

### Webinar on Landmark U.N. Biodiversity Report with Lead Co-Author May 21@1pm EDT



# Leveraging Sustainability: Insights from the IPBES Global Assessment

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Science & Environment

## Five things we've learned from nature crisis study

By Matt McGrath Environment correspondent

() 6 May 2019

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Global trends for insects are not known, but large declines have been recorded in some locations



World

## Nature is in its worst shape in human history, UN report says

#### f 🕑 🛛 🥌 (in)

'This is really our last chance to address all of that,' godfather of biodiversity says The Associated Press · Posted: May 06, 2019 6:30 AM ET | Last Updated: May 6



The United Nations issued its first comprehensive global scientific report on biodiversity, which explored the threat of extinction for Earth's plants and animals. (Ben Curtis, File/Associated Press)





More than 450 of the worlds leading experts. One #GlobalAssessment

**#IPBES7** 

# Outline

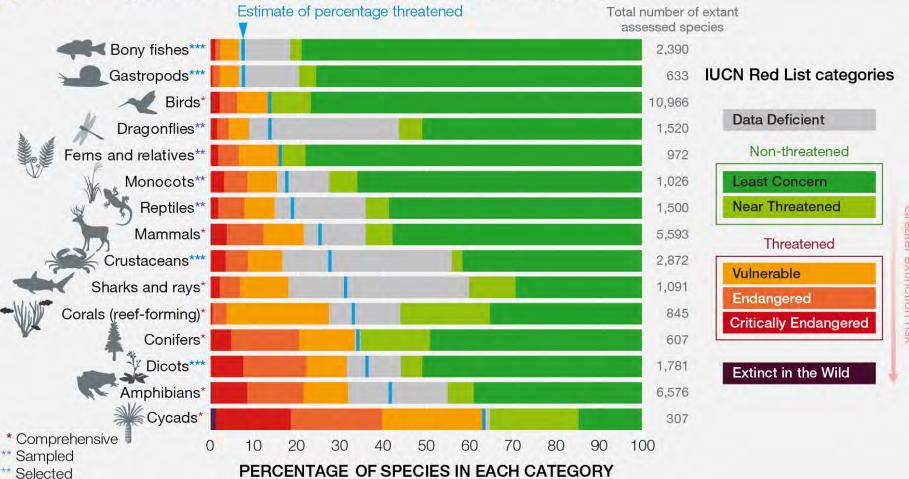
- IPBES Global Assessment intro
- Highlights (of the bad news)
- Levers & leverage points for interlinked goals
- Putting it together
- Negotiations
- A role for civic action
- CoSphere/Earth+

# **IPBES GA Contents**

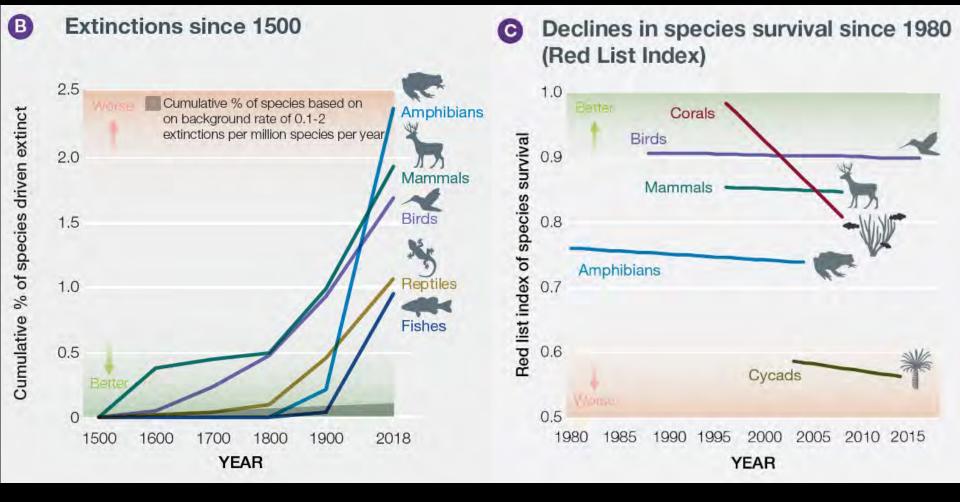
### I. Introduction

- 2. Status & Trends: Nature, Its Contributions, Drivers
- 3. Progress and Prognosis towards Goals
- 4. Scenarios & Models
- 5. Pathways towards a Sustainable Future
- 6. Options, Obstacles, Opportunities

#### Current global extinction risk in different species groups



Greater extinction risk



91 of the 107

leading global crop types rely on **animal pollination** 



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SASSESSMENT ON POLLINATORS, POLLINATION AND FOOD PRODUCTION



Is the world on track to meet the global goals for nature and sustainability? #GlobalAssessment 6 May



### **Aichi Biodiversity Targets**



### Sustainable Development Goals



0	Target (abbreviated)		Progress towards elements of each target				
Goal			Poor	Moderate	Good	Unknown	
Drivers		Awareness		$\sim \sim$			
	Q <sup>c</sup>	Planning & accounting	8				
	1	Incentives	88				
		Production & consumption	88				
Pressures	J.	Habitat loss	88				
		Fisheries	88			0	
	37	Agriculture & forestry	88	~			
	21	Pollution	88				
š	22	Invasive alien species	88		V	0	
	-	Coral reefs etc	88				
S	11	Protected & conserved areas		0000	VV		
Status	12	Extinctions prevented	88				
õ		Genetic diversity		~~~~		0	
Benefits	14	Ecosystem services	×			0	
	15	Ecosystem restoration				88	
	16	Access & benefit sharing		$\sim$	V		
Implementation	L.	Strategies & action plans		~~	V		
	718	Indigenous & local knowledge		$\sim$		99	
	19	Biodiversity science		$\sim$		0	
	20	Financial resources		$\sim$			

Selected Sustainable Development Goals		Recent status and nature's support	Uncertain		
		Poor/Declining support	Partial support	Unknown	relationship
1 ‰m /f <b>if††if</b>	No poverty	00			00
2 ****	Zero hunger	0	000		
3 and well-ben	Good health and well-being			88	00
6 CLEAN HATER	Clean water and sanitation	000	•		
	Sustainable cities and communities	0000	•		
13 LEMAN	Climate action	0	•	000	
14 LEE BELOW WATER	Life below water	0000	000		
15 br.wo	Life on land	000	000		

\* There were no targets that were scored as good/positive status and trends



#### Source: PBL

# Takeaways

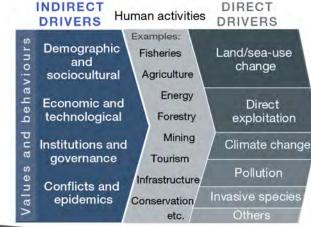
- Conservation and sustainable use—key but insufficient
- Successful pathways addressed demand-side, institutions
- Some 'levers' and 'leverage points' were largely implicit
- Thus we supplemented with extensive literature reviews



Integrative, adaptive, informed and inclusive governance approaches including smart policy mixes, applied especially at leverage points

MULTI ACTOR GOVERNANCE INTERVENTIONS (LEVERS)

- · Incentives and capacity building;
- Cross-sectoral cooperation
- Pre-emptive action
- Decision-making in the context of resilience and uncertainty
- Environmental law and implementation





#### LEVERAGE POINTS

- Embrace diverse visions of a good life
- Reduce total consumption and waste

- Unleash values and action
- Reduce inequalities
- Practice justice and inclusion in conservation
- Internalize externalities and telecouplings
- . Ensure technology, innovation and investment
- Promote education and knowledge generation and sharing

Iterative Iearning Ioop