

生物多様性及び生態系サービスに関する政府間科学—政策プラットフォーム(IPBES)について

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政策—科学インターフェーズとは？

意志決定を意義あるものにする目的で、
情報の交換、共に進化すること、共同で
知識を構築できるような、科学者と他の
アクターの間を可能にしていく社会的
プロセス

van den Hove, 2007 p807

Koetz et al 2008 p506



IPBES/6/L.2*

**Intergovernmental Science-Policy
Platform on Biodiversity and
Ecosystem Services**

Distr.: Limited

21 March 2018

Original: English

**Plenary of the Intergovernmental Science-Policy
Platform on Biodiversity and Ecosystem Services****Sixth session**

Medellin, Colombia, 18–24 March 2018

Item 6 (c) of the provisional agenda**

**Regional and subregional assessments of biodiversity and
ecosystem services: regional and subregional assessment
for Asia and the Pacific****Summary for policymakers of the regional and subregional
assessment of biodiversity and ecosystem services for Asia and
the Pacific****Note by the secretariat**

1. In decision IPBES-3/1, section III, paragraph 2, the Plenary of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES) approved the undertaking of four regional and subregional assessments of biodiversity and ecosystem services for Africa, the Americas, Asia and the Pacific, and Europe and Central Asia (hereinafter called regional assessments) in accordance with the procedures for the preparation of the Platform's deliverables set out in annex I to decision IPBES-3/3, the generic scoping report for the regional and subregional assessments of biodiversity and ecosystem services set out in annex III to decision IPBES-3/1, and the scoping reports for each of the four regional assessments (decision IPBES-3/1, annexes IV–VII).
2. In response to the decision, a set of six individual chapters and their executive summaries and a summary for policymakers were produced for each of the regional assessments by an expert group in accordance with the procedures for the preparation of the Platform's deliverables.



IPBES/6/6

**Intergovernmental Science-Policy
Platform on Biodiversity and
Ecosystem Services**

Distr.: General

8 December 2017

Original: English

**Plenary of the Intergovernmental Science-Policy
Platform on Biodiversity and Ecosystem Services****Sixth session**

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Item 6 (c) of the provisional agenda*

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IPBES/6/6 (会議前の 当初案)**Summary for policymakers of the regional and
subregional assessment of biodiversity and
ecosystem services for Asia and the Pacific****IPBES/6/L.2* L-doc (ほぼ 最終版)****Summary for policymakers of the regional and
subregional assessment of biodiversity and
ecosystem services for Asia and the Pacific**

Summary for Policymakers SPM 政策決定者向け要約 Policy Relevant but not Prescriptive


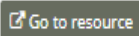

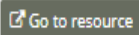

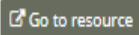

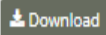

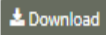

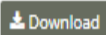
IPCCでも活用



The assessment report on
**POLLINATORS,
POLLINATION AND
FOOD PRODUCTION**

Assessment resources

Data and Resources

-  [First Order Draft: Thematic assessment of pollinators, pollination and food production](#) 
-  [Second order draft: Thematic assessment of pollinators, pollination and food production](#) 
-  [First order draft comments: Thematic assessment of pollinators, pollination and food production](#) 
-  [Second order draft comments: Thematic assessment of pollinators, pollination and food production](#) 
-  [Summary for Policy Makers of the thematic assessment of Pollinators, Pollination and Food Production](#) 
-  [Individual chapters and their executive summaries of the thematic assessment on pollinators, pollination and food production \(Laid out; posted on 5 March 2017\)](#) 

Dataset Info

生態系の変化の指数

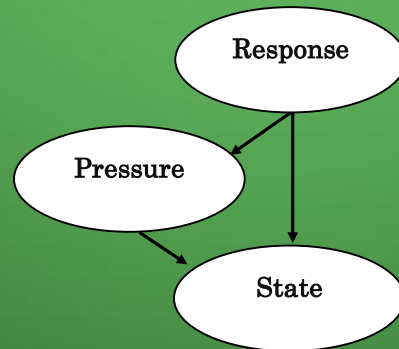
もともとのモデル OECD が1990年代に開始

負荷 (Pressure) - 状態 (State) - 対策 (Response)

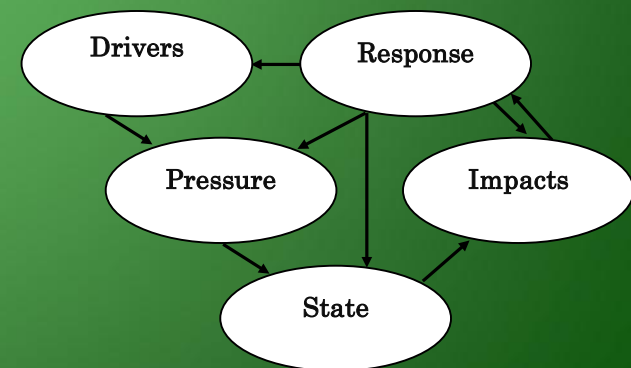
土地利用の変化 → 種の減少 → 保護区の策定

要因 (Driver) - 負荷 (Pressure) - 状態 (State) - 影響 (Impact) - 対策 (Response)

欧州環境庁 (EEA) も採択

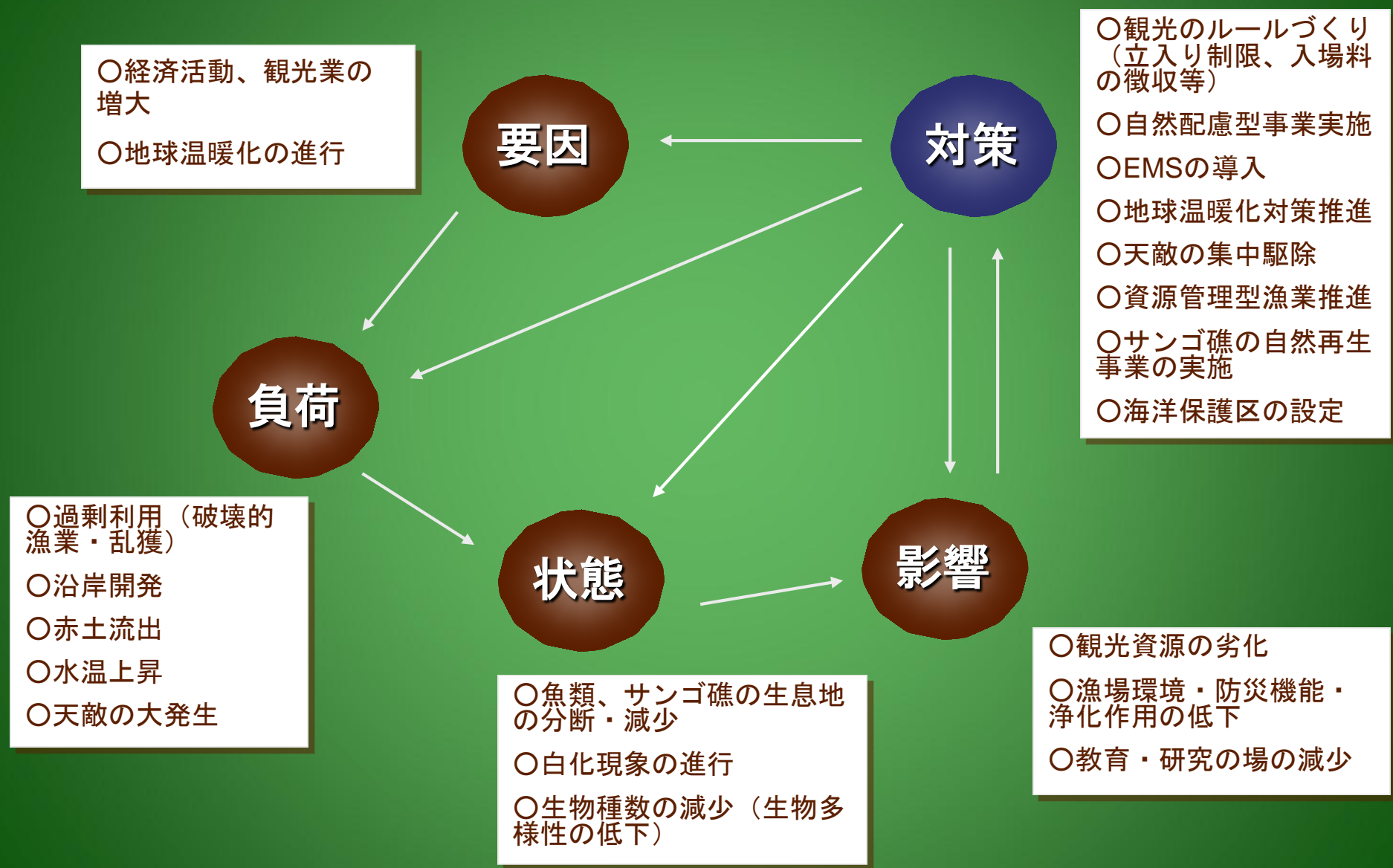


PSR model



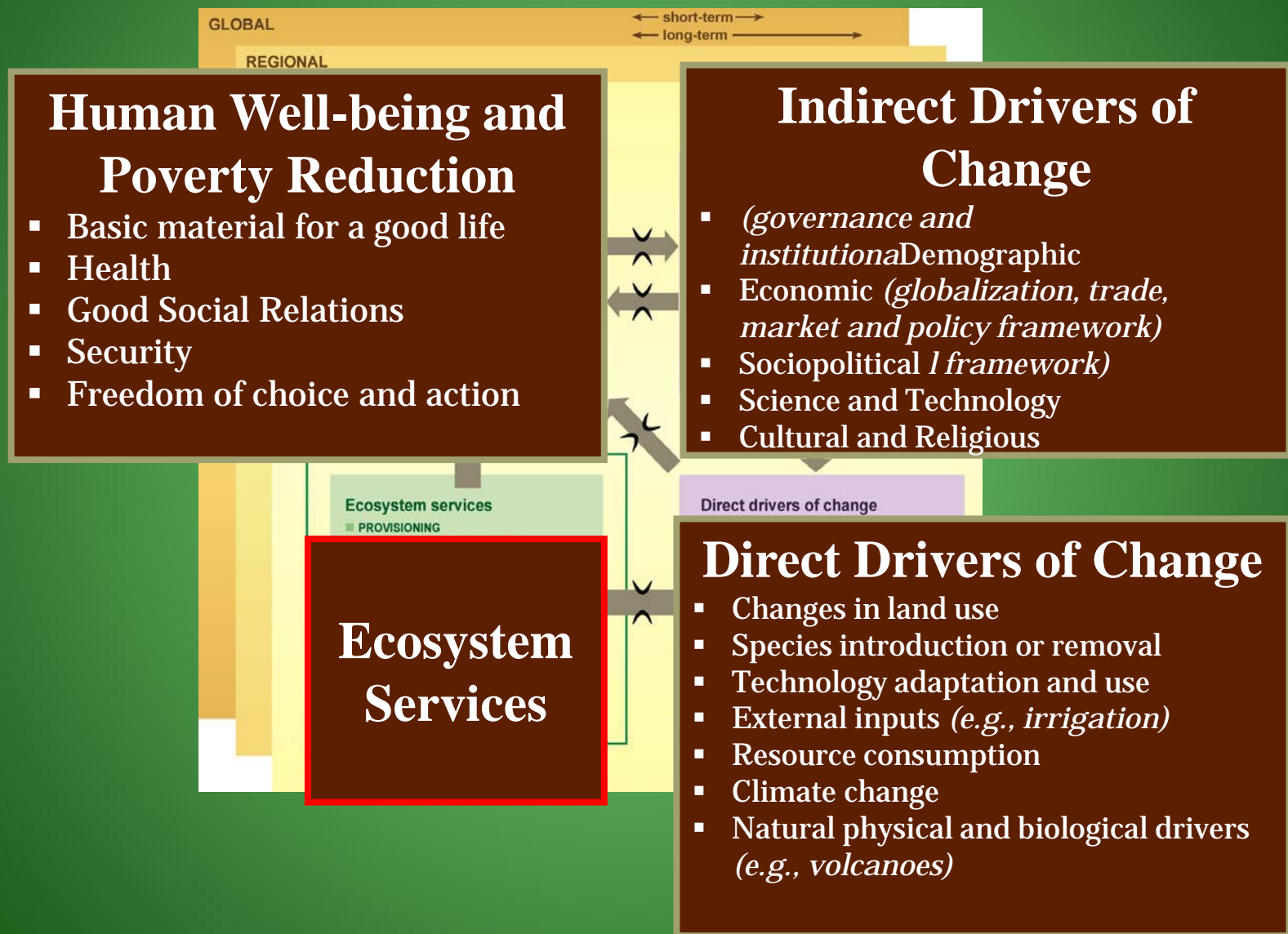
DPSIR model

サンゴ礁生態系におけるDPSIRモデルのあてはめ



(参考) <http://www.biodic.go.jp/biodiversity/jbo/20-1/mat2.pdf> (環境省HP)

Example) MEA Framework



生態系の劣化は人間生活にどう影響するか

豊かで快適な生活に必要な要素

生態系サービス

- 基本的サービス
- ・ 栄養塩の循環
 - ・ 土壌形成
 - ・ 生物生産
 - ・ その他

- 物質供給サービス
- ・ 食糧
 - ・ 水
 - ・ 木材や繊維
 - ・ 燃料

- 調節的サービス
- ・ 気候の調節
 - ・ 洪水の調節
 - ・ 病気・害虫の制御
 - ・ 浄水作用

- 文化的サービス
- ・ 美的文化
 - ・ 精神文化
 - ・ 教育
 - ・ リクリエーション

LIFE ON EARTH - BIODIVERSITY

安全性

- ・ 個人の安全性
- ・ 資源の安全性
- ・ 病気からの安全性

よい生活に必要なもの

- ・ 十分な生計
- ・ 栄養のある食べ物
- ・ 災害からの保護設備
- ・ 十分な財

健康

- ・ 身体の強さ
- ・ 快適さ
- ・ 清浄な水と空気

良好な社会関係

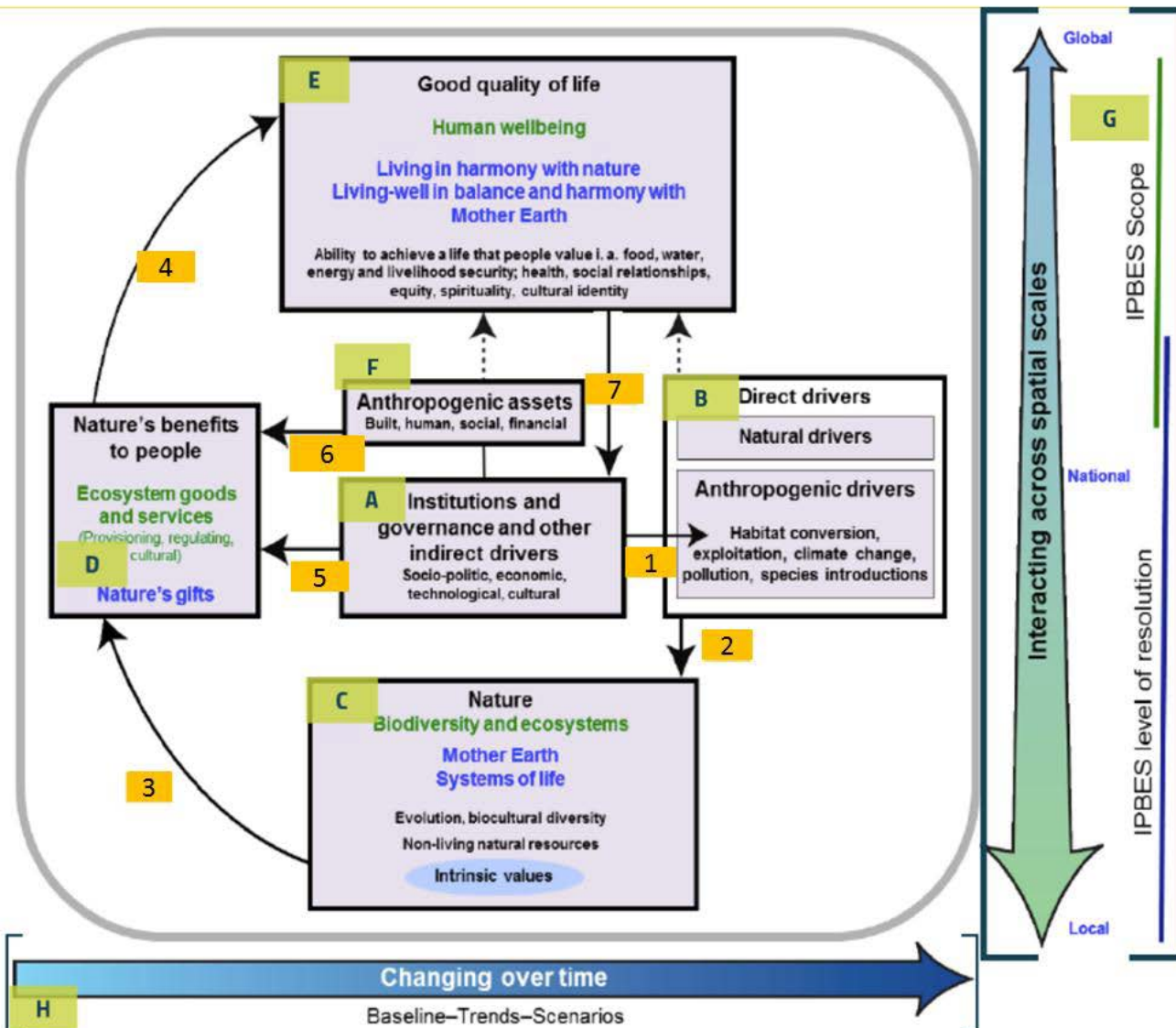
- ・ 社会とのつながり
- ・ 互いの尊敬
- ・ 相互扶助

人間の選択と行動

個人の価値観や可能性に基づいた選択

Source: Millennium Ecosystem Assessment

矢印の色の濃さは、社会経済的な結びつきの強さ、
矢印の太さは生態系サービスとの結びつきの強さを示す





BATTLE OVER BIODIVERSITY

An ideological clash could undermine a crucial assessment of the world's disappearing plant and animal life.

It's a hot and humid afternoon in the suburbs of Washington, D.C., and Rob Watson is looking worried. BY EHSAN MASOOD has been tasked to focus on the epic disappearance of plant and animal populations.

紛糾している議論

Ecosystem Service VS Nature's contribution to People

THIS WEEK

EDITORIALS

WORLD VIEW Online technology can solve replication problems **p.411**

OPPIOIDS Drug tweaks offer a step towards safer painkillers **p.412**

PRETTY BIRD Ancient Americans farmed famed giant parrot **p.412**



Biodiversity needs more voices

The global body for biodiversity science and policy must embrace its inclusive approach and heal a damaging rift with its critics over how to value the natural world.

Most scientists and conservationists agree the planet is on the edge of an extinction crisis. But the best way to address that crisis is still the subject of some debate. A new international body was set up to help, by offering scientific advice to policymakers. But a dispute over how to value the natural world threatens to undermine its efforts. Both sides in the debate must remember what really matters here: securing a sustainable future for the planet.

The international body is the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES). It is set to release a landmark report that scientists hope will accelerate global political efforts to address declining biodiversity — in the same way that work on global warming has been focused and energized by the Intergovernmental Panel on Climate Change (IPCC). IPBES has taken a more inclusive approach than the IPCC did, and it leans more heavily on researchers and scholars from science and the humanities, citizen scientists and representatives of indigenous peoples.

As we report in a News Feature on page 423, this level of inclusion presents a challenge: the different perspectives are making it difficult for the organization to present consensus, particularly on the

unnoticed among the funders and policymakers it is trying to influence. Policymakers who rely on scientific knowledge are highly sensitive to internal disagreements; the IPCC was able to exercise genuine influence only once the internal scientific debate over anthropogenic climate change was settled, after 1996. Economic arguments have become extremely persuasive with many policymakers, so it is important that future IPBES assessments include them prominently alongside other analyses.

The real battle is to slow down and eventually halt the loss of biodiversity. But it won't be won if discord continues among the members of what should be a winning team for the planet.

IPBES should acknowledge the expertise of colleagues from the ecosystem-services community in presenting ideas in a way that engages policymakers. And that community, in turn, needs to accept that there is virtue in being first among equals. ■

“Economic arguments have become extremely persuasive with many policymakers.”

生物多様性は各国内の問題か？
(IPCCとIPBESの差異)

経済的評価の重要性
各地の伝統的知識の継承...

IPBES と IPCC の違い

- IPCC 普遍性 ハードな サイエンス
- IPBES コンテキスト依存 伝統的知識
途上国によりオープン

全球的,グローバルな 評価は 難しい (けどやる)

時間 や空間の Scale の課題

Scale up, down のほかに 地域固有の伝統的知識
の存在など

ご清聴ありがとうございました

生物多様性と私たち

COP10から未来へ

香坂 玲著



岩波ジュニア新書

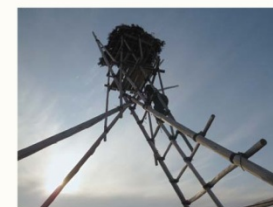
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地域再生

逆境から生まれる新たな試み



香坂 玲

さまざまな逆境をバネにして
地域に元気を取りもどす――

鳥取県鳥取市／埼玉県神川町／愛知県名古屋市熱田区
石川県能登町／北海道夕張市／三重県四日市市
沖縄県恩納村／熊本県水俣市／宮城県気仙沼市
本書で扱う地域



わかる、使えるくはじめの1冊
岩波ブックレット 創刊30年

定価（本体640円＋税）



SDGs
貧困:1
飢餓:2
健康:3
教育:4
ジェンダー:5
安全な水:6
エネルギー:7
労働・経済:8
産業・技術革新:9
格差:10
都市:11
生産・消費:12
気候変動:13
環境(海):14
環境(陸):15
平和・公正:16
パートナーシップ:17

愛知目標
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根本的な
要因への
取り組み

直接的な
要因への
取り組み

状況の
維持・改善

自然の
恵みの変化

実施の
強化

出典: SBSTTA、CBD、IUCN-Jの資料を基に
作成 (Uchiyama and Kohsaka 投稿中)

指数の役割（生態系の変化）

- D, P, S, I (P) 各段階の変化を知らせる
* 現実(リアリティ)を解釈するためのツール
- 変化の関係性を特定する基盤になる
- 時間と空間のスケールに依存する