



United Nations
Educational, Scientific and
Cultural Organization



Sustainable
Development
Goals

Relevance of DRR activities in UNESCO Biosphere reserves

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**Sustainable
Development
Goals**

Outline

1. Overview of UNESCO designated sites
2. MAB programme and BR
3. DRR in UNESCO
4. DRR in BR
5. Cooperation between DRR and BR



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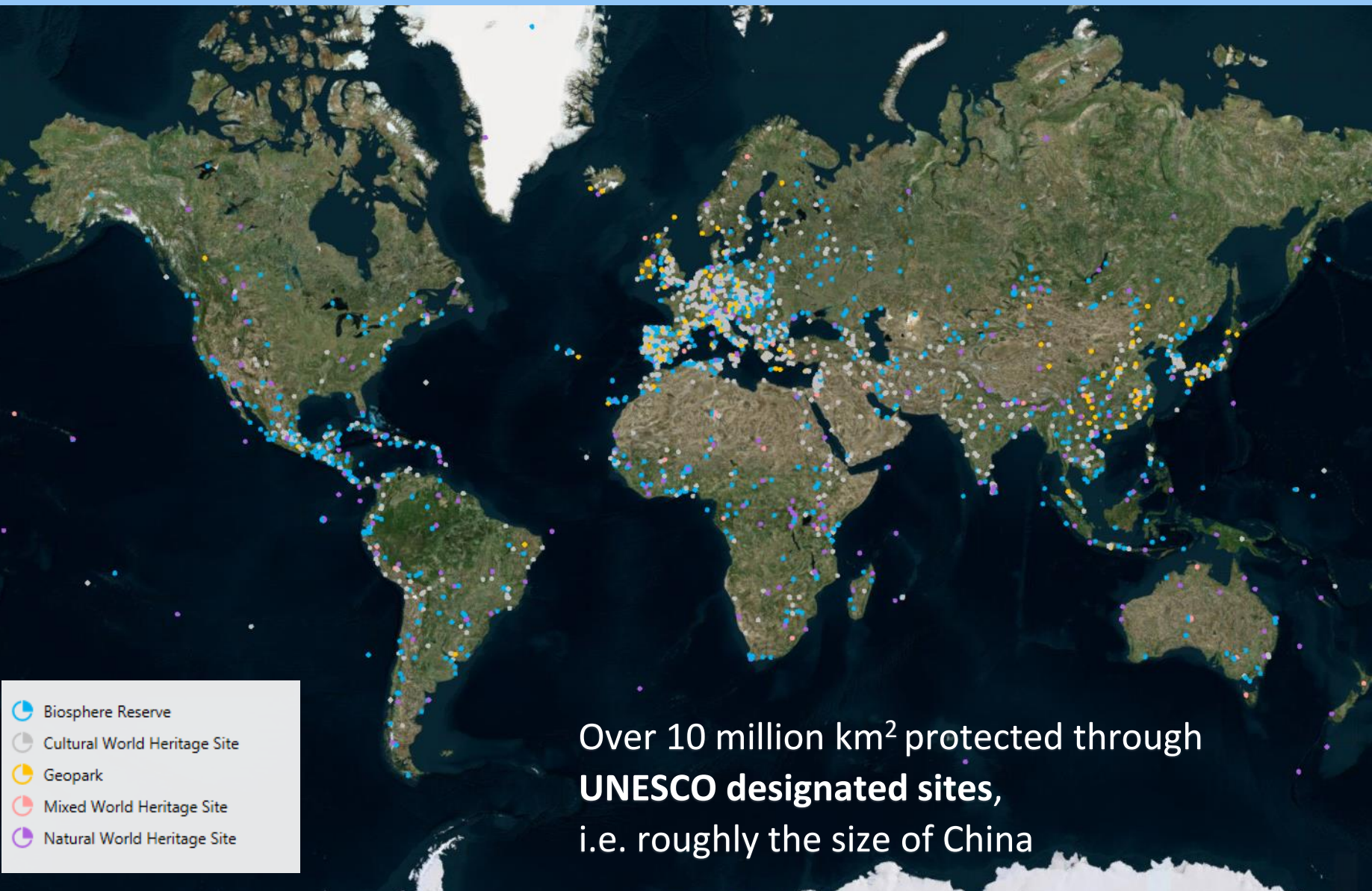


Sustainable
Development
Goals

UNESCO Network of designated sites



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Over 10 million km² protected through
UNESCO designated sites,
i.e. roughly the size of China

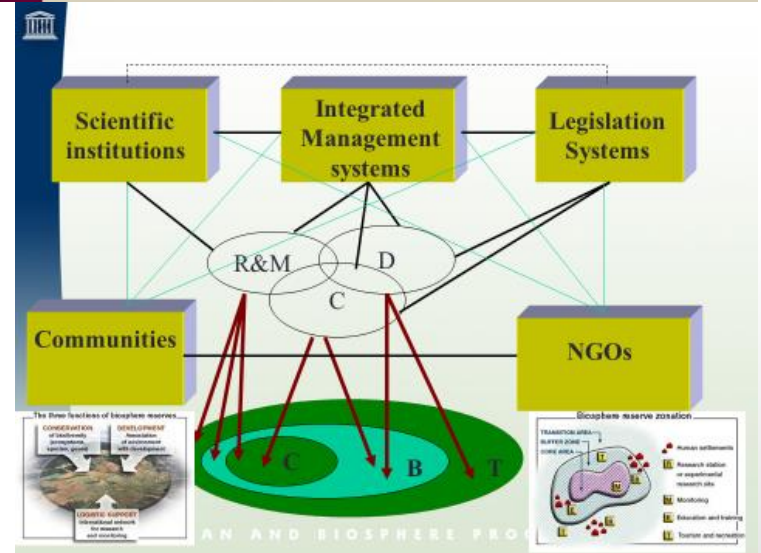
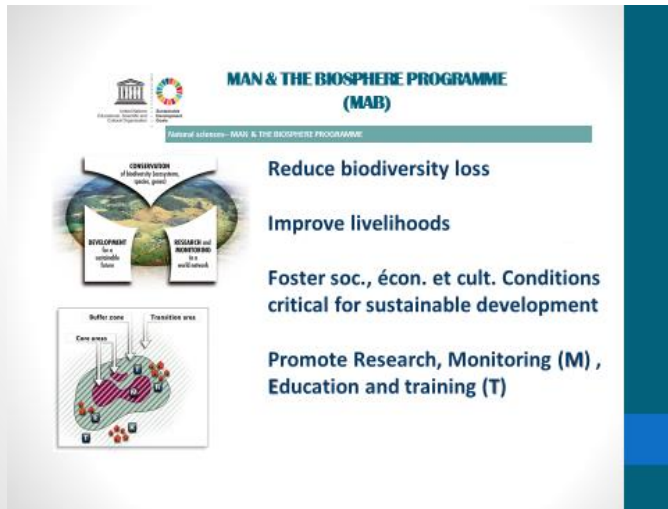
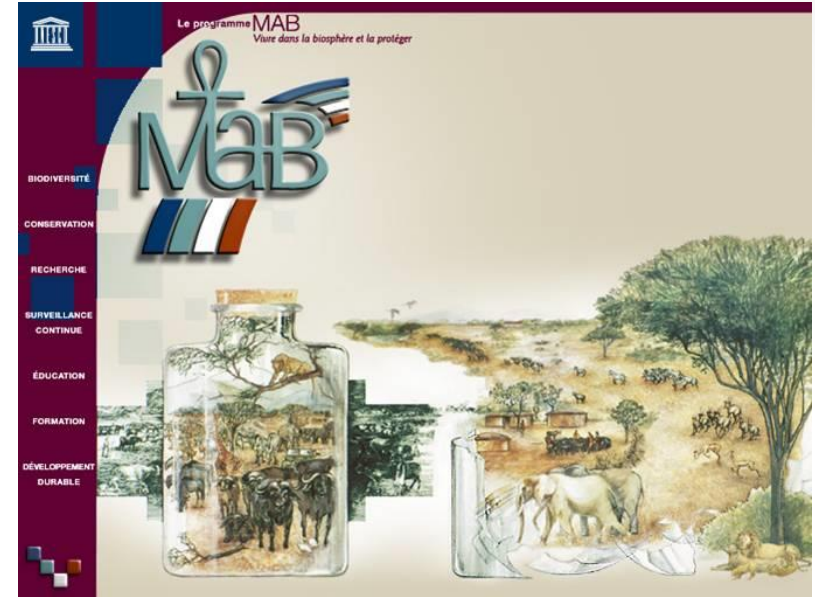


Organisation
des Nations Unies
pour l'éducation,
la science et la culture

Objectifs de
développement
durable

MAB programme : interaction between human-being and environment

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Sustainable
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Goals

UNESCO WNB

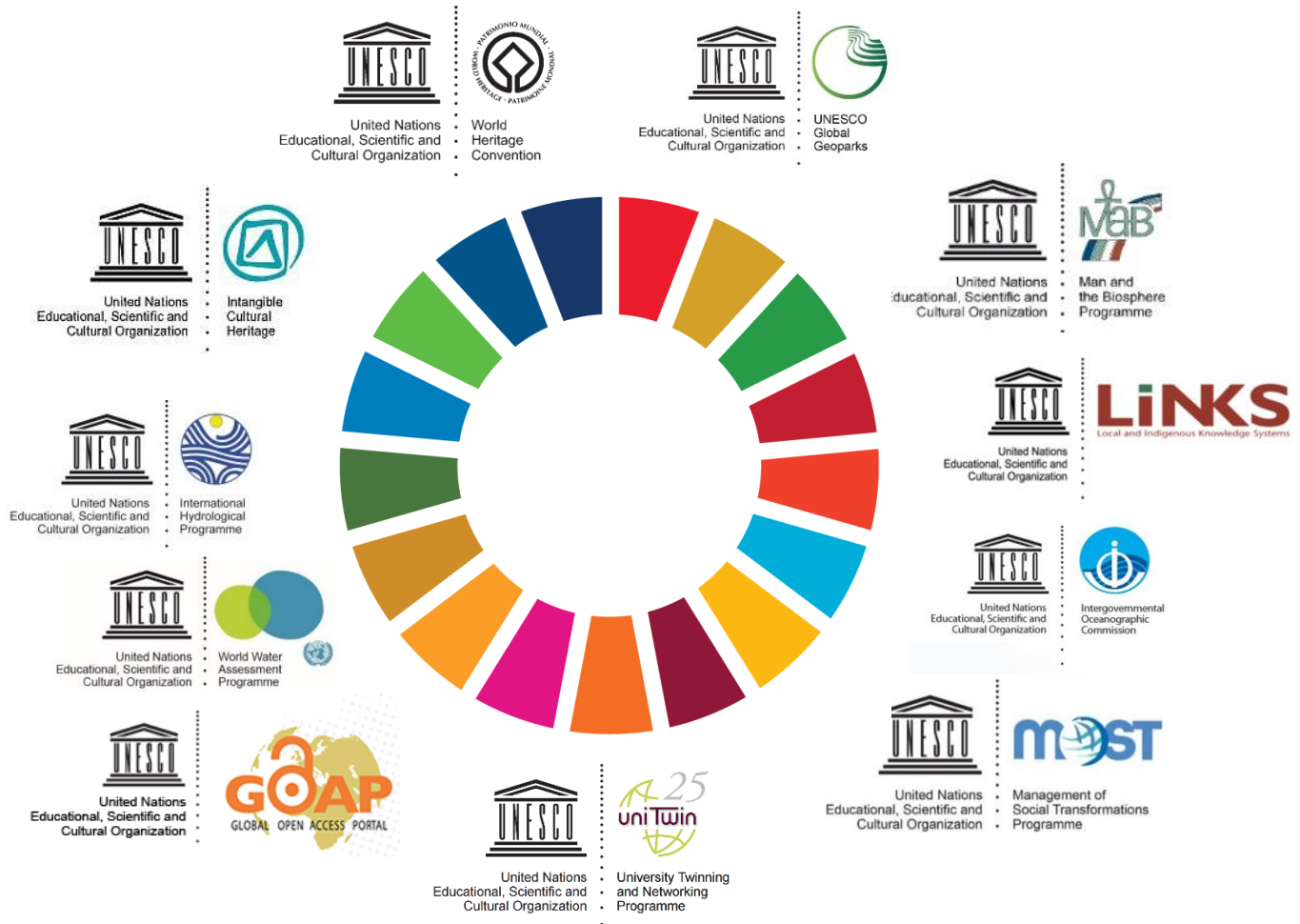
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UNESCO designated sites,
686 Biosphere Reserves in 122 countries, 20 TBR

Role of Disaster risk reduction group at UNESCO (EES/EGR)

Sendai Framework
for Disaster Risk Reduction
2015 - 2030





DRR Questionnaire baseline of activities

Carried out in
ENG, FR and SP

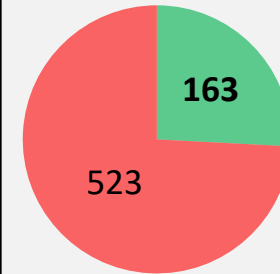
- **Exposure**
 - *BR Population*
 - *BR Infrastructure*
- **Risk Management**
 - *BR Risk Assessment*
 - *Prevention and Mitigation in BRs*
- **Awareness Raising**
 - *Educational Activities*
 - *Prevention and Mitigation **Awareness Raising***
 - ***Cooperation** with other BRs / UNESCO Sites*
 - ***Good Practices** to share*
 - ***Interest** in Training or Workshop*

<https://www.soscisurvey.de/naturlhazardsunescosites/>

Biosphere Reserves where natural hazards are being considered an important issue

84 %

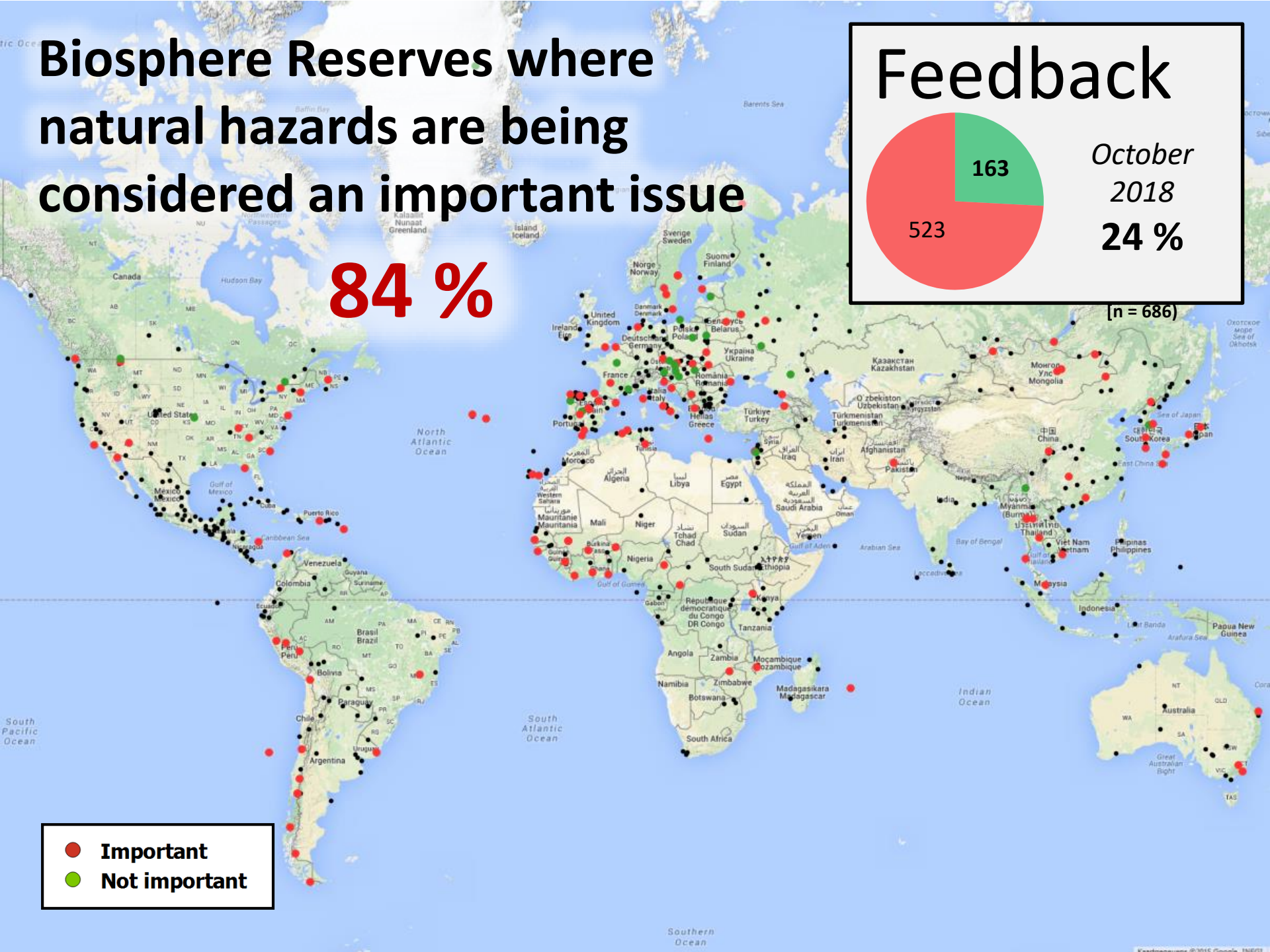
Feedback



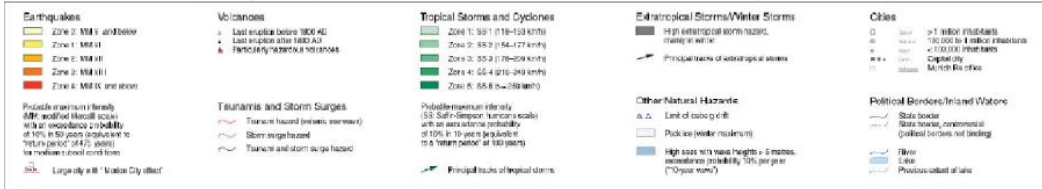
October
2018
24 %

[n = 686]

- Important
- Not important

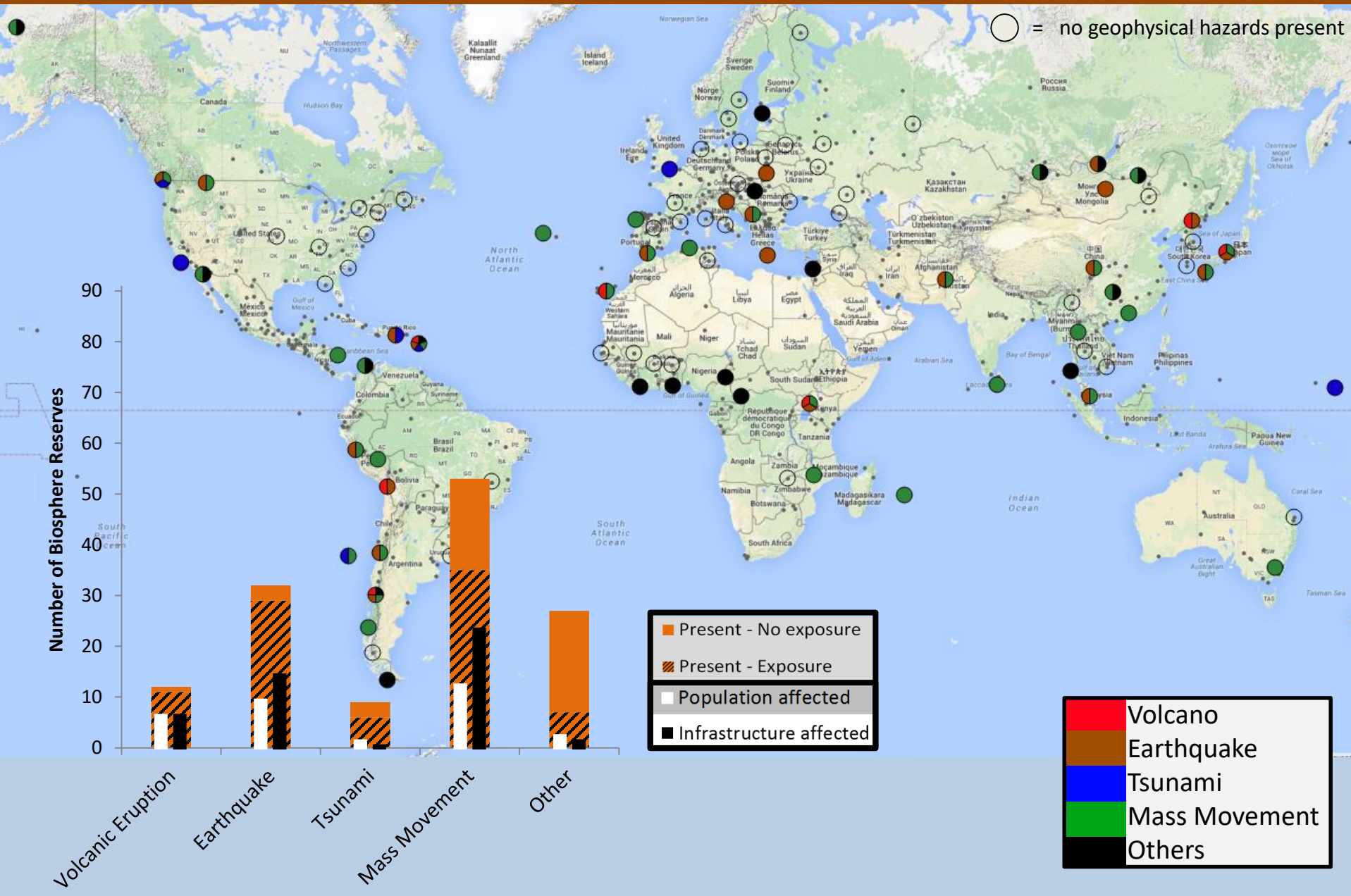


McGraw-Hill
Higher Education

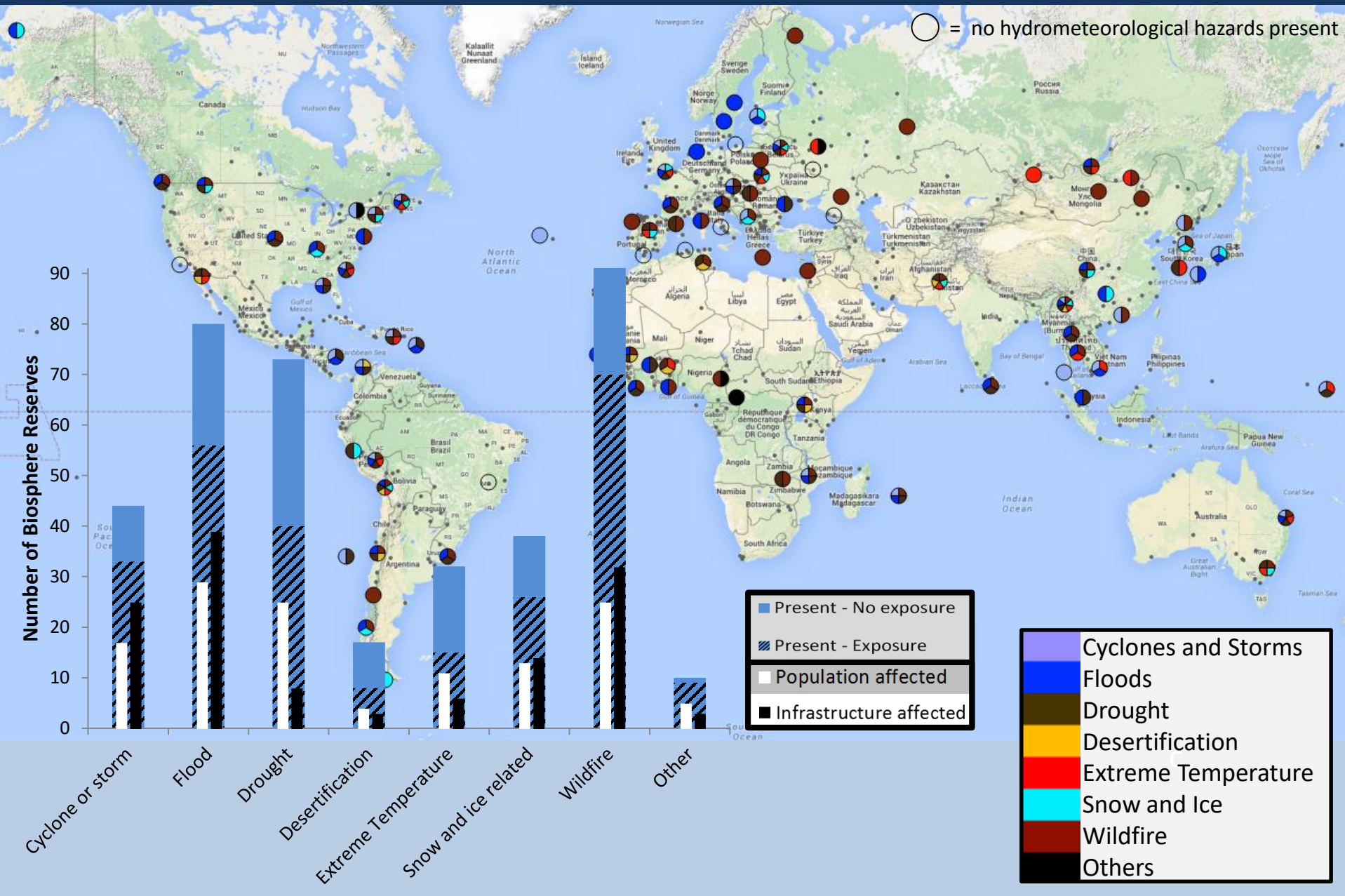


Geophysical Hazards

Presence of Hazard

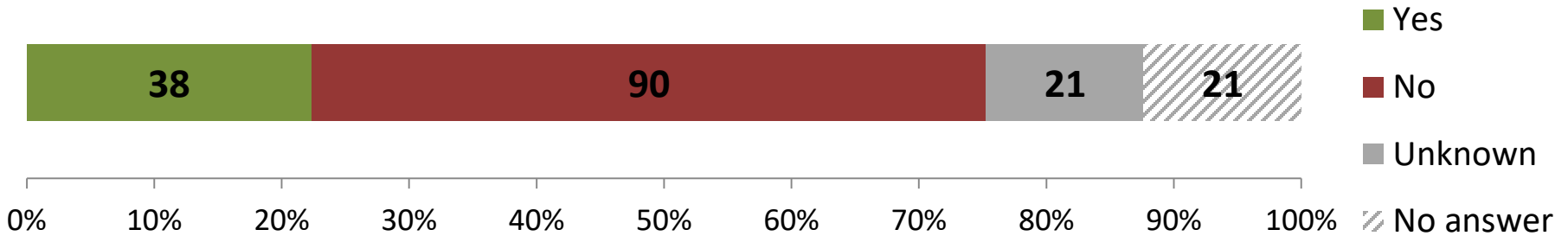


Hydrometeorological Hazards



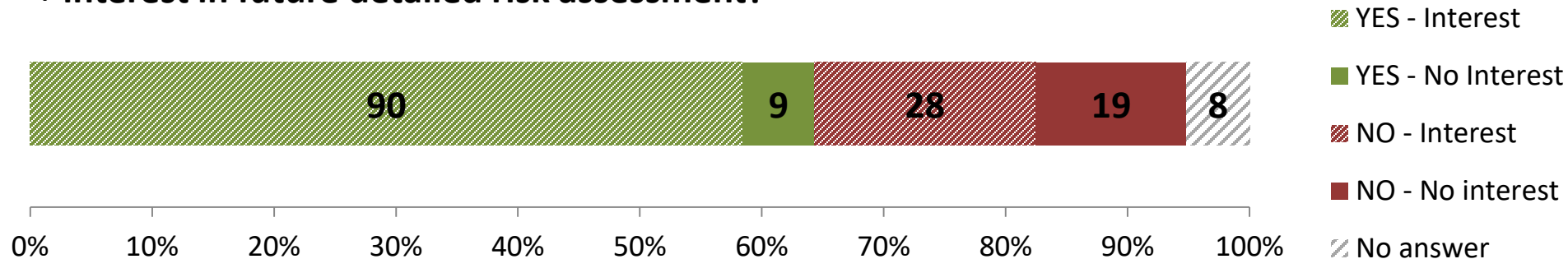
Risk Management

Risk Assessment has been carried out in the Biosphere Reserve

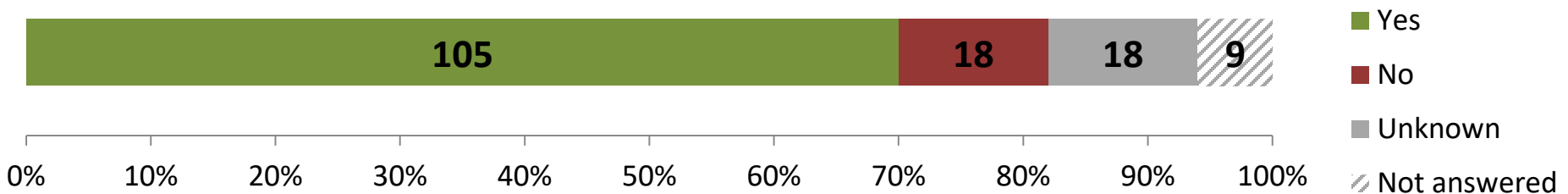


Prevention and Mitigation are integrated in Management Plan

+ interest in future detailed risk assessment?

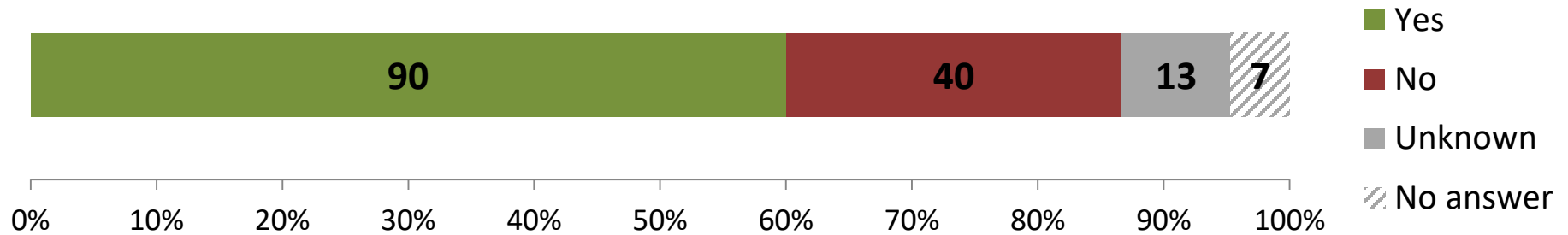


Biosphere Reserves interested in **being trained** on natural hazards



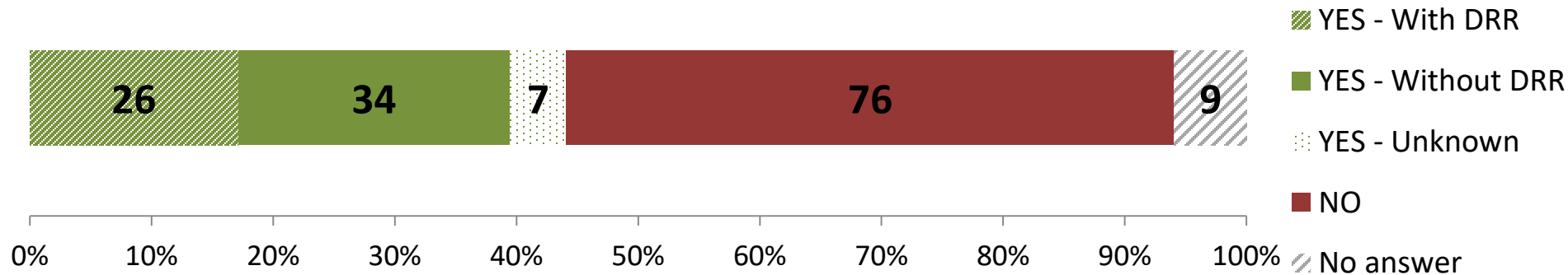
Risk Management

DRR Education and Awareness Raising Activities in the Biosphere Reserve



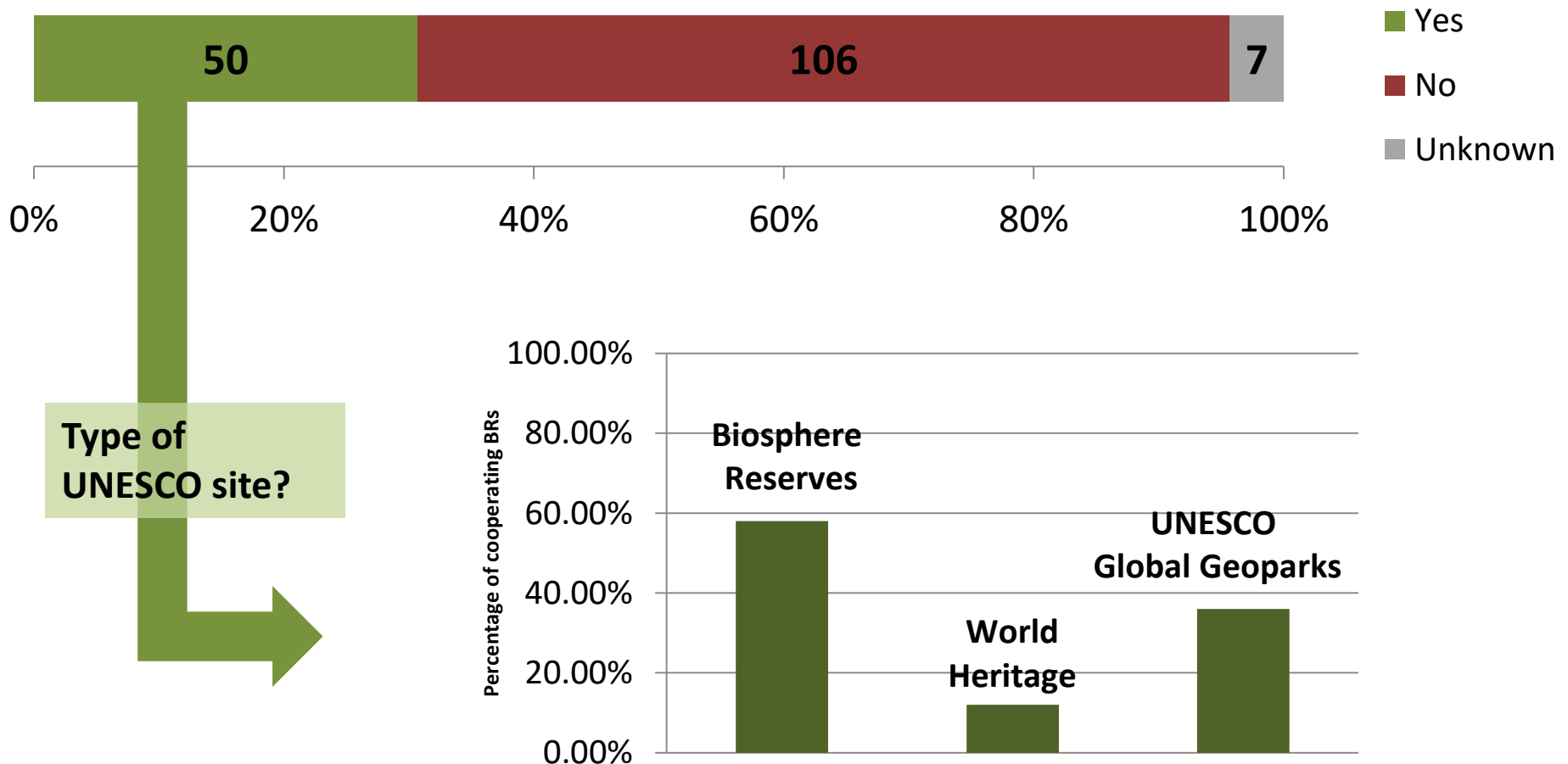
Research about Ecosystem Services has been carried out in the past

+ including Ecosystem Services for DRR?



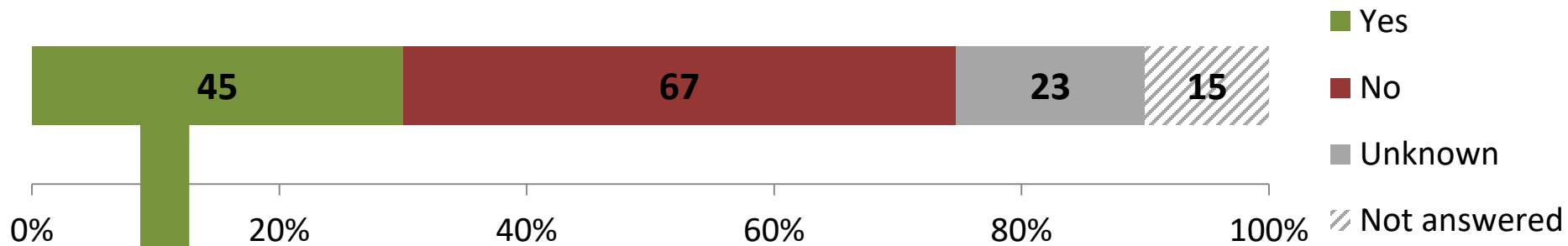
Cooperation and sharing of Good Practices

- Biosphere reserves that cooperate with other UNESCO-designated sites

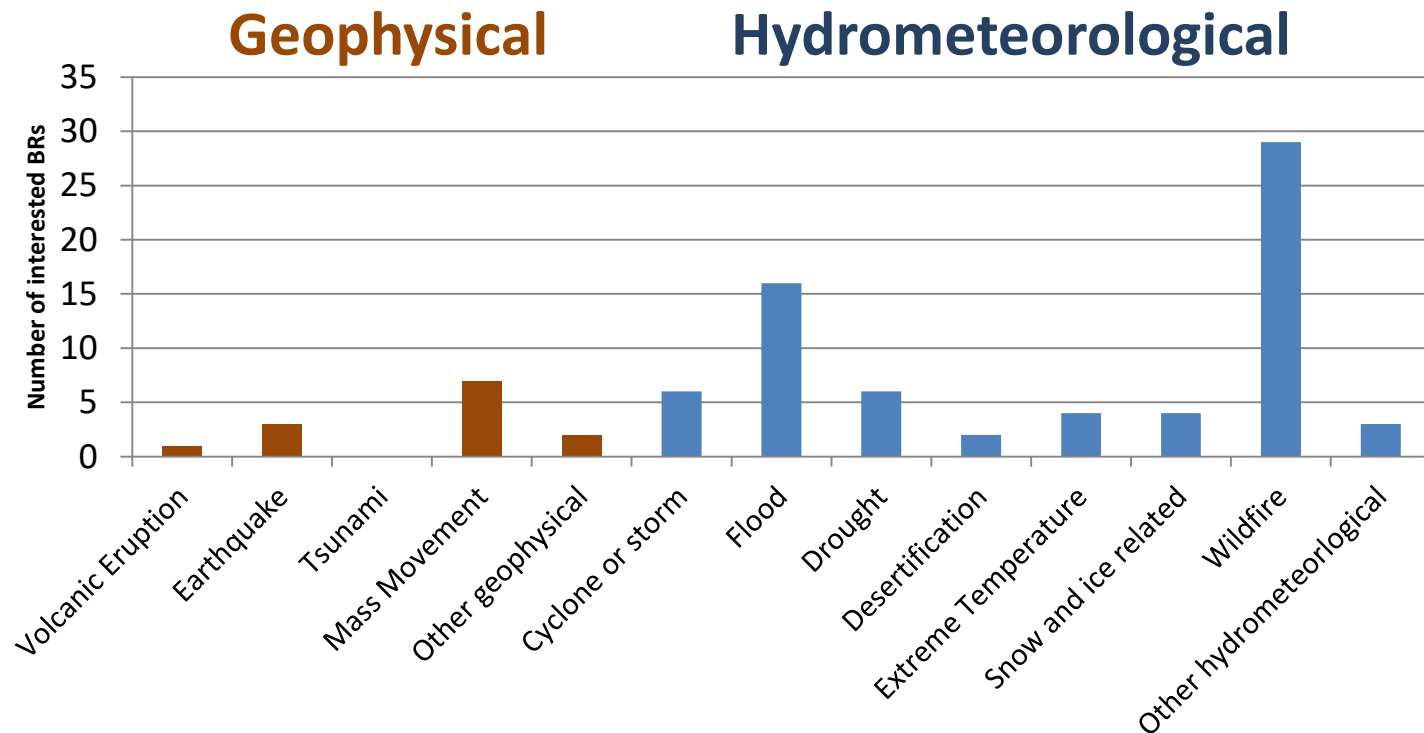


Cooperation and sharing of Good Practices

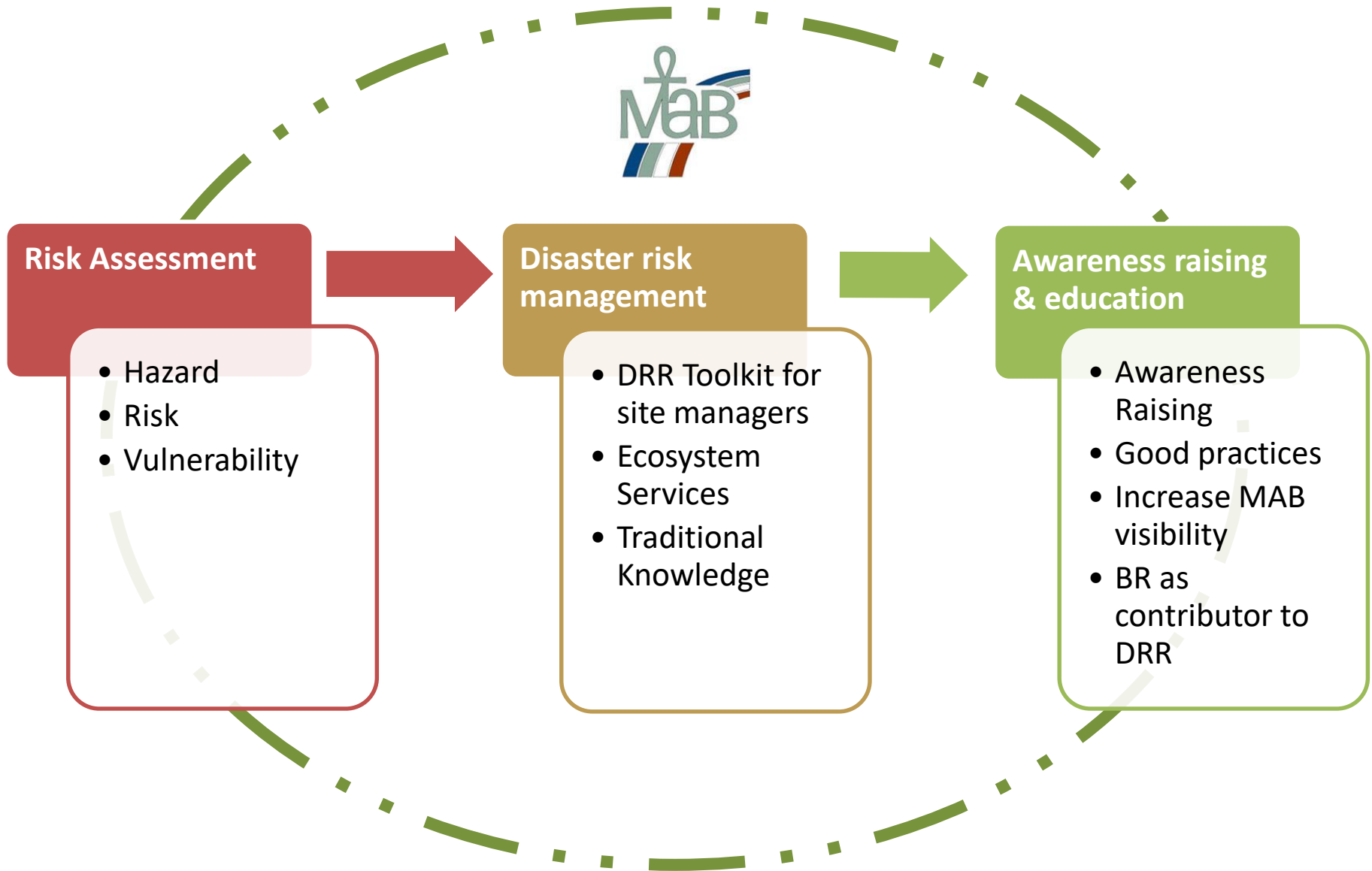
- Biosphere Reserves interested in sharing good practices



For which type of hazard?



DRR at MaB sites



Cooperation on DRR & BIOSPHERE RESERVES



Increasing consideration of safeguarding biodiversity and ecosystems in the national DRR strategies



Undertaking a global assessment of BRs' needs and gaps in DRR



Assessing risks in UNESCO BR, Disaster Risk Management and awareness raising and improving local strategies for better preparedness – Nomination stage



Disseminating good practices and improvements in risk assessment and disaster risk management through BRs in each region



- <http://www.unesco.org/new/en/natural-sciences/environment/ecological-sciences>