

Ecosystem Status and Trends Report for Canada

Status and Trends Component of 4th National Report to CBD

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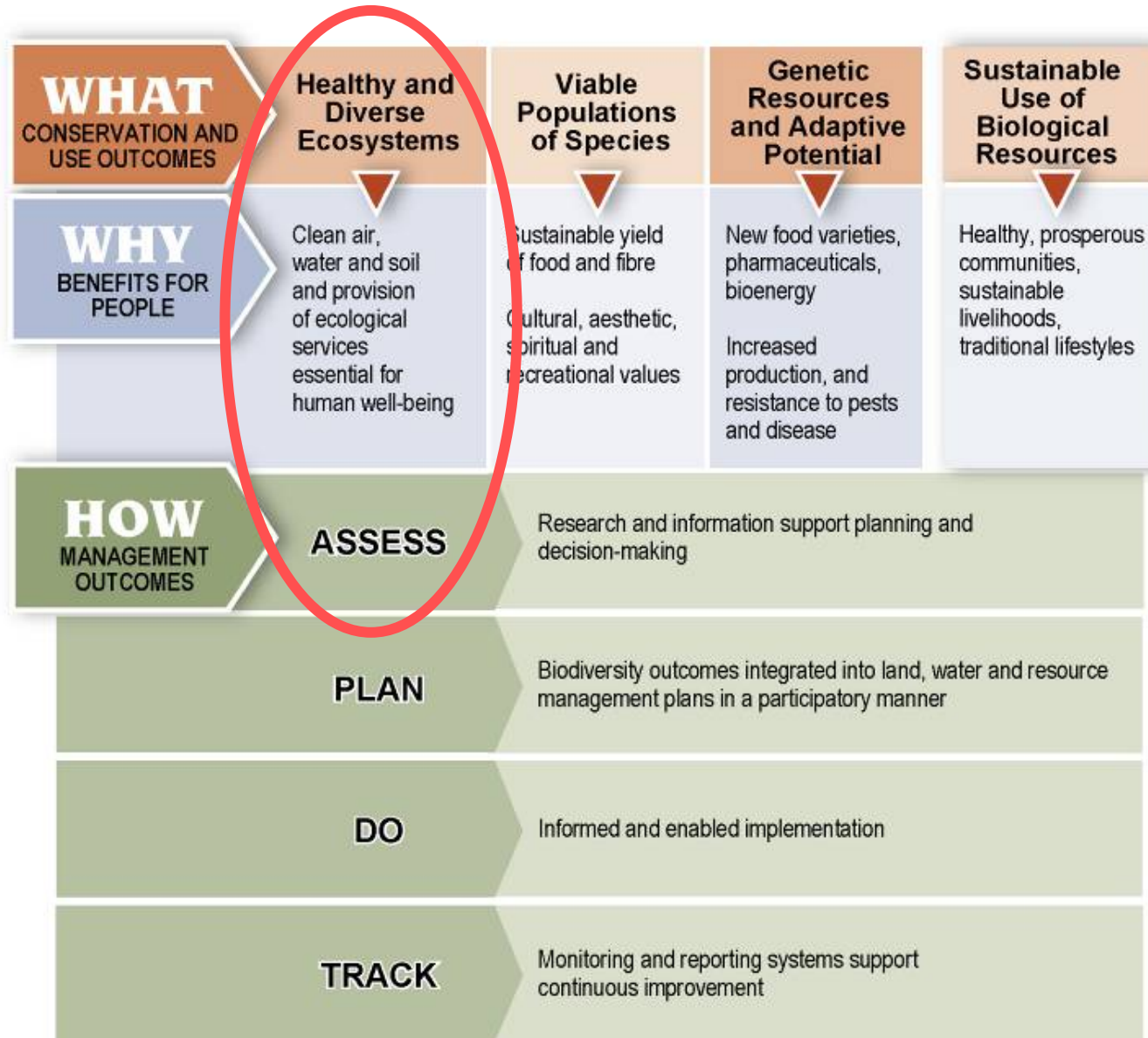
Environment Canada

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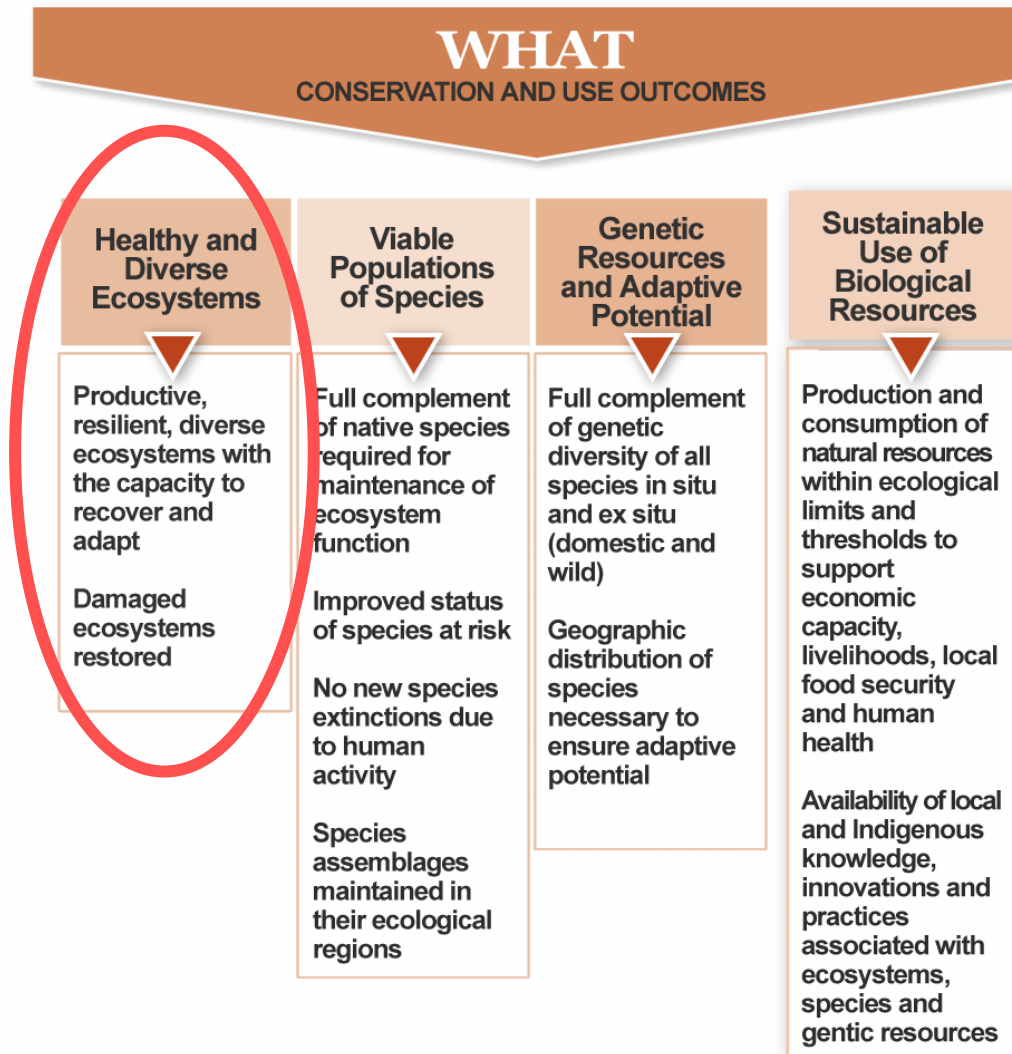
What is the purpose of Canada's Ecosystem Status and Trends Report (ESTR)?

- ⇒ To provide science-based information on the status and trends of Canada's ecosystems for a domestic audience
- ⇒ To provide ecosystem based information as a foundation for prioritizing the national biodiversity agenda
- ⇒ To provide a vehicle for dialogue with society on the importance of healthy ecosystems
- ⇒ To provide information for the status and trends section of the 4th National Report to the CBD

Biodiversity Outcomes Framework



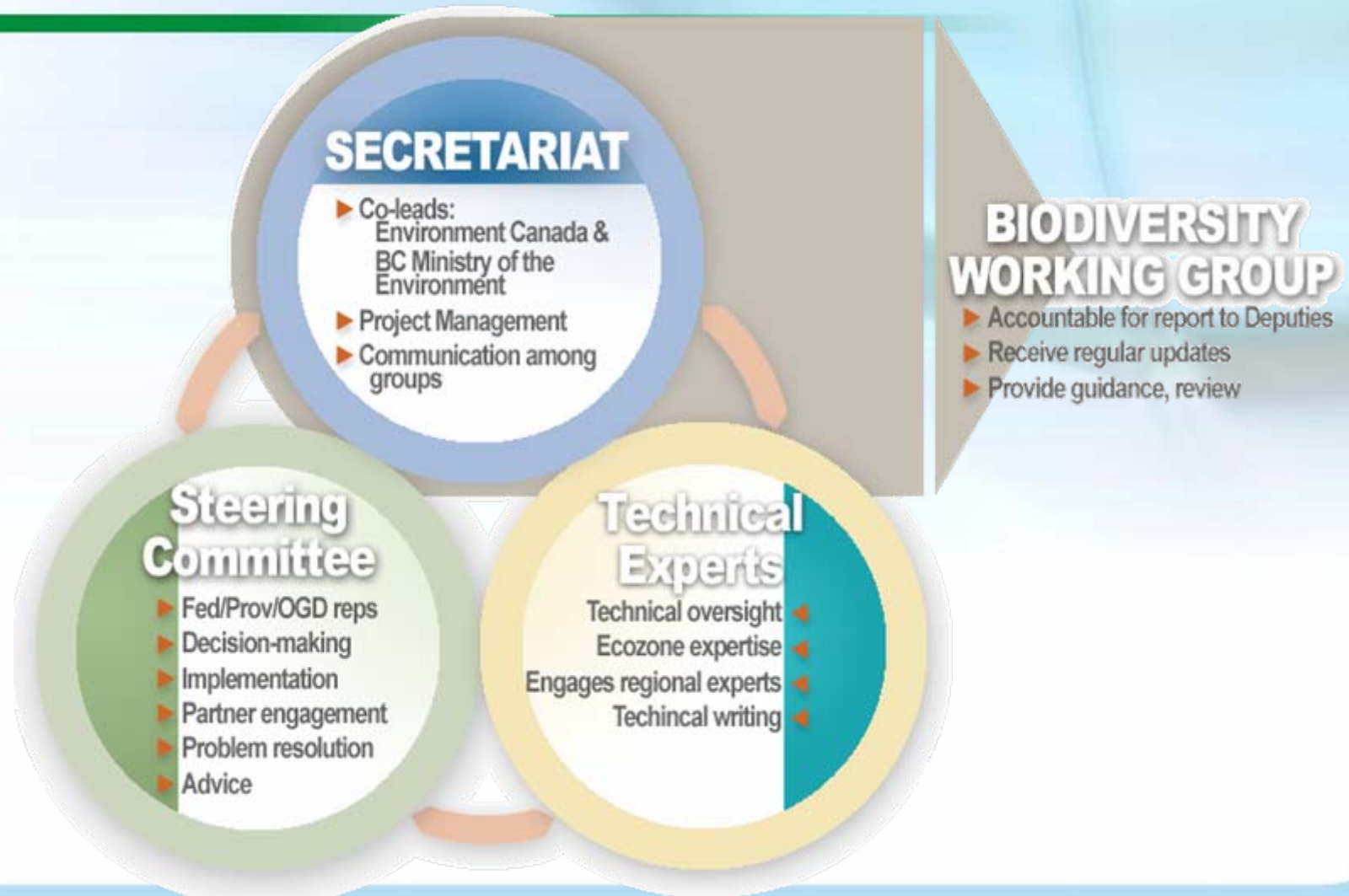
Biodiversity Outcomes Framework: Ecosystem Outcomes



Project Charter

- 1 Purpose
- 2 Deliverables
Completion Sept. 2009
- 3 Scope
What's In. What's Out.
- 4 Critical Success Factors
Risk Management
- 5 Project Governance
- 6 Interdependencies with other Initiatives/Projects
- 7 Resources
- 8 Project Team

Governance Structure for ESTR

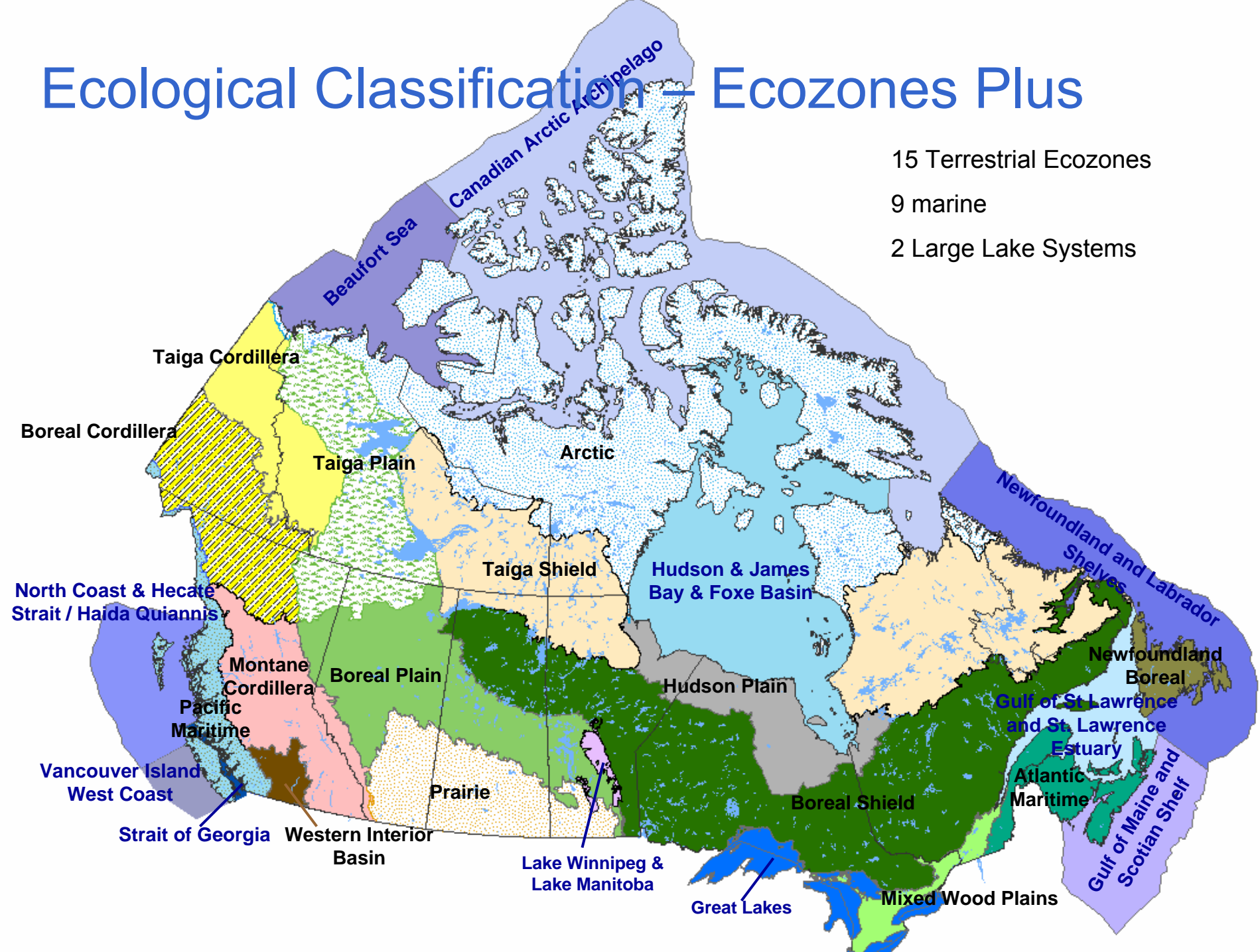


Ecological Classification – Ecozones Plus

15 Terrestrial Ecozones

9 marine

2 Large Lake Systems



Report Outline

1 Introduction

Context, Scope, Purpose, Links to other reports

2 Concepts and Principles

Definitions, Ecosystem values, Ecosystem approach, Sustainable Use

3 Overview of Canada's Ecosystems

Historical changes, goods & services in national context

4 Ecozone Status & Trends Assessment

- One subchapter per ecozone (15 terrestrial; 9 marine; 2 separate freshwater)
- History of changes
- Description of Ecosystem Condition
- Indicators: *Drivers, Composition (biomes such as grasslands, wetlands, forests by type, agricultural lands, urban areas etc.), Structure, Function, Ecosystem Goods and Services, Human Influences*
- Integration

5 Recurring Issues & Trends

- National Trends – *Physiognomic Units (Biomes); EGS, Human Influences*
- Global Context – *International comparisons, unique stewardship responsibilities*
- Recommendations: *Monitoring & Information gaps and priorities*

Example of an Integrated Analysis Table for the Public Report

Summary table for each ecozone will be similar to this example.

Source: Millennium Ecosystem Assessment:
Ecosystems and Human Well-Being, Biodiversity Synthesis. 2005

		Habitat change	Climate change	Invasive species	Over-exploitation	Pollution (N,P)
Forest	Boreal					
	Temperate					
	Tropical					
Dryland	Temperate					
	Mediterranean					
	Tropical					
	Desert					
Inland water						
Coastal						
Marine						
Island						
Mountain						
Polar						

Arrow = current trend

Colour density = biodiversity impact over last century