

DECENT WORK IN NATURE-BASED SOLUTIONS









ENGLISH CAPTIONS CAN BE ACTIVATED BY CLICKING ON THE BOTTON ON THE LEFT-SIDE OF THE BOTTOM BAR ON THE SCREEN

































Geneva Nature-based Solutions Dialogues

APRIL TO DECEMBER 2021





Nature based Solutions

The nature of progress





UNITED NATIONS

EP

UNEP/EA.5/Res.5



Distr.: General 7 March 2022





United Nations Environment Assembly of the United Nations Environment Programme

United Nations Environment Assembly of the United Nations Environment Programme Fifth session

Nairobi (hybrid), 22 and 23 February 2021 and 28 February-2 March 2022

Resolution adopted by the United Nations Environment Assembly on 2 March 2022

5/5. Nature-based solutions for supporting sustainable development

The United Nations Environment Assembly,

Underlining the importance of strengthening actions for nature for implementing the 2030 Agenda for Sustainable Development and the Sustainable Development Goals, the Rio Declaration on Environment and Development, the Convention on Biological Diversity and other biodiversity-related conventions, the United Nations Framework Convention on Climate Change and the Paris Agreement adopted thereunder, the United Nations Convention to Combat Desertification in Those Countries Experiencing Serious Drought and/or Desertification, Particularly in Africa, the Sendai Framework for Disaster Risk Reduction 2015–2030, the United Nations Decade on Ecosystem Restoration 2021–2030 and the decade of action and delivery for sustainable development 2020–2030; looking forward to the adoption and implementation of an ambitious, balanced, practical, effective and robust post-2020 global biodiversity framework; and noting the Leaders' Pledge for Nature: United to Reverse Biodiversity Loss by 2030 for Sustainable Development,



DECENT WORK IN NATURE-BASED SOLUTIONS

SPEAKERS

By order of intervention



Moustapha Kamal GUEYE



Director, ILO Priority Action Programme on Just Transitions, International Labour Organization | Moderator



Leander RAES



Economist, International Union for Conservation of Nature



Maikel LIEUW-KIE-SONG



Senior Employment Intensive Specialist, International Labour Organization



Barney DICKSON



Senior Policy Officer, Nature for Climate Branch, United Nations Environment Programme



Karin ZAUNBERGER



Policy Officer, European Commission



Rachel TUSHABE



Director, Advocacy and Multilateral Environmental Agreements Monitoring Unit, Rwanda Environment Management Authority











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DECENT WORK IN NATURE-BASED SOLUTIONS

A report by ILO, UNEP and IUCN



>>> tiny.cc/DecentWorkNbS



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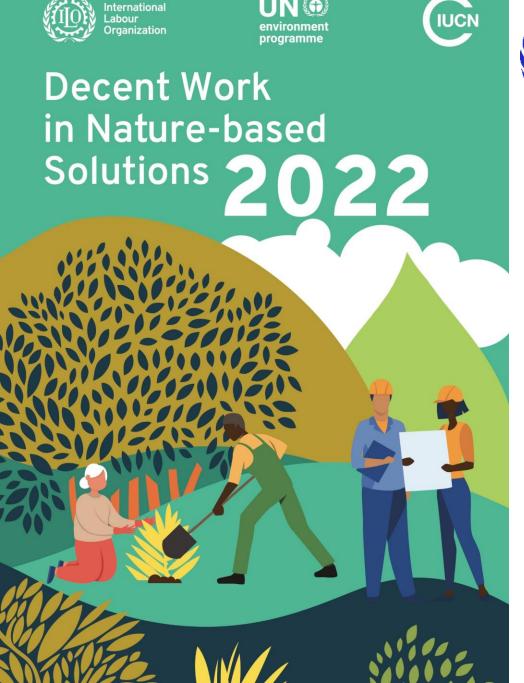
Decent Work in Nature-based Solutions

A collaboration between **ILO, UNEP and IUCN**

Relevant findings from the 2022 report and way forward for future reports

Maikel Lieuw-Kie-Song (ILO), Barney Dickson (UNEP) and Leander Raes (IUCN)





Rationale for the collaboration



NbS have the potential to generate decent work outcomes, and decent work outcomes build support for NbS... but how?



No existing systematic effort to monitor the quantity and quality of jobs generated by investments in NbS

Addressing knowledge gap can support governments and stakeholders to develop better, more coherent policies and strategies related to NbS and decent work









Key concepts

Decent Work

4 Pillars:

- 1. Employment Creation
 - 2. Rights at Work
 - 3. Social Protection
 - 4. Social Dialogue



Just Transition

Seize opportunities and mitigate risks of green transitions for decent work



Nature-based Solutions (NbS)

UNEA Resolution 2022unemployment one of the socioeconomic challenges



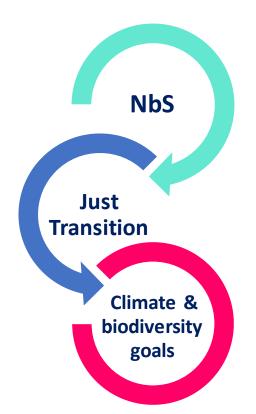








Just transition approach to promoting NbS: Supporting national climate and biodiversity targets



 NbS: A key building block for achieving the global development, climate and biodiversity goals

 Implementing NbS in synergy with a just transition: supporting decent work outcomes, resilience and achieving national targets









ILO Just Transition Guidelines and the IUCN Global Standard for NbS share common themes & objectives

Can be leveraged to support decent work in NbS



Planning NbS in Honduras







Common themes and objectives:

- 1. Evidence-based decision-making
- 2. Inclusive and meaningful **stakeholder engagement**
- 3. Policy coherence and tools across portfolios to maximize opportunities and mitigate risks
- 4. Upholding of rights and fostering empowerment



Current Work in NbS: What does it look like?

Key challenge: how do we determine what current activities and employment can be classified as NbS? ("Application Problem")

First report used "NbS proxies" where are people protecting, conserving, restoring, sustainably using and managing ecosystems?

- Agriculture sector,
- Infrastructure and Construction Sector,
- Private enterprises-including –"Nature-based Enterprises"
- Public Employment Programmes,
- Payment for Ecosystem Services Schemes and
- Volunteering for nature-related activities











Important characteristics of Current Work in NbS

- Part-time, seasonal or temporary often deliberate as part of a strategy to combat poverty and complement existing livelihoods and/ or underemployment
- Mostly rural (agriculture and forestry) often informal, manual labour, and low-income
- Professional, high skilled and urban work: design, planning, management, monitoring, research and promotion of NbS, with new occupations emerging
- "Hidden"- part of other programmes and activities
- "Atypical employment", variety arrangements such as household contracts to manage certain areas, or social protection linked payments.
- Volunteering is important and common across the world



Promoting NbS in Sierra Leone









Case study 1

- ReDuna project in Alamada, Portugal
- Six months period, **restoration of dunes** along 1 kilometre of coastline, use of willow sand fences and 100,000 plants of native dune species
- Restored dunes for effective storm protection
- 104 NbS jobs
- 64 related to restoration, construction
- and maintenance of the ecosystem
- Twelve jobs considered permanent
- Annual hiring of consultants (e.g. biologist)
- 1,040 volunteers supported project through work on restoration, maintenance and clearing of invasive non-indigenous plants



Dune restoration in Portugal









Case study 2

- "Scaling up Mountain Ecosystem-based Adaptation" project in Nor Yauyos Cochas Landscape Reserve (NYCLR), central Andes of Peru
- Improving water, grasslands and livestock management through strengthening local capacities and knowledge, intercultural dialogue between stakeholders, strengthening of institutional and community organization, and restoration of ancestral and natural infrastructure
- 105 people worked on the project
- 89 indigenous peoples who work through *faenas* (traditional form of communal unpaid work)
- Rest worked on planning, project management and stakeholders facilitation



Ecosystem-based Adaptation in Peru



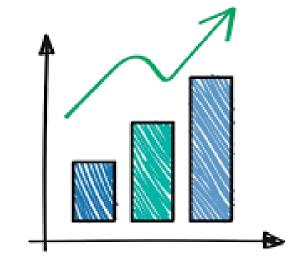






Measurement challenges

- Employment mostly measured based on industrial (sectoral) activities but no definition/data on what activities are NbS
- Additional challenges for measuring decent workframework exists but data lacking in various parts of the world
- Report proposes a detailed framework aligned with SEEA and ICLS Standards for measurement of DW in NbS and informed by a global survey- but not yet adopted or applied
- Employment estimation done based on financial flows and economic modelling aligned with ILO Green Jobs Assessment methodologies





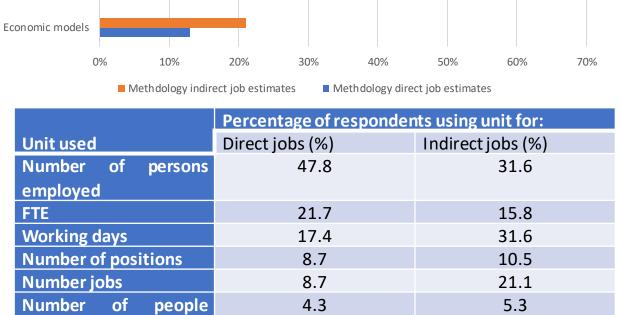






Case study: Methodologies and units used to estimate work in Forest Landscape Restoration (FLR)

- Survey among submissions for FAO and UNEP World Restoration Flagships
- **Graph**: Percentage of respondents that applied a specific methodology to estimate direct and indirect jobs.
- Use more than one methodology by many respondents
- To estimate direct jobs: Project data and expert opinion most often applied
- To **estimate indirect jobs**: expert opinion and literature most commonly
- **Table**: different units used by the respondents to report job creation
- Most respondents only used single unit



4.3

5.3

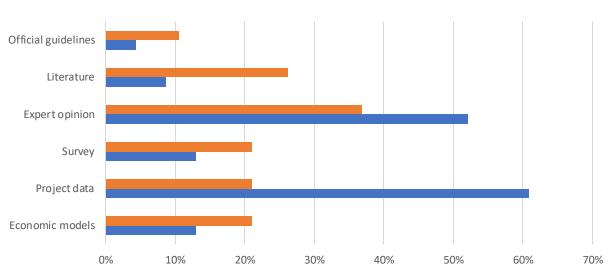






benefited

Person-day in a year



How many people are working in NbS?

First attempt to do a global estimation of its kind- with numerous challenges Important caveats:

- Limited country coverage of both data and model,
- Based on reporting spending and estimation of that spending that is NbS
- Lots NbS work not related to reported spending
- Limited uses of NbS- focus on climate change mitigation and land degradation targets
- Likely to be large underestimation- but also depends on how strictly we define NbS
- Difficulty capturing any negative impacts (for example due changes in land use)

ILO Region	Total Employme nt	PEP and PES	Employed outside PEP and PES	Share of 15- 29	Share of women	Estimated volunteers
Africa	1,919,000	1,598,000	322,000	29%	36%	166,000
Americas	756,000	456,000	300,000	19%	38%	5,460,000
Asia and the Pacific	71,693,000	69,324,000	2,369,000	14%	38%	2,435,000
Europe and Central Asia	420,000	0	420,000	15%	37%	7,971,000
World	74,875,000	71,393,000	3,482,000	16%	37%	16,116,000







Estimates of future additional employment in NbS

- Estimation is based on tripling investment in NbS to approximately USD 400 billion per annum by
 2030 based on figures from 2021 UNEP State of Finance Report
- Increase investment in reforestation, silvopasture, peatland restoration and mangrove restoration.
- No full global coverage
- Projected to increase employment by approximately 20 million jobs by 2030 five-fold increase- excluding PEP related employment
- Includes economy wide employment effects

	empioyea		
Agriculture and Forestry	13,904,000		
Manufacturing	2,436,000		
Construction	472,000		
Distribution, retail, hotels and catering	528,000		
Transport and Storage	161,000		
Business Services	731,000		
Public services	1,560,000		
Other	30,000		
Total	19,822,000		

Persons

Sectors







Estimates of future employment in NbS

- Bulk of employment projected for middle-income countries!
- Most land to restore
- Resources and interest available to restore
- Use of labour-intensive methods generate more employment
- High-income countries: more capital intensive and less land
- Low-income countries: fewer resources available- more difficult political context (especially in fragile contexts) (even though need/ potential may be great!)
- Partial- driven by mitigation needs- not for example adaptation needs

Income regions	High- income	Upper- middle income	Lower middle- income	Low- income	World Total
Persons employed	418,000	4,949,000	13,924,000	466,000	19,822,000







Looking ahead to future reports and activities











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Decent jobs in Naturebased Solutions

Karin Zaunberger DG ENV



The Rosetta Stone

EBA - NBS - GI eco-DRR - NWRM





working with nature for people





Multilaterally agreed definition included in UNEP/EA.5/Res.5:

... nature-based solutions are actions to protect, conserve, restore, sustainably use and manage natural or modified terrestrial, freshwater, coastal and marine ecosystems, which address social, economic and environmental challenges effectively and adaptively, while simultaneously providing human well-being, ecosystem services and resilience and biodiversity benefits, ...

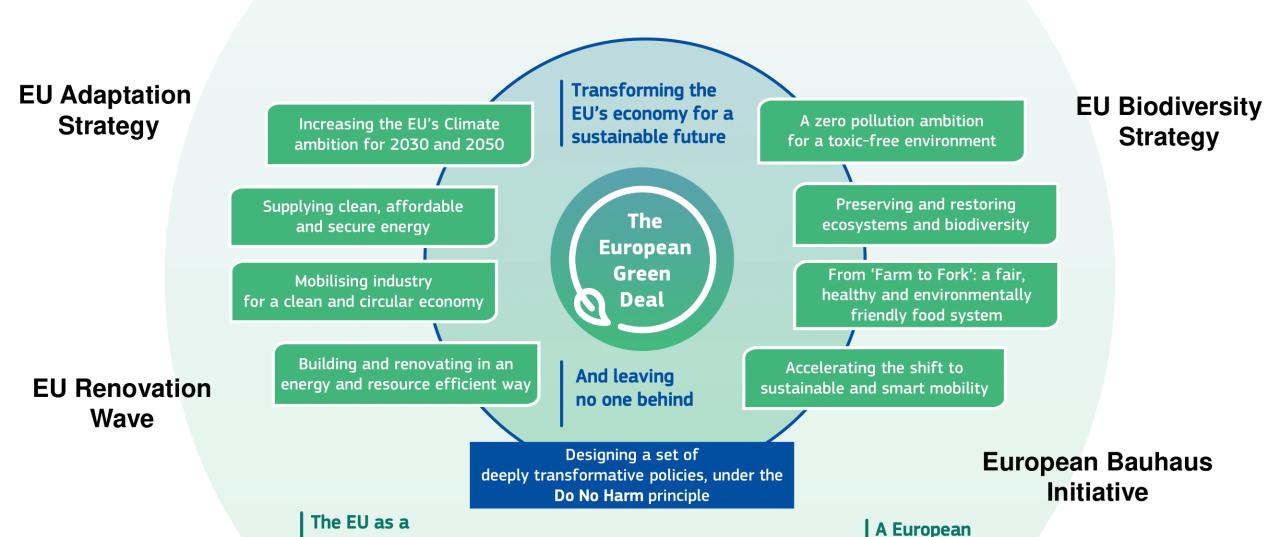


The European Green Deal

global leader



Climate Pact



COMMUNITY OF NATURE-BASED ENTERPRISES



About V Opportunities

Communities V Clusters V Contact Us









The Connecting Nature Enterprise Platform

Connects:

Suppliers of nature with buyers of nature

Nature-based enterprises with financing

Innovators with those seeking inspiration

Policy-makers with practitioners

Everyone with the latest nature-based research.

www.naturebasedenterprise.eu

- Global database of naturebased enterprises
- Online marketplace for buyers and suppliers of nature-based solutions
- Animated communities of interest – moderated by industry leaders
- Enterprises connected with financing opportunities





https://research-and-innovation.ec.europa.eu/research-area/environment/nature-based-solutions_en





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11 MAY 2023 | 16:00 - 17:30 CEST | PALAIS DES NATIONS & ONLINE





WHAT'S NEXT?





VIRTUAL

Understanding the
Circular Economy:
Measuring, modelling,
and monitoring circular
jobs | Launch of the ILOCircle Economy-World
Bank Initiative

09 MAY 2023 13:30 - 15:00 Online | Webex ILO, World Bank Group, Circle Economy, GEN

Green Economy

O SDG8



CONFERENCE

Innovating and Unlocking Finance for Nature-based Solutions

11 MAY 2023 16:00 - 17:30 Palais des Nations | Room XXIV & Online EU, IUCN, GEN

⊙ Green Economy | Nature

O SDG8 | SDG9





GEN @ 2023 BRS COPS





CONFERENCE

Advancing a Human Rights-based Approach to Pollution for People and the Planet | BRS COPs 2023 Side Event

10 MAY 2023 13:15 - 14:45 CICG | Room C & Online OHCHR, UNEP, UNDP, ILO, UNECE, FAO, Minamata Convention on Mercury, UN EMG, GEN

- Chemicals and Pollution | Human Rights and Environment
- O SDG12



CONFERENCE

Unlocking MEAs'
Potential: Supporting
Parties' Environmental
Action through Data and
Knowledge Management
| BRS COPs 2023 Side
Event

10 MAY 2023 18:15 - 19:45 CICG | Room 11-12 & Online BRS, Minamata Convention on Mercury, CITES, InforMEA, GEN

- Chemicals and Pollution
- O SDG17



GEN @ 2023 BRS COPS





CONFERENCE

Plastics and chemicals under the Stockholm convention: Impact on the ground and potential synergies and gaps in relation to a future plastics treaty | BRS **COPs 2023 Side Event**

04 MAY 2023 18:15 - 19:45 CICG | Room 11-12 & Online | Webex

- Chemicals and Pollution
- O SDG3 SDG12



CONFERENCE

PCB elimination by 2028: Potential of the noncombustion destruction technologies | BRS COPs 2023 Side Event

05 MAY 2023 13:15 - 14:45

CICG | Room B & Online | Webex

- Chemicals and Pollution
- O SDG3 | SDG12



CONFERENCE

Tackling the Hidden Basel Plastic Wastes | **BRS COPs Side Event**

08 MAY 2023 18:15 - 19:45

CICG | Room 14 & Online | Webex Basel Action Network, IPEN

- Chemicals and Pollution | Plastics
- O SDG3 | SDG12





Chemicals and Pollution

O SDG3 | SDG12