

資料 1

# 生態系を活用した防災・減災(Eco-DRR) の国際的動きについて

IUCN(国際自然保護連合)  
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# 国際政策 2015-2016年



2015年

第3回世界防災会議(仙台)  
「仙台防災枠組み」

SDGsサミット  
「持続可能な開発目標」

気候変動枠組み条約  
「パリ協定」

2016年

IUCN 世界自然保護会議



Planet at the  
crossroads  
Hawai'i - September  
2016

生物多様性条約 COP13



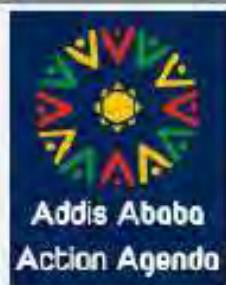
気候変動枠組み条約 COP22



UN World Conference on  
Disaster Risk Reduction  
2015 Sendai Japan

UN World  
Conference on  
DRR

3<sup>rd</sup> International  
Conference on  
Financing for  
Development



SDG Summit



UNFCCC  
COP 21



IUCN世界自然保護会議(WCC)  
ハワイ  
2016年9月1–10日



IUCN  
World  
Conservation  
Congress  
Hawai‘i 2016



# 数字で見るWCC



10箇

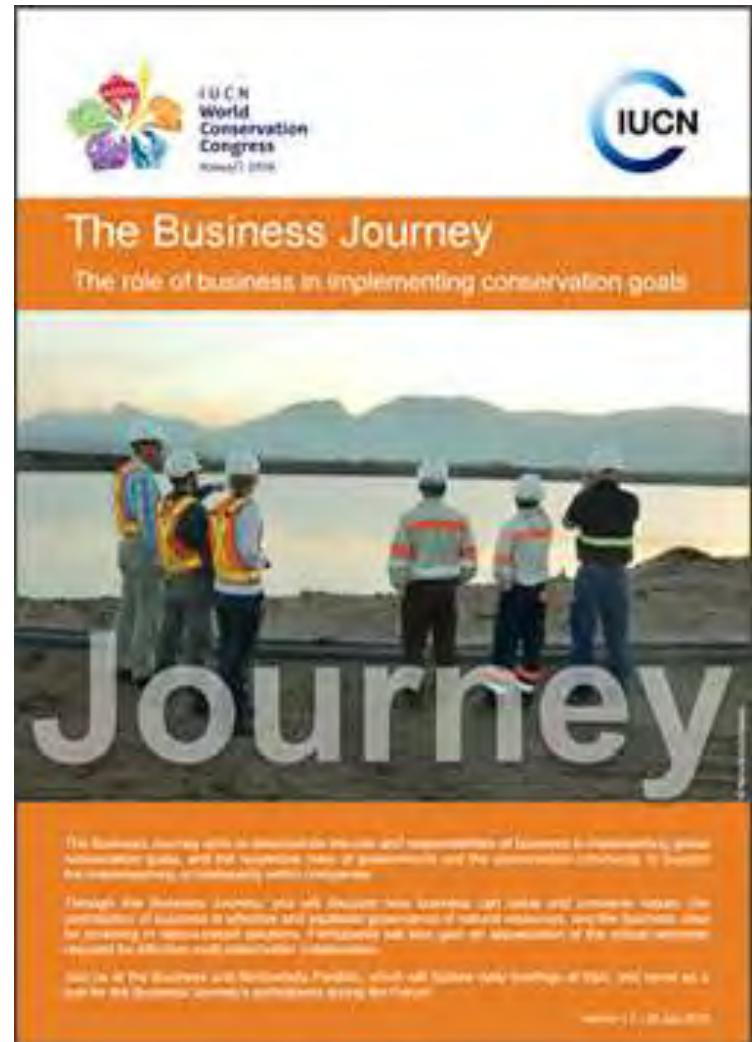
1.380  
セッション

10.000+  
参加者数

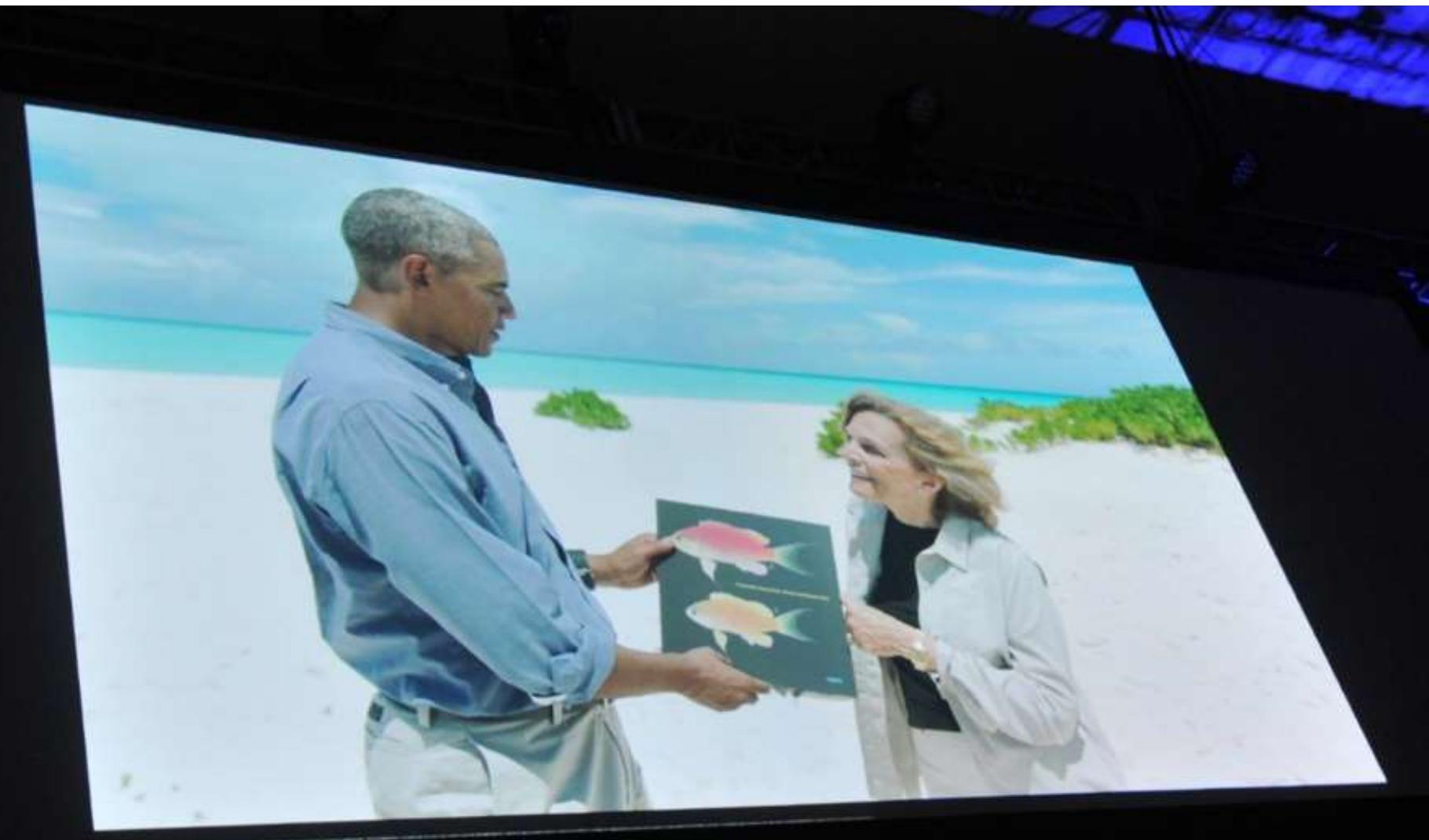
	6 ハイレベルダイアログ		57 コンサバーションキャンパス
	200 ワークショップ		205 ノレッジカフェセッション
	8 コンサバーションケース		326 Eポスター
	8 ノレッジハブセッション		372 パビリオンイベント
	23 UNDP Kauhale イベント		50 ソーシャルイベント
	11 重要な決定		3 戰略的対話
	843 の会員が参加		112 決議と勧告

# 扱われたテーマ

- ・ ビジネス、森林、次世代、島嶼、SDGs、世界遺産、気候変動、自然再生、Key Biodiversity Areas (KBAs)、生態系レッドリスト、バイオセキュリティ、野生生物の違法取引、外来種、保護地域、環境法、スピリチュアリティ、健康と自然、生態系ガバナンス、生態系を基盤とした解決策(NbS)

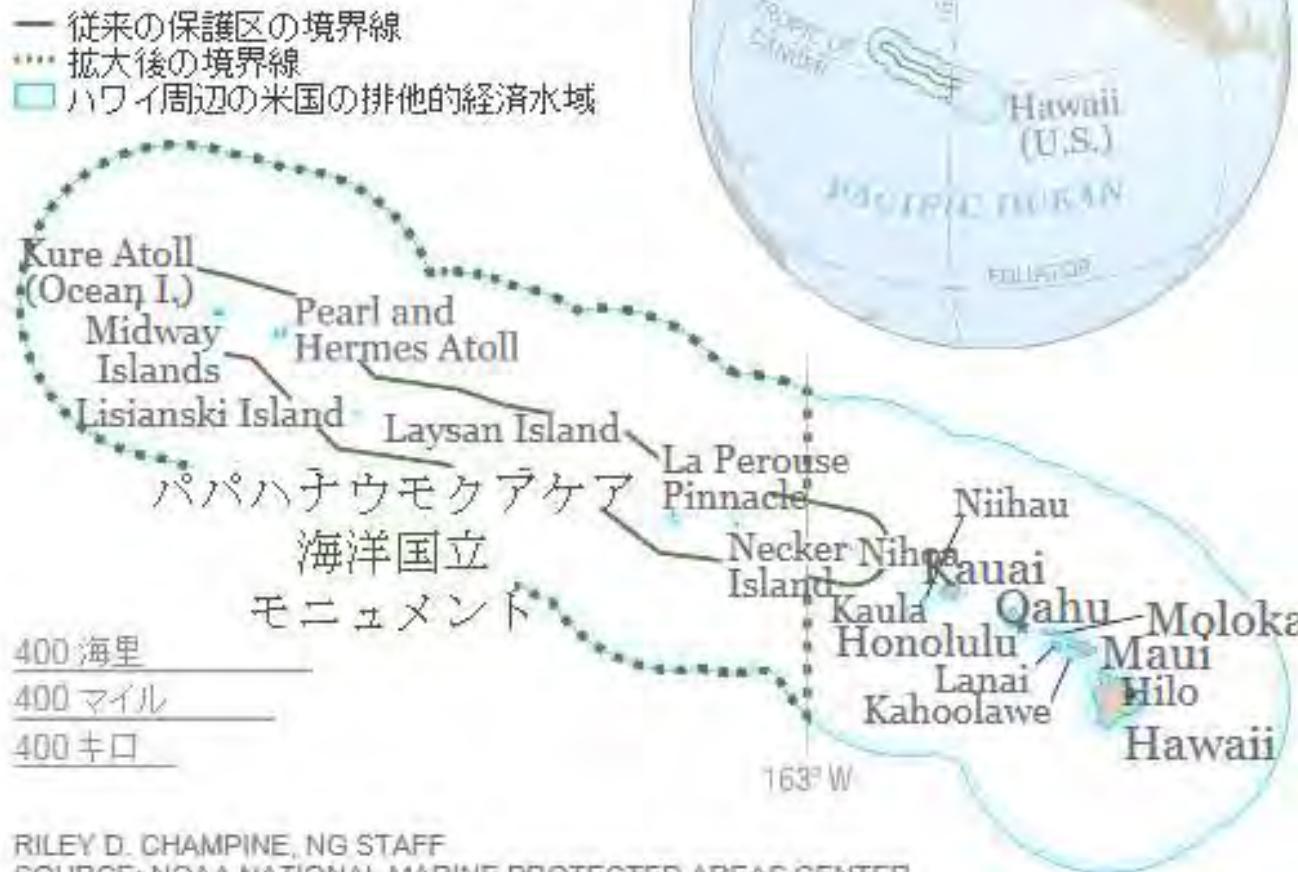


# オバマ前大統領



# パパハナウモクアケア海洋保護区

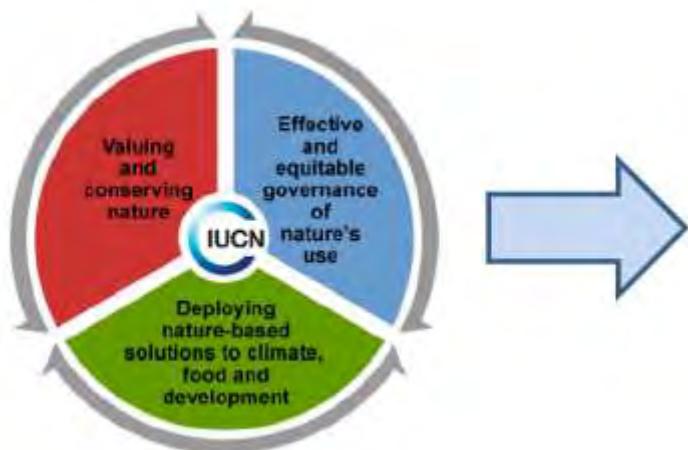
- 世界最大の海洋保護区
- 36万平方キロ→151万平方キロ
- 同区域内での商業的漁業を禁止



# IUCNプログラム2016-2017



- SDGsに沿った構成
- 社会の問題に対して  
Nature-based  
Solutions(自然を基盤と  
した解決策)を提供(グリ  
ーンインフラ、Eco-DRR  
、EbA等)



# 社会の課題に対する自然を基盤とした解決策 (Nature-based Solutions)



Category of NbS approaches	Examples
Ecosystem restoration approaches	Ecological restoration Ecological engineering Forest landscape restoration
Issue-specific ecosystem-related approaches	Ecosystem-based adaptation Ecosystem-based mitigation Climate adaptation services Ecosystem-based disaster risk reduction
Infrastructure-related approaches	Natural infrastructure Green infrastructure
Ecosystem-based management approaches	Integrated coastal zone management Integrated water resources management
Ecosystem protection approaches	Area-based conservation approaches including protected area management



# Nature-based Solutions to address global societal challenges

Editors: E Cohen-Shacham, G Walters, C Janzen,  
S Maginnis

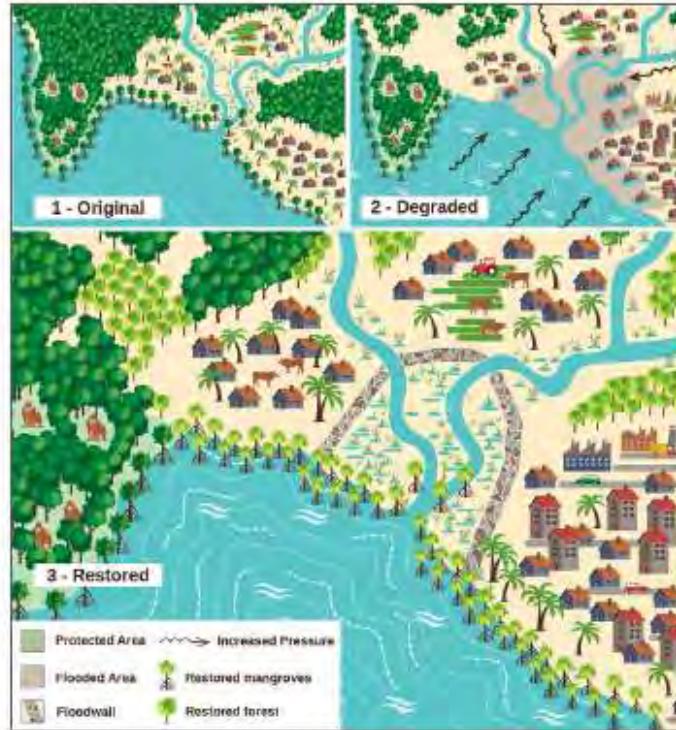
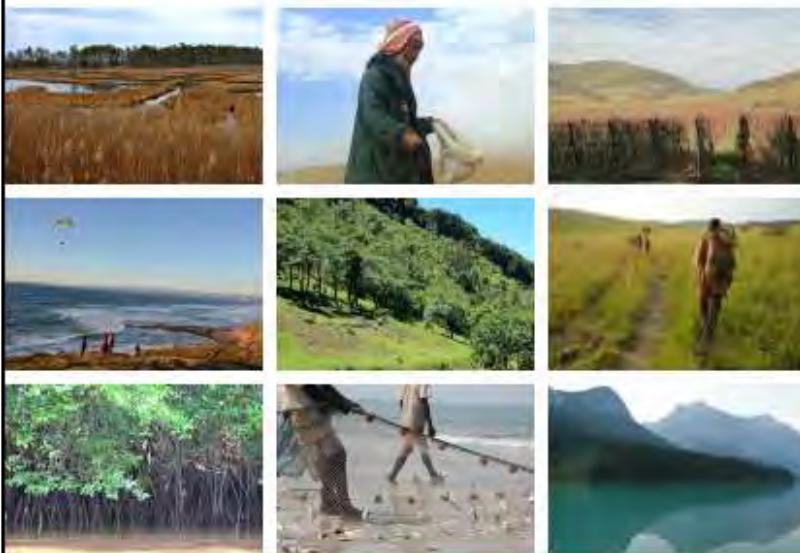


Figure 4. Hypothetical scenario of Nature-based Solutions being used in conjunction with infrastructure development and protected area conservation.

a frequent problem as the forest and wetland had been able to absorb a large part of any storm surges. Over time however, deforestation and degradation of the forest and wetland ecosystems have left the expanding settlements more susceptible to flooding. The remaining forest in the protected area now plays a critical role in absorbing flood flows. In order to

strengthen the ability of the protected area to perform this 'new' function and reduce flooding risk, it needs to be reconnected to the wider landscape to improve the entire watershed's functionality. The main NbS intervention—namely, restoration of the watershed, including the protected area—is therefore undertaken in combination with other NbS interventions



[NATURE](#) | [EDITORIAL](#)

## ‘Nature-based solutions’ is the latest green jargon that means more than you might think

It may sound vague, but the term represents real and vital concepts.

11 January 2017



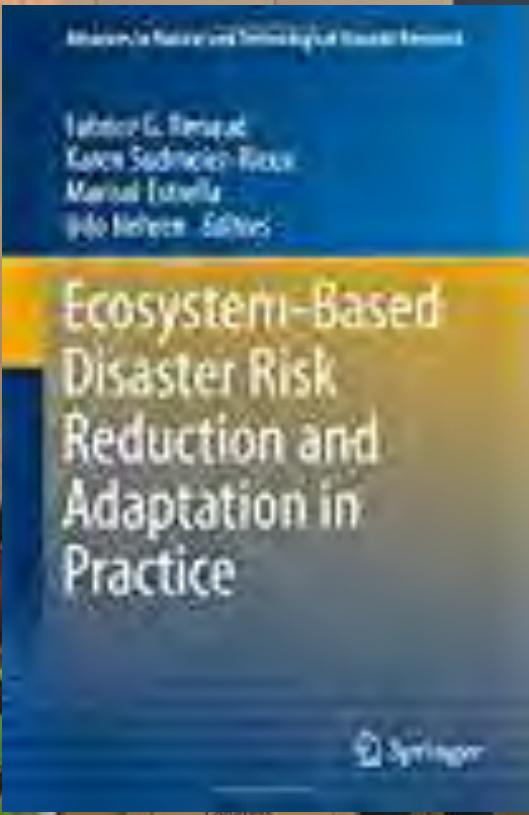
PDF



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The latest attempt to brand green practices is better than it sounds.

According to book publishers, there has been a surge of interest in writing and reading about nature. Something about the way people live in our modern world, they say, encourages readers to



# (参考)第3回PEDRRワークショップ ボン、2016年6月14-16日

- ・主催者:UNU-EHS, UNEP, WI, TNC, IUCN
- ・全体テーマ:Accelerate and scale up implementation of ecosystem-based approaches to disaster risk reduction (Eco-DRR/CCA) in the engineering and planning community
- ・参加者:約50名(地域、森・海・川、所属機関、専門領域バランス)



# EbA (Ecosystem-based Adaptation)



Ecosystem-based Adaptation: a snapshot of 5 years



Project by Craig R. Smith, October 2014. Contributors: IUCN USA Board Members, Delta Institute, Earth Charter, DigitalGlobe, GoodEnv, IUCN USA, UNDP, and S. G. Wittenberg, Argosys, Kora, SLC Consulting and the UN Environment, India. © IUCN 2014.

# UNFCCC COP22 Friends of EbA (FEbA)

- EbA 2008
- CBD 2009
- FEbA 2015



# Friends of EbA (FEbA)



- *FEBA - Friends of EbA is an informal network of organizations with an interest in promoting collaboration and knowledge sharing on Ecosystem-based Adaptation (EbA) through joint events and initiatives, as well as the development of position papers and technical documents on EbA.*
- IUCNがコーディネート(BMU IKIから資金援助)
- UNEP, UNDP, UNFCCC Adaptation Committee, ドイツ政府、イタリア政府、Birdlife等
- COP23にEbAに関するシンセシスレポートをFEbAが作成し、提出する予定

# 生物多樣性條約 COP13 (2016)



Resilience through Investing in Ecosystems -  
knowledge, innovation and transformation of  
risk management :RELIEF kit project



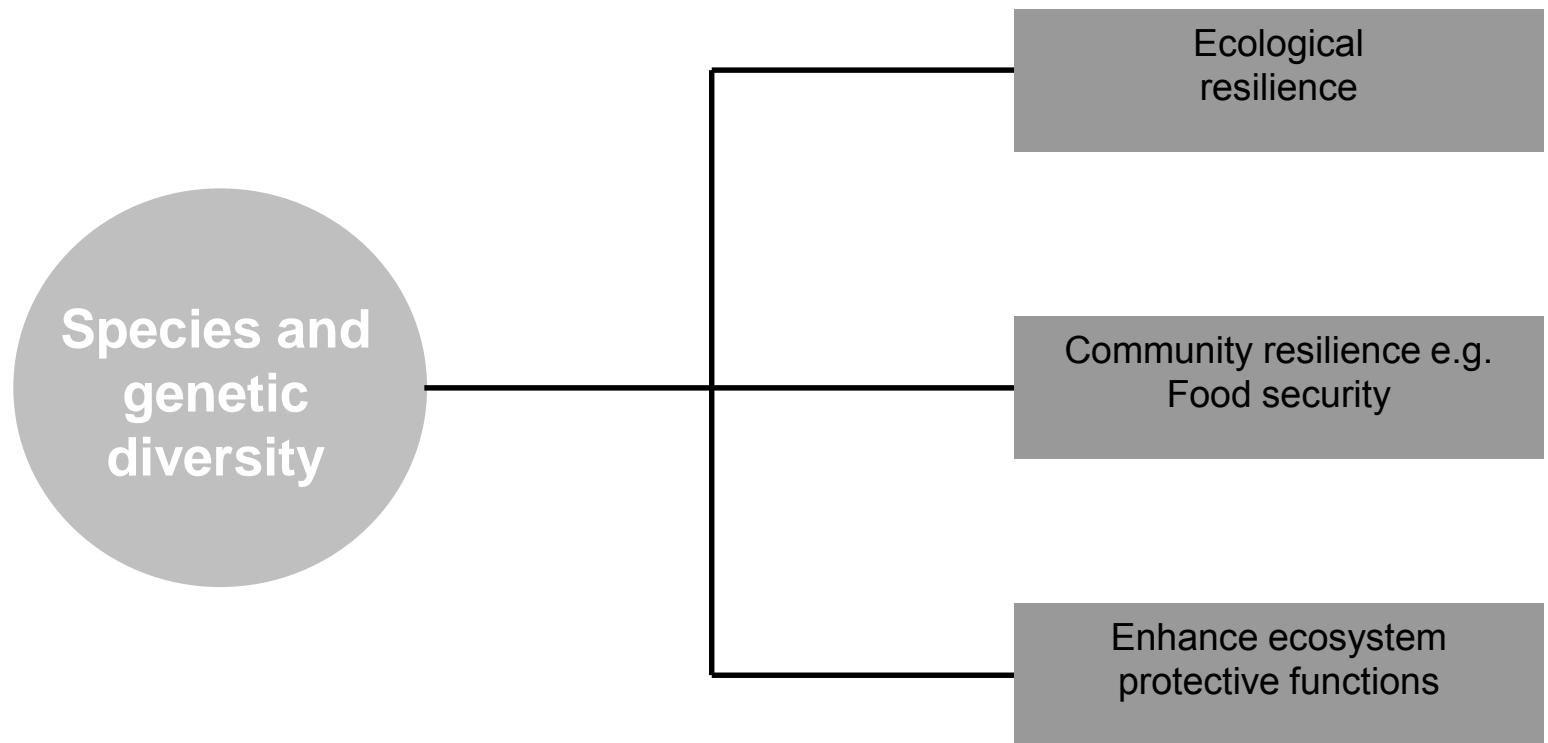
Japan Biodiversity Fund



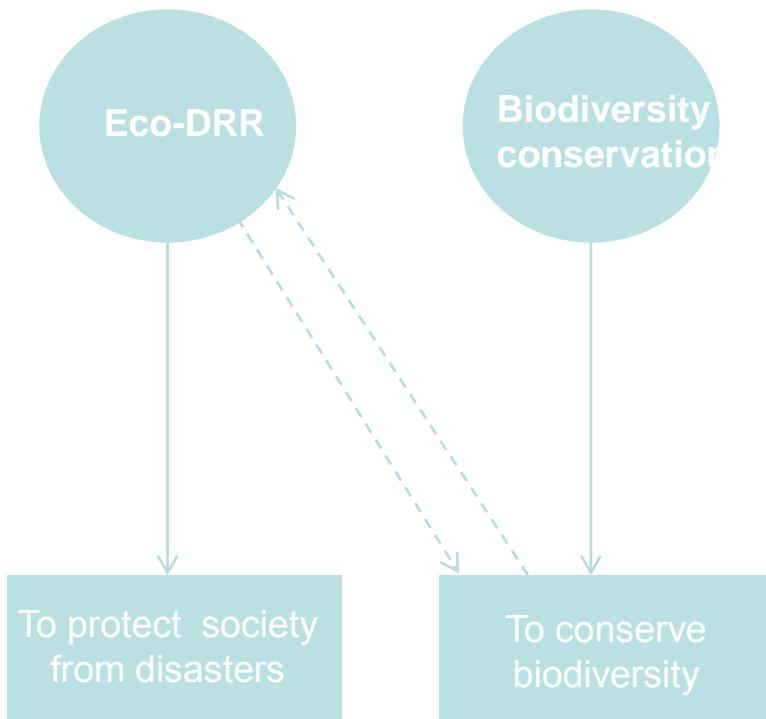
Convention on  
Biological Diversity



# Potential role of species and genetic diversity in disaster risk reduction



# Why synergize biodiversity conservation and disaster risk reduction?



- There is increase in policy contexts facilitating integration
- Degraded ecosystems not only support less biodiversity but are also more vulnerable to natural hazards
- Biodiversity provide protection from hazards
- Eco-DRR provide incentives for conservation
- Co-benefits between the two can be enhanced if knowledge and lessons from both field are combined

# RELIEFKIT

リージョナル／グローバルワークショップ

・中米・カリブ

・オセアニア・グローバル

・アフリカ

・アジア



# 生物多樣性條約 COP13 (2016)



- XIII/4 Biodiversity and Climate Change
  - *Recognizes* that ecosystem-based approaches can be technically feasible, politically desirable, socially acceptable, economically viable and beneficial ...
  - *Encourages* Parties, other Governments and relevant organizations to integrate ecosystem-based approaches to climate change adaptation and mitigation, and disaster risk reduction, into their strategic planning across sectors;

# GLOBAL PLATFORM FOR DISASTER RISK REDUCTION

22-26 May 2017



FROM SENDAI TO CANCUN • FROM COMMITMENT TO ACTION

#MEXICO GP2017

# デザインによる復興



# ビルディング・ウイズ・ネイチャー・ソリューション





# HORIZON 2020

The EU Framework Programme for Research and Innovation

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Horizon 2020 Programme



## Towards an EU Research and Innovation policy agenda for Nature-Based Solutions & Re-Naturing Cities

Final Report of the Horizon 2020 Expert Group on 'Nature-Based Solutions and Re-Naturing Cities' (full version)

