United Nations Institute for Training and Research

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Valuing Natural Capital Conference Training Brochure 2022

22nd and 23rd September 2022
Geneva, Switzerland and online

Training Background

The following Trainings are offered as part of the VNC2022 conference which will discuss new, tech- and data-based solutions to mobilize different natural carbon sinks, maximizing their contribution to address climate change.

Trainings can be booked separately or as a full package.

Participation in the conference is not a prerequisite for joining a training. A networking coffee for on-site participants will take place directly before the training.

Networking & two day training

22.09

10:00 – 11:30 CET

Networking Coffee (on-site for all conference participants & training participants)

14:00 – 17:00 CET

Natural capitals and their governance mechanisms (hybrid)

14:00 – 17:00CET

Tokenization – what it is and how it can be used to value natural capital (online)

23.09

13:30 – 16:30 CET

Innovative finance for transformative climate solutions (online)

17:30 – 20:30 CET

The big picture: Creating Triple Wins to value natural capital (online, hybrid on demand)

You can join up to three trainings

September 22nd, 2022 10:00-11:30 CET	**WMO HQ (Cafeteria) – in person**	**Networking coffee**	**UNITAR/ILO/Gemlabs**

	Location	Training	Lead
September 22nd, 2022 14:00-17:00 CET	WMO HQ (hybrid)	Natural capital and its governance mechanisms	Dr Ralph Chami (IMF, Blue Green Future, Rebalance Earth)
September 22nd, 2022 14:00-17:00 CET	Online	Tokenization – what it is and how it can be used to value natural capital	Dieter Brockmeyer (Diplomatic World Institute) Dr Jörn Erbguth (Gemlabs)
September 23rd, 2022 13:30-16:30 CET	Online	Innovative finance for transformative climate solutions	Massamba Thioye (UNFCCC Global Innovation Hub)
September 23rd, 2022 17:30-20:30 CET	Online (hybrid on demand)	Creating Triple Wins to value natural capital (*offered as a seminar*)	Adam Wood (Harvard University's Department of Economics)

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Natural capital and its governance mechanisms

Lead by Dr Ralph Chami (IMF, Blue Green Future, Rebalance Earth)

About

Understanding the limits of our ecosystems is critical for us to ensure their long-term supply. Governance solutions are therefore to be built on a number of inter-connected factors which help to bring science and technology together, while respecting human rights.

Take a deeper dive into different governance mechanisms for ecosystem protection. Discuss their effectiveness and shortcomings in terms of protecting the natural asset in question, whether a keystone species or an entire ecosystem. This training will highlight governance mechanisms which can address the lack of international collaboration and cooperation as a key impediment to effective climate change policies.

Target Group

Public and private sector officials and policy makers from developing and developed countries, climate change negotiators, investor relationship managers from the corporate sector, professionals willing to pivot into a new career

N.B.: The room for on-site participation allows for 25 people max.

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Tokenization, what it is and how it can be used to value natural capital

Lead by Dieter Brockmeyer (Diplomatic World Institute) and Dr Jörn Erbguth (Gemlabs)

About

Tokenization and Blockchain can be underpinning technology capabilities to completely rewire global finance and use cases around natural capital valuations. Blockchain has been praised as the new miracle technology, has been criticized as a tool for money laundering and darknet trade and has a huge climate impact. How can it serve as a sustainable tool for valuing natural capital? To understand the real strengths of this technology and how to avoid its pitfalls, this training starts by introducing Blockchain and Tokenization. It explains the different types of tokens from cryptocurrencies, asset-based tokens, non-fungible tokens (NFTs) to soul-bound tokens (SBTs). The training discusses different use-cases of this distributed ledger technology for nature preservation projects. It explains, how transparency can be achieved, that – for example – prevents double-counting of carbon sequestration. The training will provide a solid understanding of how these technologies can be efficient, transparent and sustainable financial tools for valuing natural capital.

Target Group

Finance professionals, strategy professionals, business developers and management level of finance institutions, public sector officials, entrepreneurs, professionals willing to pivot into a new career

22.09

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Innovative finance for transformative climate solutions

Lead by Massamba Thioye (UNFCCC Global Innovation Hub)

About

Where do we stand in regards to green bond frameworks and what can be learnt from a UNFCCC perspective? How to best bridge between supply and demand for climate solutions?

This training will discuss in detail the development of a financial instrument that enable to meet these conditions, a Mitigation Outcome Security which is to the green bond what the Renewable Electricity Certificate is to the green electricity. The new financial instrument will lead to an integration of the green bond and the carbon market, with financiers playing a greater role on the later, through the trading of the Mitigation Outcome Securities. The framework proposed is transformative. It will make the carbon market become the drivers of the shift of low-cost finance toward green activities, one of the most important game changers to achieve the climate goals. In return, the involvement of financiers in the carbon market will enhance its liquidity, promote price discovery and efficiency. Digital technologies, more specifically, Distributed Ledger Technologies are being used for the pilot testing of this new financial instrument.

Target Group

Policy makers, climate change negotiators, investor relationship managers from the corporate sector, investment consultants and other financial professionals, Managers from development finance institutions, government bodies, international organisations, development/Impact consultants, philanthropists, social investors and social entrepreneurs, professionals willing to pivot into a new career

23.09

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Creating triple wins to value natural capital

Lead by Adam Wood (Harvard University's Department of Economics)

23.09

About

Solving multivariate problem sets is never a simple task; however, we will demonstrate how accounting for these adverse environmental factors powered by new technology capabilities and international/private finance will spur economic growth and prosperity for the labor forces of Rwanda, Brazil, and India. Meet Adam Wood, Research Collaborator and Consultant at Harvard University's Department of Economics. He will take the lead on this training offered as a research seminar. Discussions will be based on conference panel 4 which looks into how we can best incorporate benefits for the climate and the workforce without upending local and regional economies with limited factor endowments.

Learning objectives are threefold: How to (1) Set the foundation for scalable and fiscally responsible solutions for all member states to create triple wins, (2) Provide enduring contributions to the economic multiplier machine of personal consumption, investment, and savings all of which contribute to the SPI/HDI's of a Nation State, and (3) Generate sustainable tax revenues from the population so that they may work longer and happier, so that the aforementioned capital yields are reinvested into the economy of a government.

Target Group

Public sector officials and policy makers from developing and developed countries, Policy makers, climate change negotiators, investor relationship managers from the corporate sector, professionals willing to pivot into a new career, Private sector officials, including those from "STEM"-fields of study/professions covering public health as well as computer science, applied and computational mathematics, statistics, engineering fields including agricultural, environmental, biomedical, civil, chemical, material, electrical, mechanical, aerospace, aeronautical, and astronautical, physics including applied physics and astrophysics, economics including econometrics, cybersecurity, data science, machine learning, artificial intelligence, and quantum.

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Training Participation Fee

One Training 300 CHF, Participation Certificate (signed by Nikhil Seth, UNITAR and Ekkehard Ernst, Gemlabs)

Two Trainings 500 CHF, Participation Certificate (signed by Nikhil Seth, UNITAR and Ekkehard Ernst, Gemlabs)

Three Trainings 650 CHF, **Certificate of Completion** (signed by Adam Wood, Harvard University, Nikhil Seth, UNITAR, and Ekkehard Ernst, Gemlabs)