thematic Working Group session (T)

- [T18 - Conserving ecosystem services for sustainable recovery and sustainable development: Locking in opportunities from the COVID-19 pandemic](#), F. Donkor, et al. (*Room: 1*)

Sectoral Working Group session (S)

- [S1 - Enhancing ecosystems services in tree commodity agroecosystems in Africa](#), P. Wainaina, et al. (*Room: 3*)

- 17:30: Poster session

Day 2: Thursday, 9 June

- 08:00 - 09:00 Day registration
- 09:00 - 10:00 Keynote speakers (*Room: 1*)
 - **Dr. Aida Cuni-Sanchez** (Norwegian University of Life Sciences and honorary fellow at the University of York, UK) - *Local perceptions of tropical forest ecosystem services, insights from Africa*
 - **Prof. Tuyeni Heita Mwampamba** (National Autonomous University of Mexico) - *Where are the cultural, spiritual, and intrinsic values of nature in Africa's discourses on ecosystem services?*
- 10:00 - 11:00 ESP Forum
- 11:00 - 11:30 Coffee break
- 11:30 - 13:00 Parallel sessions

General sessions (G)

- [G1 - Open Topic session: This is an open session for abstracts that do not fit in any of the other sessions](#) (*Room: 3*)

[Biome Working Group session \(B\)](#)

- [B3 - Ecosystem services from African tropical forests](#), A. Cuni-Sanchez, et al. (*Room: 1*)

[Thematic Working Group session \(T\)](#)

- [T13a - An ecosystem services approach to community-based landscape restoration and sustainable livelihoods development](#), T. van der Sluis, et al. (*Room: 2*)

- 13:00 - 14:00 Lunch break
- 14:00 - 15:30 Parallel sessions

[Sectoral Working Group session \(S\)](#)

- [S7 - Nature Tourism in Africa: Value for Nature, Livelihoods and Economic Investment](#), J. P. Schägner, et al. (*Room 3*)

[Biome Working Group session \(B\)](#)

- [B3 - Ecosystem services from African tropical forests](#), A. Cuni-Sanchez, et al. (*Room: 1*)

[Thematic Working Group session \(T\)](#)

- [T13a - An ecosystem services approach to community-based landscape restoration and sustainable livelihoods development](#), T. van der Sluis, et al. (*Room: 2*)

- 15:30 - 16:00 Coffee break
- 16:00 - 17:30 Parallel sessions

[Sectoral Working Group session \(S\)](#)

- [S7 - Nature Tourism in Africa: Value for Nature, Livelihoods and Economic Investment](#), J. P. Schägner, et al. (*Room: 3*)

[Biome Working Group session \(B\)](#)

- [B3 - Ecosystem services from African tropical forests](#), A. Cuni-Sanchez, et al. (*Room: 1*)

[Thematic Working Group session \(T\)](#)

- [T13a - An ecosystem services approach to community-based landscape restoration and sustainable livelihoods development](#), T. van der Sluis, et al. (*Room: 2*)

- 19:30 Conference dinner

Day 3: Friday, 10 June

- 08:00 - 09:00 Day registration
 - 09:00 - 10:00 Keynote speakers (*Room: 1*)
 - **Beth Kaplin** (Director Center of Excellence in Biodiversity & Natl Res Management (CoEB), Univ of Rwanda) - *Ecosystem-based Adaptation experience in Rwanda*
 - **Charles Karangwa** (International Union for Conservation of Nature, Africa Region) - *Enhancing Ecosystem functionality through payment for Ecosystem Services*
 - 10:00 - 11:30 Parallel sessions
- General session (G)

- [G1 - Open Topic session: This is an open session for abstracts that do not fit in any of the other sessions \(Room: 2\)](#)
- [G3 - Landscape Restoration, Green Spaces, and Ecosystem Services, 3 Case Studies, A. Guzha \(only open for invited speaker abstract submission\) \(Room 1\)](#)

[Thematic Working Group session \(T\)](#)

- [T8 - Neglected and underutilized plant species and the ecosystem services in the tropics: the role of local knowledge, J. Idassi, et al. \(Room 3\)](#)
- 11:30 – 12:00 Closing ceremony
- 12:00 – 13:00 Lunch break
- 13:00 – 19:30 Field trip at Sebeya river

Useful tips

To make your stay as pleasant as possible, hereby some tips for your stay:

- WiFi is freely available at the venues for the conference guests.
- If you would still like to join the field trip or conference dinner, please check on Wednesday latest at the information desk if there is still availability to sign up.
- When attending the field trip, please make sure to wear comfortable shoes. Also, take any necessary personal medication.

Conference Sponsors



Ecosystem Services Partnership

The Ecosystem Services Partnership (ESP) aims to enhance communication, coordination and cooperation, and to build a strong network of individuals and organizations. ESP enhances and encourages a diversity of approaches, while reducing unnecessary duplication of effort in the conceptualization and application of ecosystem services.

ESP connects over 3000 ecosystem services scientists, policy makers and practitioners who work together in more than 40 Working Groups and a growing number of National Networks on all continents. ESP is a [membership based](#) organisation, both institutional and individual members can subscribe. The Partnership has a specified governance structure and Executive committee.

The ESP Africa 2021 Regional Conference is part of the bi-annual cycle of [ESP regional conferences](#) around the globe.

Appendix I: Detailed session programs

This section provides the time schedules for the workshops as far as known upon production of this booklet. Check for possible deviations or updates at the registration desk or on the conference app.

The session programs are arranged per day:

Day 1: Wednesday, 8 June 2022

Morning

11:30-13:00

G4 - Early-career researchers engaging with NGOs and the private sector to enhance the delivery of ecosystem services in Africa / Jeunes chercheurs s'engageant avec des ONGs et le secteur privé en faveur des services écosystémiques en Afrique

11:30-13:00 Wednesday, 8 June 2022

Hosts: A.D. Diallo, A. Diedhiou, Y. Olatoundji, N. Saïdi

	Time	Name	Title of the Presentation
G4-1	11:30	Yves Adélani Olatoundji	Perception des populations sur le rôle des aires protégées dans leur résilience face au changement climatique : cas du Parc National de la Marahoué (Centre-Ouest, Côte d'Ivoire).
G4-2	11:45	Abdoulaye Djibril Diallo	Evaluation of Land use/cover change impacts resulting from mining on ecosystem services in Boké prefecture, Republic of Guinea

S6/T17 - Accounting for Ecosystem Services: (1) Policy support for protected areas and (2) Integrated capitals thinking to promote and support sustainable decision making in Africa

11:30-13:00 Wednesday, 8 June 2022

Hosts: B. Smets, M. Van Weelden, A. A. Sanon, S. Tiemtoré, P. Katanisa, M. Buchhorn, M. Lok, H. Brooke

	Time	Name	Title of the Presentation
	11:30	Bruno Smets	Introduction part I
S6/T17-1	11:40	Adem Esmail Blal	Mapping and assessing ecosystem services for sustainable policy and decision making: a case study application in Eritrea
S6/T17-2	11:55	Daniel Bazzucchi	Accounting for Ecosystem Services in Guinea-Bissau: the role of protected areas
S6/T17-3	12:10	Fatou Mar	Contribution of the ENCA approach in the ecosystems valorization
S6/T17-4	12:25	Tony Ramihangihajason	Ecosystem natural capital accounting, an environmental management tool: case of some protected area in Madagascar
S6/T17-5	12:40	Marcel Buchhorn	Applying the Natural Capital Accounting tool ENCA at multi-scale, from country to national parc level
	12:55	Bruno Smets	Closing part I

T13b - Forest Landscape Restoration potential to restore Ecosystem services

11:30-13:00 Wednesday, 8 June 2022

Hosts: E. Imanirareba, C. Karangwa

	Time	Name	Title of the Presentation
13b-1	11:30	Daniel Aja	Accurate Quantification of Mangrove Extent using a Combination of Optical and Radar Images in GEE Platform: The case of Anlo Beach Wetland Complex, Shama District, Western Region, Ghana
13b-2	11:45	Mohammed Sghir Taleb	Nature based solutions (NbS): lever for the conservation of biodiversity and ecosystems for the human well-being
13b-3	12:00	Saif Shahrukh	Evaluation of Air Pollution Tolerance, Anticipated Performance, and Metal Accumulation Indices: Implications for Roadside Planting for Improving the Quality of Urban Air

Day 1: Wednesday, 8 June 2022

Afternoon

14:00-15:30

G2 - Ecosystem services from African tropical forests

14:00-15:30 Wednesday, 8 June 2022

Hosts: N. Tekwa, S. Nyikahadzoi

	Time	Name	Title of the Presentation
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G2-1	14:00	Alex Aqaba	Achieving Conservation and Gender Based Violence Reduction in Communities Adjacent to Protected Areas in Uganda: The contribution of Social Enterprises in Energy Sector
G2-2	14:15	Themb'alilahlwa Mahlaba	Linking Ecosystem Services to Livelihoods in Southern Africa
G2-3	14:30	Papama Yose	Marine plastic debris impacts on ecosystem services and the economy in South Africa: Stakeholder perceptions and potential interventions
G2-4	14:45	Lerato Olgah	Cultural ecosystem services and human well-being linkages within the Vhembe District, Limpopo South Africa.
	15:00		Discussion part 1

S6/T17 - Accounting for Ecosystem Services: (1) Policy support for protected areas and (2) Integrated capitals thinking to promote and support sustainable decision making in Africa

14:00-15:30 Wednesday, 8 June 2022

Hosts: B. Smets, M. Van Weelden, A. A. Sanon, S. Tiemtoré, P. Katanisa, M. Buchhorn, M. Lok, H. Brooke

	Time	Name	Title of the Presentation
	14:00	Martine van Weelden	Introduction part II
	14:05	Bruno Smets	Q&A part I
S6/T17-6	14:15	Peter Katanisa	Natural Capital Accounting Community of Practice Africa
S6/T17-7	14:30	Marie Jeanne Senghor	Policy mainstreaming of ecosystem services in West-Africa
S6/T17-8	14:45	Sylvia Buleti	Options for sustainable intensification of smallholder farms in western Kenya
S6/T17-9	15:00	Martine van Weelden	Integrated capitals thinking to promote and support sustainable decision making in Africa
	15:15		Q&A & Closing

Day 1: Wednesday, 8 June 2022

Afternoon

16:00-17:30

G2 - Ecosystem services from African tropical forests

16:00-17:00 Wednesday, 8 June 2022

Hosts: N. Tekwa, S. Nyikahadzoi

Time	Name	Title of the Presentation
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G2-5	16:00	Felix Donkor	Gendered innovation in response to water stress and environmental degradation in South Africa's drought stricken rural communities: A case study
G2-6	16:15	Evalyne, M. Mutuwa	An Assessment of the stakeholders' attitudes, farming practices and contributions towards landscape restoration of the upper Manafwa Watershed in Bushika Bukalasi and Bushiyi Sub Counties of Bududa district Eastern Uganda.
G2-7	16:30	Johanes, A Belle	The Impact of Climate change on wetland services provided to local communities in the eastern Free State, South Africa
G2-8	16:45		Discussion part 2

S1 - Enhancing Ecosystems Services in Tree Commodity Agroecosystems in Africa

16:00-17:00 Wednesday, 8 June 2022

Hosts: P. Wainaina, P. Minang, L. Duguma

	Time	Name	Title of the Presentation
S1-1	16:00	Dr.Brahim Haddane	Argan Forest ecosystem: Services & challenges
	Time	Name	Title of the Presentation
S1-2	16:15	Thomas Aneni	Sustainable Ecosystem Services: Pheromones for Insect Pest Control in Agriculture
S1-3	16:30	Christo Marais	South Africa's Biodiversity Stewardship Programme: A Value Proposition

T18 - Conserving ecosystem services for sustainable recovery and sustainable development: Locking in opportunities from the COVID-19 pandemic

16:00-17:30 Wednesday, 8 June 2022

Hosts: F. Donkor, E. J. Emmanuel

	Time	Name	Title of the Presentation
T18-1	16:00	Raviraja Shetty G	Conservation, propagation and promotion of cultivation of endangered medicinal plants among farmers to improve livelihood and sustainability
T18-2	16:15	James Njuguna	Determination of thermo-mechanical properties of recycled polyurethane from glycolysis polyol
T18-2	16:30	Venant Habimana	Advanced CROM DSS for erosion control planning and monitoring in Rwanda
T18-4	16:45	Sharon Rose Tabugo	A Call for Conservation: Genetic Diversity of seahorses in Mindanao, Philippines
T18-5	17:005	Jean de Dieu Mucyo	The soil pollution and related prevention measures

Day 2: Thursday, 9 June 2022

Morning

11:30-13:00

B3 - Ecosystem services from African tropical forests

11:30-13:00 Thursday, 9 June 2022

Hosts: A. Cuni-Sanchez, G. Imani, R. Marchant

	Time	Name	Title of the Presentation
B3-1	11:30	Adedamola Ogunsesan	30 years of the Lekki Conservation Centre: Past Achievements and Future Prospects
B3-2	11:45	Alessio Bulckaen	ARIES (ARTificial Intelligence for Environment & Sustainability) for SEEA for rapid natural capital accounts generation: Towards fast, transparent and standardized yet customizable ecosystem accounts
B3-3	12:00	Grace Nchimbi	Habitat utilization by large mammalian herbivores in human-impacted and non-impacted areas in upgraded Marang' Forest in Northern Tanzania
B3-4	12:15	Jean Marie Vianney Mushinzimana	Secoko catchment restoration and its sedimentation: impact on the Nyabarongo Hydropower 1 Management
B3-5	12:30	Soule Moussa	Diversity and functions of woody species in urban schoolyards in Niamey city: A call for planting multipurpose tree species for quality education in Niger
B3-6	12:45	Rodrigue Batumike	From Tree Species to Forest Services: Ethnic Differences in Lomami, Democratic Republic of the Congo

G1a – General session

11:30-13:00 Thursday, 9 June 2022

	Time	Name	Title of the Presentation
G1-1	11:30	David Oladeji	Family Ecosystem as Predictor of Reproductive Wellbeing Among Adolescents in Nigeria
G1-2	11:45	Eduardo Gomes	Assessing the spatial effects of future cropland changes at the regional scale: a problem-oriented approach
G1-3	12:00	Rosemary Olive Mbone Enie	Ecosystem services in Africa: Current challenges and opportunities for ecological research

T13a - An Ecosystem Services approach to community-based Landscape Restoration and Sustainable Livelihoods development

11:30-13:00 Thursday, 9 June 2022

Hosts: T. van der Sluis, F. Mutekanga, L. van Reemst

	Time	Name	Title of the Presentation
	11.30	Theo van der Sluis	Landscape restoration and ecosystem services. A short introduction
T13a-1	11.40	Hosea Opedes	Unmanned Aerial Vehicles (UAVs) for monitoring soil and water conservation practices in the Upper Manafwa Watershed
T13a-2	11.55	Laurie van Reemst	Measuring empowerment at household level to sustain ecosystem services
T13a-3	12.10	Doreen Misenya	Mindset change as a strategy for stimulating farmers' conservation efforts: an exploration of the PIP visioning tool for landscape restoration in the Manafwa Watershed, Eastern Uganda
T13a-4	12.25	Joyce Lunyolo	Assessing the spatial distribution of landslides and the effectiveness of local interventions in the upper Manafwa Catchment, Mt. Elgon Region

12.40	-	Discussion
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Day 2: Thursday, 9 June 2022

Afternoon

14:00-15:30

B3 - Ecosystem services from African tropical forests

14:00-15:30 Thursday, 9 June 2022

Hosts: A. Cuni-Sanchez, G. Imani, R. Marchant

	Time	Name	Title of the Presentation
B3-7	14:00	Moses Sainge	Local perceptions of forest Ecosystem services in Sierra Leone
B3-8	14:15	Dorine Intwarinkase Mutaganzwa	Climate change and local farmers in mountain regions in Rwanda- is the forest important?
B3-9	14:30	Stijn Schep	Ecosystem Services in the Inner Niger Delta under different Water Resources Management Scenarios
B3-10	14:45	Catherine Masao	Stakeholder perspectives on nature's contribution to people at Mount Kilimanjaro
B3-11	15:15	Abreham Berta Aneseyee	Quantification of Ecosystem Services associated with land use/cover change in Winike Watershed of Omo Gibe Basin, South-western Ethiopia

S7 - Nature Tourism in Africa: Value for Nature, Livelihoods and Economic Investment

14:00-15:30 Thursday, 9 June 2022

Hosts: J. P. Schägner, A. Spenceley, S. Snyman, C. Nibigira

	Time	Name	Title of the Presentation
S7-1	14:00	Romulus Abila	Status of biodiversity in the Yala swamp wetland, Kenya: Prospects, opportunities and challenges for conservation and sustainable development in a rapidly changing socio-ecological system
S7-2	14:15	Kudirat Oyebisi Bakare	Ecosystem Derived Tourism and Livelihood Strategies Among Rural Households in Osun State, Nigeria
S7-3	14:30	Ahmed Abdallah	Business Planning for Protected Areas

T13a - An Ecosystem Services approach to community-based Landscape Restoration and Sustainable Livelihoods development

14:00-15:30 Thursday, 9 June 2022

Hosts: T. van der Sluis, F. Mutekanga, L. van Reemst

	Time	Name	Title of the Presentation
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T13a-5	14.00	Peter van der Meer	The role of state forests in sustaining honey production: a case study from Nyamagabe District, Rwanda
T13a-6	14.15	Jean Hugé	Applying a 'One Health'-lens to uncover neglected mangrove ecosystem services
T13a-7	14.30	Simegn Birhan Tessema	Analyzing the Perceived Prioritized Forest Ecosystem Services under the Participatory Management: A case of Maksegnit District, Amhara Regional State, Ethiopia
T13a-8	14.45	Nangware Msofe	Assessing the societal benefits of the Mngeta wildlife corridor restoration program in the Kilombero valley floodplain
T13a-9	15.00	Maximin Djondo	Participatory Cultural ecosystem services mapping and valuation in Lake Nokoué (Benin)
	15.15	-	The role of state forests in sustaining honey production: a case study from Nyamagabe District, Rwanda

Day 2: Thursday, 9 June 2022

Afternoon

16:00-17:30

B3 - Ecosystem services from African tropical forests

16:00-17:00 Thursday, 9 June 2022

Hosts: A. Cuni-Sanchez, G. Imani, R. Marchant

	Time	Name	Title of the Presentation
B3-12	16:00	Simon Lhoest	Supply, use and sustainability of ecosystem services in tropical forests: insights from the Dja region in southeastern Cameroon
B3-13	16:15	Bonito Chia Ntumwel	Towards agenda 2030: Livelihoods and dependence of Forest-driven rural economies in the Congo Basin

T13a - An Ecosystem Services approach to community-based Landscape Restoration and Sustainable Livelihoods development

16:00-17:30 Thursday, 9 June 2022

Hosts: T. van der Sluis, F. Mutekanga, L. van Reemst

	Time	Name	Title of the Presentation
T13a-10	16.00	Ntlakala	Mind the gap: A review of literature linking human ecosystem to human health, wellbeing and livelihoods services in Southern Africa
T13a-11	16.15	Jean Claude	Identification of context-relevant sustainability competencies needed to be fostered for effective change-agents for sustainable agriculture in Burundi
T13a-12	16.30	Matt	Ecosystem services and nature-based solutions for people, nature and climate: Real wins for Africa?
	16.45	-	Discussion Round table & facilitated discussion including online participants

Day 3: Friday, 10 June 2022

Morning

10:00-11:30

G1b – General session

10:00-11:00 Friday, 10 June 2022

	Time	Name	Title of the Presentation
G1-4	10:00	Tia Hajjar	Treated Wastewater Reuse for Irrigation in Bekaa, Lebanon: Quality Assessment and Public Perception
G1-5	10:15	Manob Das	Mapping and assessment wetland ecological risk: A case on a peri-urban wetland of lower Gangatic plain, Eastern India
G1-6	10:30	Niruban Chakkaravarthy Dhanasekaran	Value the Nature –Solution to Protect the Ecosystem
G1-7	10:45	Luis Valença Pinto	Urban park winter use in Mediterranean climate during workdays. A case study in Coimbra, Portugal

G3 - Landscape Restoration, Green Spaces, and Ecosystem Services: 3 Case Studies

10:00-11:00 Friday, 10 June 2022

Hosts: A. Guzha

	Time	Name	Title of the Presentation
G3-1	10:00	Alphonse Guzha	Sustainable Interventions to Reverse Degradation in Sebeya Catchment, Rwanda-Implications for Ecosystem Functionality and Service Supply
G3-2	10:15	Samuel Habimana	Green Space and Mental Health in Rwanda: Cross-sectional study take place in Kigali city
G3-3	10:30	Christo Marais	The Impact of Transaction Costs on the Viability of Ecosystem Restoration Projects: Some lessons Learnt to be considered during the UN Decade for Ecosystem Restoration

T8 - Neglected and Underutilized Plant Species and the Ecosystem Services in the Tropics: The Role of Local Knowledge

10:00-11:00 Friday, 10 June 2022

Hosts: J. Idassi, P. F. Shayo, O. Yobuah

	Time	Name	Title of the Presentation
T8-1	10:00	Hussein Bizimana	Constructed Wetlands as Reliable Methods for Grey Wastewater Treatment in Rwanda
T8-2	10:15	Ana Leite	Woody Wild Edible Plants used by different Ethnic Groups in the woodlands of Guinea-Bissau

Appendix II: Poster Session

This poster session will be held on **Wednesday 8th** at 17:30. The list below shows the session which the poster abstract is related. We invite all to join the poster session.

Biome Working Group Posters (B)

B3 - Ecosystem services from African tropical forests		
ID	Name	Title of the Presentation
B3-1	Barthelemy Aignon	Soil fungal diversity under West Africa ectomycorrhizal vegetation

General Session Posters (G)

G1 - General session		
ID	Name	Title of the Presentation
G1-1	Sharon Rose Tabugo	Assessment of mangroves in Barangay liangan east protected area in Bacolod, Lanao del norte, Mindanao, Philippines
G1-2	Daniel Aja	Flood Forecasting Using Quantitative Precipitation Forecasts and Hydrological Model in Sebeya Catchment, Rwanda

Thematic Working Group Posters (T)

T13a - An ecosystem services approach to community-based landscape restoration and sustainable livelihoods development		
ID	Name	Title of the Presentation
T13a-1	Johnstone Kimanzi	Community involvement in sustainable conservation of the endangered red colobus in Tana River Delta, Kenya

T13b - Forest Landscape Restoration potentials to restore Ecosystem services		
ID	Name	Title of the Presentation
T13b-1	collins matiza	A Systematic review of remote sensing and machine learning applications on indigenous forests for the assessment of carbon sequestration (Ecosystem service)

T17 - Accounting for ecosystem services: policy support for protected areas		
ID	Name	Title of the Presentation
T17-1	Mai Tsuruta	Cultural Ecosystem Service Characteristics of Rivers in Japan, as Determined from National Census on River Recreational Use

Appendix III: Timetable and room overview

Wednesday (8 June 2022)		Room
11:30 – 13:00	G4 – Early-career researchers engaging with NGOs and the private sector to enhance the delivery of ecosystem services in Africa / Jeunes chercheurs s'engageant avec des ONGs et le secteur privé en faveur des services écosystémiques en Afrique	<i>Room 2</i>
	T13b - Forest Landscape Restoration potentials to restore Ecosystem services	<i>Room 3</i>
	S6 - Integrated capitals thinking to promote a sustainable and healthy agriculture & food sector & T17 - Accounting for ecosystem services: policy support for protected areas	<i>Room 1</i>
14:00 – 15:30	G2 - Gender, ecosystem services and human welfare	<i>Room 2</i>

	T13b - Forest Landscape Restoration potentials to restore Ecosystem service	<i>Room 3</i>
	S6 - Integrated capitals thinking to promote a sustainable and healthy agriculture & food sector & T17 - Accounting for ecosystem services: policy support for protected areas	<i>Room 1</i>
16:00 – 17:30	G2 - Gender, ecosystem services and human welfare	<i>Room 2</i>
	S1 - Enhancing ecosystems services in tree commodity agroecosystems in Africa	<i>Room 3</i>
	T18 - Conserving ecosystem services for sustainable recovery and sustainable development: Locking in opportunities from the COVID-19 pandemic	<i>Room 1</i>

Thursday (9 June 2022)		Room
11:30 – 13:00	G1 - Open Topic session	<i>Room 3</i>
	B3 - Ecosystem services from African tropical forests	<i>Room 1</i>
	T13a - An ecosystem services approach to community-based landscape restoration and sustainable livelihoods development	<i>Room 2</i>
14:00 – 15:30	S7 - Nature Tourism in Africa: Value for Nature, Livelihoods and Economic Investment	<i>Room 3</i>
	B3 - Ecosystem services from African tropical forests	<i>Room 1</i>
	T13a - An ecosystem services approach to community-based landscape restoration and sustainable livelihoods development	<i>Room 2</i>
16:00 – 17:30	S7 - Nature Tourism in Africa: Value for Nature, Livelihoods and Economic Investment	<i>Room 3</i>
	B3 - Ecosystem services from African tropical forests	<i>Room 1</i>
	T13a - An ecosystem services approach to community-based landscape restoration and sustainable livelihoods development	<i>Room 2</i>

Friday (10 June 2022)		Room
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10:00 – 11:30	G1 - Open Topic session	<i>Room 2</i>
	G3 - Landscape restoration and livelihoods enhancement through payment for ecosystem services- ongoing work in Sebeya catchment, under the embedding integrated water resources management in Rwanda project	<i>Room 1</i>
	T8 - Neglected and underutilized plant species and the ecosystem services in the tropics: the role of local knowledge	<i>Room 3</i>

Conference Program overview

Day/ Time	8 June Wednesday	9 June Thursday	10 June Friday	11 June Saturday
08:00	Registration	Day registration	Day registration	<p>Excursions: <i>Go to visit Rwanda website to book your trip</i></p>
09:00		Opening + Keynotes: A. Cuni-Sanchez & T. H. Mwampamba	Opening + Keynotes: B. Kaplin & C. Karangwa	
09:30	Opening + Keynotes & Panel discussion: B. Cyiza & P. Katanisa			
10:00				
10:30				
11:00	Coffee break	Coffee break		
11:30	Parallel sessions: G: G4 S: S6/T17 T: T13b	Parallel sessions: B: B3 G: G1a T: T13a	Coffee break	
12:00			Final plenary program & closing	
12:30				
13:00	Lunch break	Lunch break	Field trip at Sebeya river <i>All participants can participate in this field trip free of charge</i>	
14:00	Parallel sessions: G:G2 S:S6/T17 T: T13b	Parallel sessions: B: B3 S: S7 T: T13a		
15:30	Coffee break	Coffee break		
16:00	Parallel sessions: G:G2 S:S1 T: T18	Parallel sessions: B: B3 S: S7 T: T13a		
17:30	Poster session			
18:00				
19:00		Conference dinner		



The ecosystem services partnership is grateful to the organisations, partners and sponsors that have made this conference possible.



**Foundation for Sustainable Development (FSD)
Musanze, Rwanda 8-10 June 2022**

