



Assessment Report on the Sustainable Use of Wild Species

<https://ipbes.net/sustainable-use-assessment>

The Intergovernmental Science-Policy Platform
on Biodiversity & Ecosystem Services



#SustainableUse Assessment



Food and Agriculture
Organization of the
United Nations

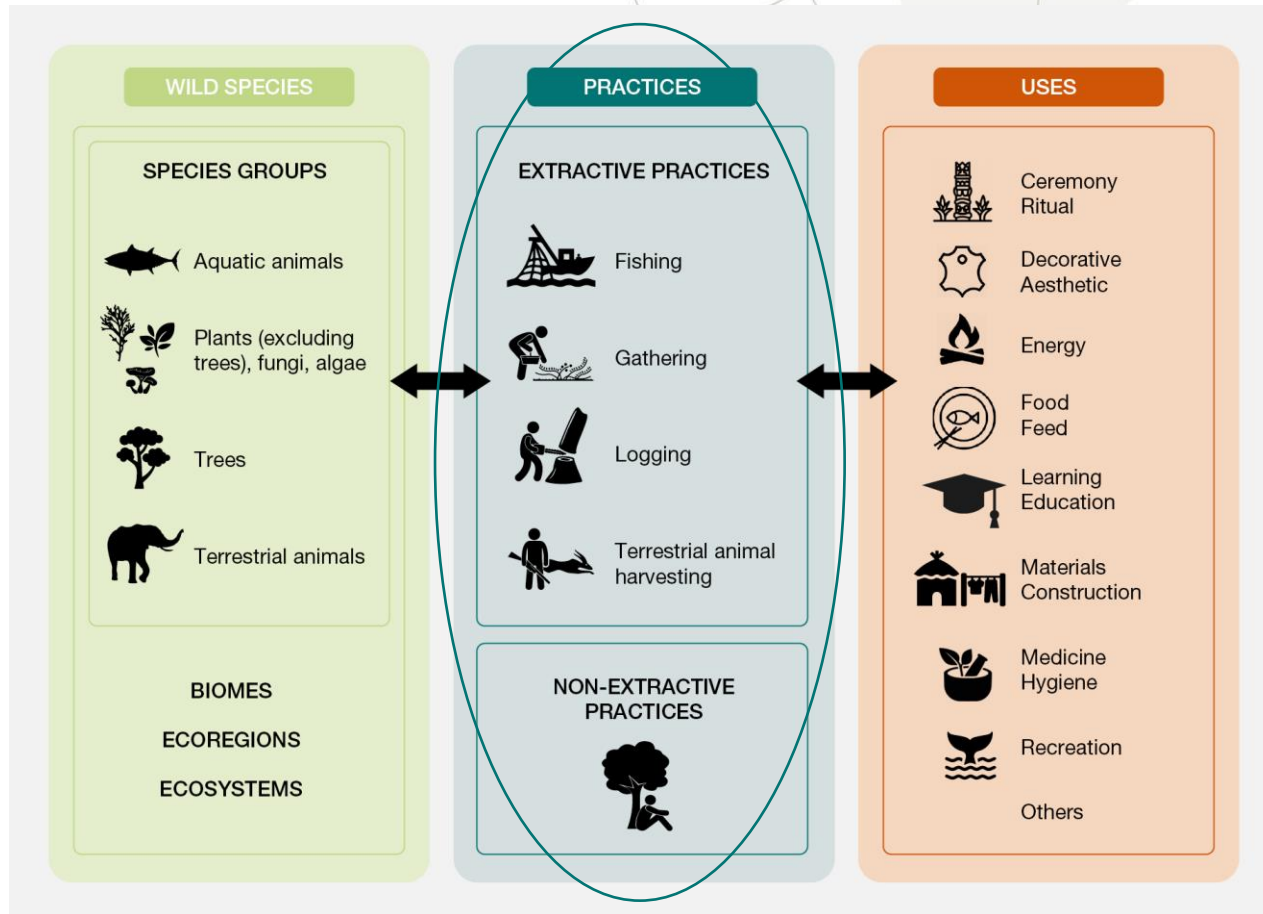


Sustainable Use Assessment Process - Rigorous



- 4 years (2018-2022)
- **85** interdisciplinary experts
- **>200** contributing authors
- **>50** countries
- **>6200** references
- 4 external review periods
- **Scientific literature** and **indigenous and local knowledge**

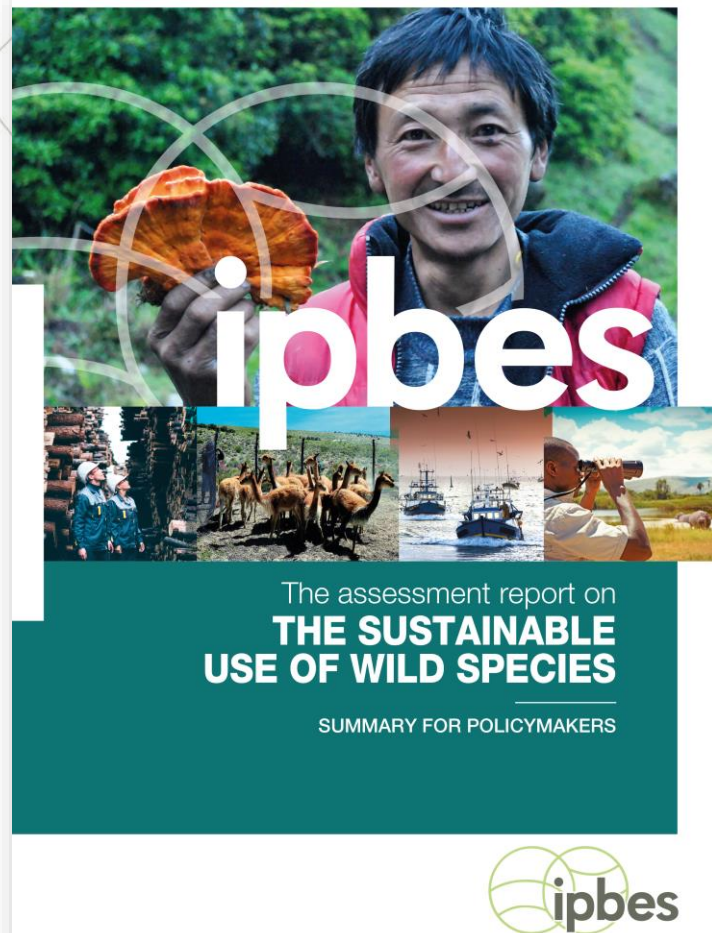
Sustainable Use Assessment Process - Comprehensive



Relevance for Global Biodiversity Framework

Goal B: Biodiversity is sustainably used & managed (almost all targets, esp.)

- **T.3** Protected areas
- **T.4** Species conservation
- **T.5** Prevent overexploitation
- **T.9** Ensure sustainable use & management of wild species
- **T.14** Integration at all levels of government & across sectors
- **T.20** Best available data, information, & knowledge
- **T.21 & T.22** Rights & equity for IPLC, women and girls, children & youth, persons with disabilities





**Sustainable use of wild species is
critical for people and nature**



Billions of people rely on and benefit from uses of wild species

- Culturally
- Economically
- Subsistence
- Informal & formal markets

T 3/5/9/21/22





1 in 5 People Rely on
wild species for food &
income

2.4 Billion People (1
in 3) depend on fuel
wood for cooking

T 9/14/21

50,000+ wild species

algae, animals, fungi, plants

>10,000 wild species for human food

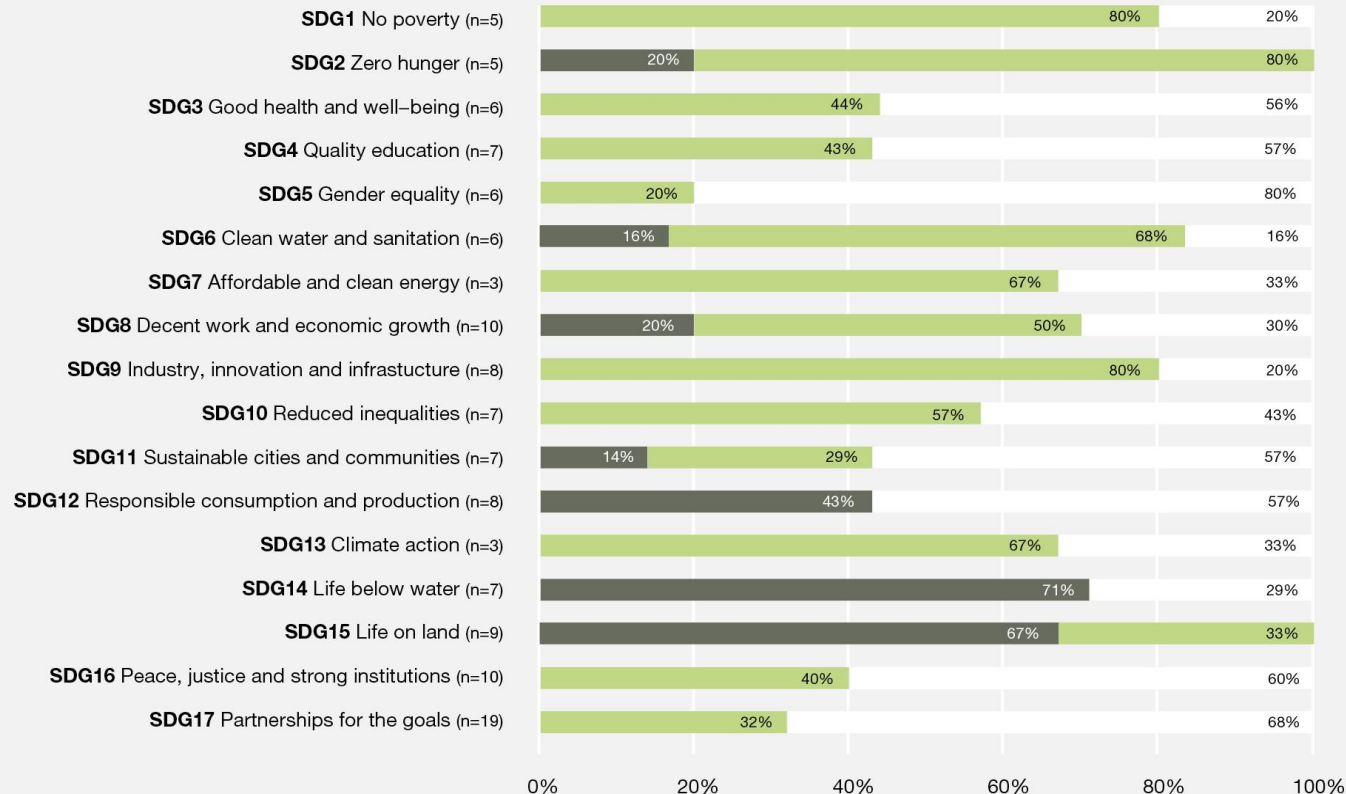
food security & sovereignty

nutrition & health

T 3/4/9/12



Support implementation of the SDGs



PERCENTAGE OF TARGETS (FOR EACH SDG)

- CONTRIBUTIONS ALREADY TAKEN INTO ACCOUNT
- POTENTIAL CONTRIBUTION FROM SUSTAINABLE USE OF WILD SPECIES
- NOT RELEVANT TO THE SUSTAINABLE USE OF WILD SPECIES

T 9/12/14/20/22



Critical to reverse biodiversity decline

Overexploitation is a main threat

Effective management for sustainable use

- Demonstrated local conservation success
- Revenues to support protected areas & restoration

IPLC stewardship of biodiversity

Central to IPLC identity & existence

- Culture
- Livelihoods
- Well-being

**Loss of opportunity =
Existential threat**

T 3/5/7/9/14/17/20/21





Grounded in
knowledge,
practices, and
worldviews



Status, trends, key elements and conditions



Status and trends in uses of wild species vary depending on types and scales of use, and social-ecological contexts



- Overfishing and bycatch



- Trade and harvest of wild plants, algae, and fungi



- Terrestrial animal harvesting: large mammals targeted



- Unsustainable and illegal logging: energy and climate change



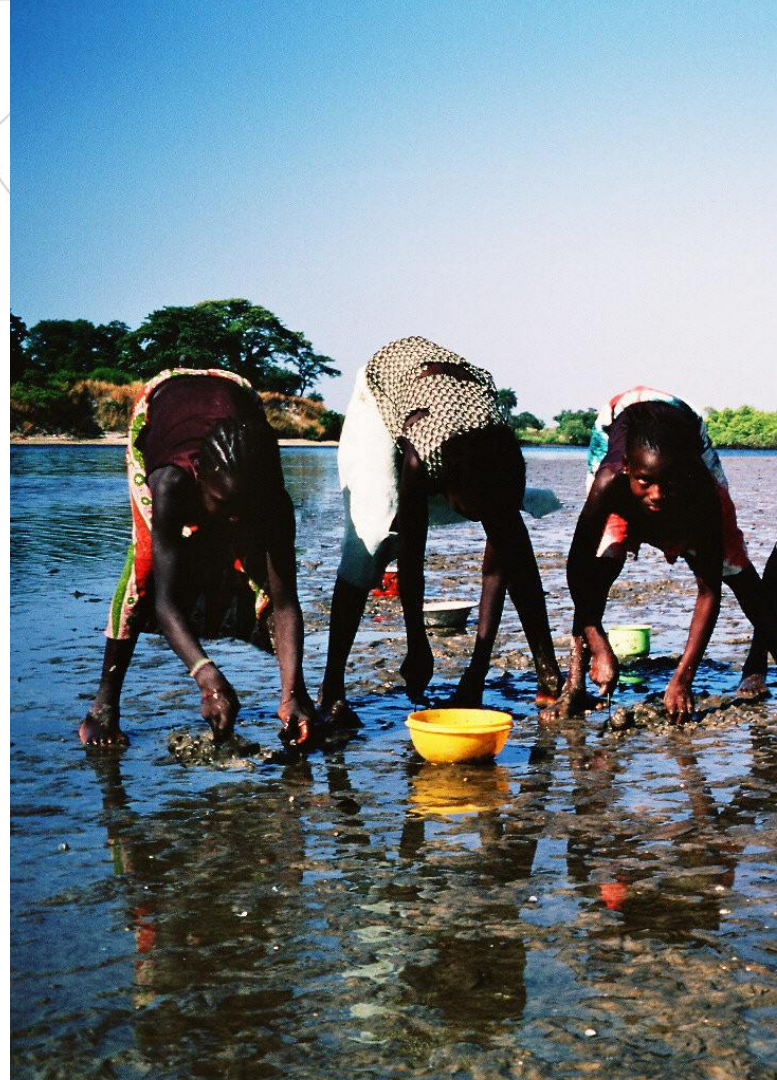
- Nature-based tourism and recreation

Key elements of sustainable use identified but indicators incomplete and lack social components

- Evolving conceptualisation of sustainable use: biodiversity - human wellbeing
- Fragmented view of wild species use linked to incomplete indicators: impedes sustainable use and practices
- Low sensitivity to the sustainability of individual practices

Policy success depends on social-ecological context, support to fairness, rights, and equity

- Social-ecological conceptualizations of sustainable use influence monitoring and policy, help avoid failures
- Fairness, rights, and equity are essential to sustainable use
- Outcomes of market-based incentives (i.e., certification) are mixed and mostly work in high-value markets



Policy works best when supported by strong institutions, aligned across sectors and scales, and use participatory, inclusive and adaptive approaches

Enabling conditions for sustainable use policy:

- Adaptive and participatory governance
- Cross-sector and cross-scales alignment
- Secure tenure rights and equitable access
- Strengthening customary institutions and rules

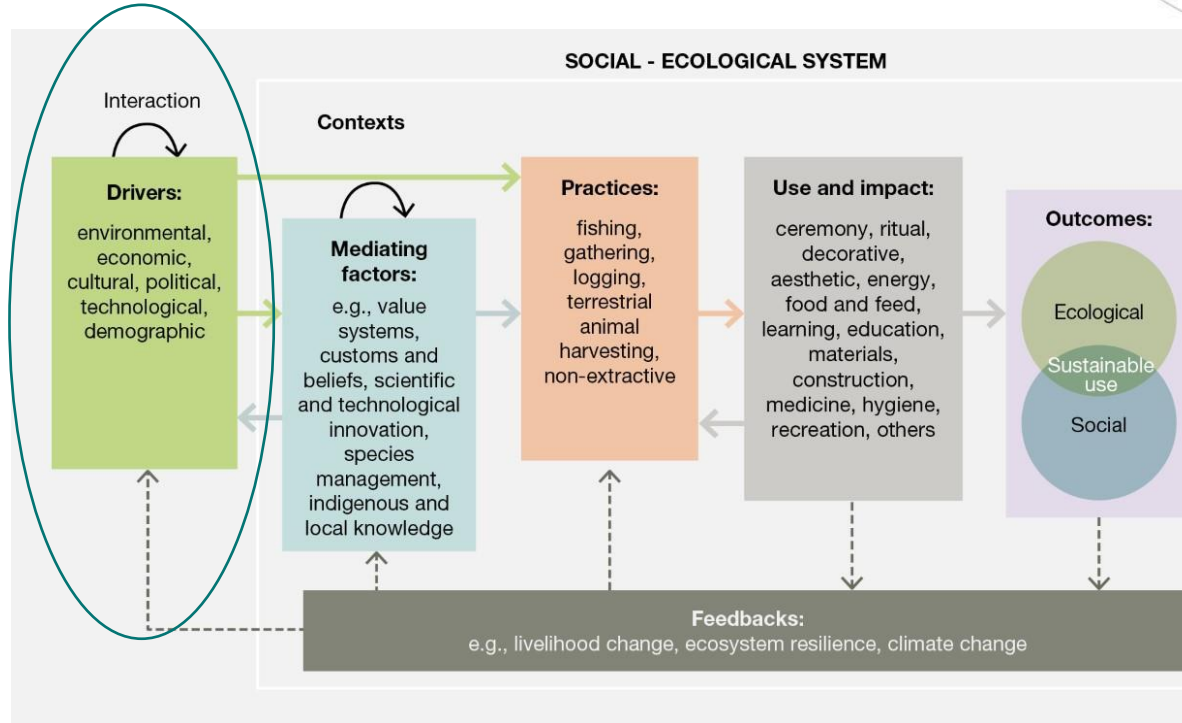




Drivers, pathways and levers



The sustainability of the use of wild species is influenced by multiple drivers



Landscape and seascape changes, climate change, pollution and invasive alien species impact the abundance and distribution of wild species, and can increase stress and challenges for the human communities who use them

climate change

T 4,5,6,7,8,9,11

Multiple drivers

- Shifts from wild to **farmed** stocks driven by regulations, market forces
- **Global trade** in wild species increased, is a major driver of increased use; poorly regulated can drive unsustainable use
- **Illegal harvest and trade** are widespread, lead to other problems and inequities
- (Armed) **conflicts** can have strong, diverse impacts on sustainability of use, communities who rely on them
- **Urbanization** impacts sustainability of use (negatively and positively)

T 4,5,12,14,15,16



Livelihoods, inequities, Indigenous People and Local Communities

- **Environmental degradation and resource depletion** threaten livelihoods, well-being of people who rely on wild species, especially those living in poverty
- **Multiple drivers** threaten IPLC uses of wild species
- **Secure land tenure and resource rights** can contribute to sustainable use
- Sustainable use undermined by **inequitable distribution of costs, benefits** from wild species uses
- **Inequities** in distribution of costs and benefits from common failure to take gender into account

T 1,3,9,21,22



Education and Science

- Education and communication can improve sustainability
- Science, research and technology (setting quotas, harvest levels) can support or undermine sustainable use and local livelihoods based on them

T 4/5/9/16/17/20



Scenarios and models indicate **climate change** will change many aspects of wild species uses and may further exacerbate social and economic vulnerabilities and inequalities

Effects on the population dynamics of targeted wild species and the ecosystems they inhabit.

For example, climate change projections in high-emission scenarios up to 2100 show a decrease in global ocean biomass; the global catch is projected to be potentially reduced in all systems and more substantially in **tropical systems**



Increasing **human populations and consumption** will increase pressure on wild species

Technological advances will have negative and positive effects on uses of wild species

Scenarios of wild species uses are few but indicate **transformative change** will be needed

T 8/10/15/16









































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Transformative and inclusive change



Scaling up policies that work

Key Elements						Current Status
Inclusive and participatory decision-making						
Inclusion of multiple forms of knowledge and recognition of rights						
Equitable distribution of costs and benefits						
Policies tailored to local social and ecological context						
Monitoring of social and ecological conditions and practices						
Coordinated and aligned policies						
Robust institutions, from customary to statutory						



Legally binding



Certification & voluntary



Voluntary



None

Adaptive management

Assess status & trends



Identify drivers of
(un)sustainability



Adapt uses & management



T 1/2/3/4/5/6/7/8/9





Transformative change in human-nature relationships

- Living in harmony with nature
- Respect
- Reciprocity
- Responsibility

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Thank you!

¡Gracias!

Merci!

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