

UN
environment



WCMC

**United Nations Environment
World Conservation Monitoring Centre**

PROTEUS *GLOBAL BIODIVERSITY AGENDA* WEBINAR SERIES

Ongoing developments around natural capital

- **Natural capital – trends and new developments** (James Vause, Lead Economist UN Environment World Conservation Monitoring Centre)
- **Natural capital assessments and the private sector** (Hannah Pitts, Relationships Director, Natural Capital Coalition)
- **Integrating biodiversity into natural capital assessments** (Gemma Cranston, Director, Natural Resource Security, University of Cambridge Institute for Sustainability Leadership)
- **Discussion**





NATURAL CAPITAL: 2017 THE YEAR OF IMPLEMENTATION?

James Vause, Lead Economist

What's the plan?

- **What is natural capital**
- **The evolution of natural capital and thinking and recent initiatives**
- **Tools and guidance emerging**
- **Where is it taking us**
- **Perspectives from recent meetings**



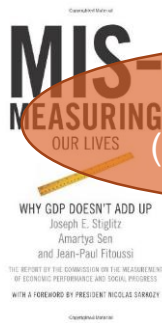
What is natural capital?

Natural capital includes:

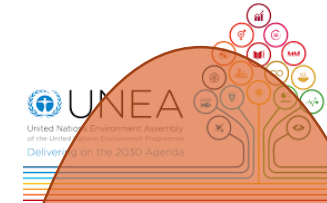
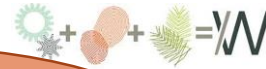
- Species
- Ecological communities
- Soils
- Freshwaters
- Land
- Minerals
- Atmosphere
- Subsoil assets
- Oceans
- Natural processes & functions



A work area gaining momentum



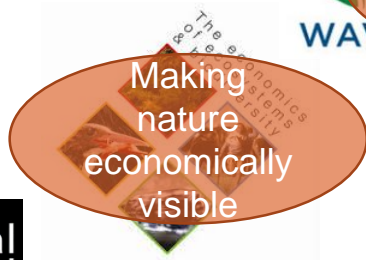
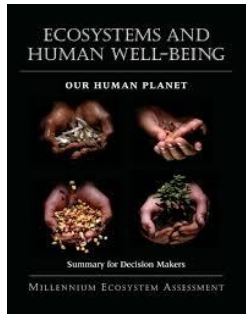
Beyond GDP
(Wealth not income)



Language mainstreamed



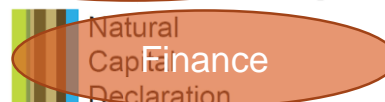
Delivering in practice



Countries



Business



2005

Today



Where is this taking us?

Decision making that reflects the role of the biosphere in delivering our social and economic objectives

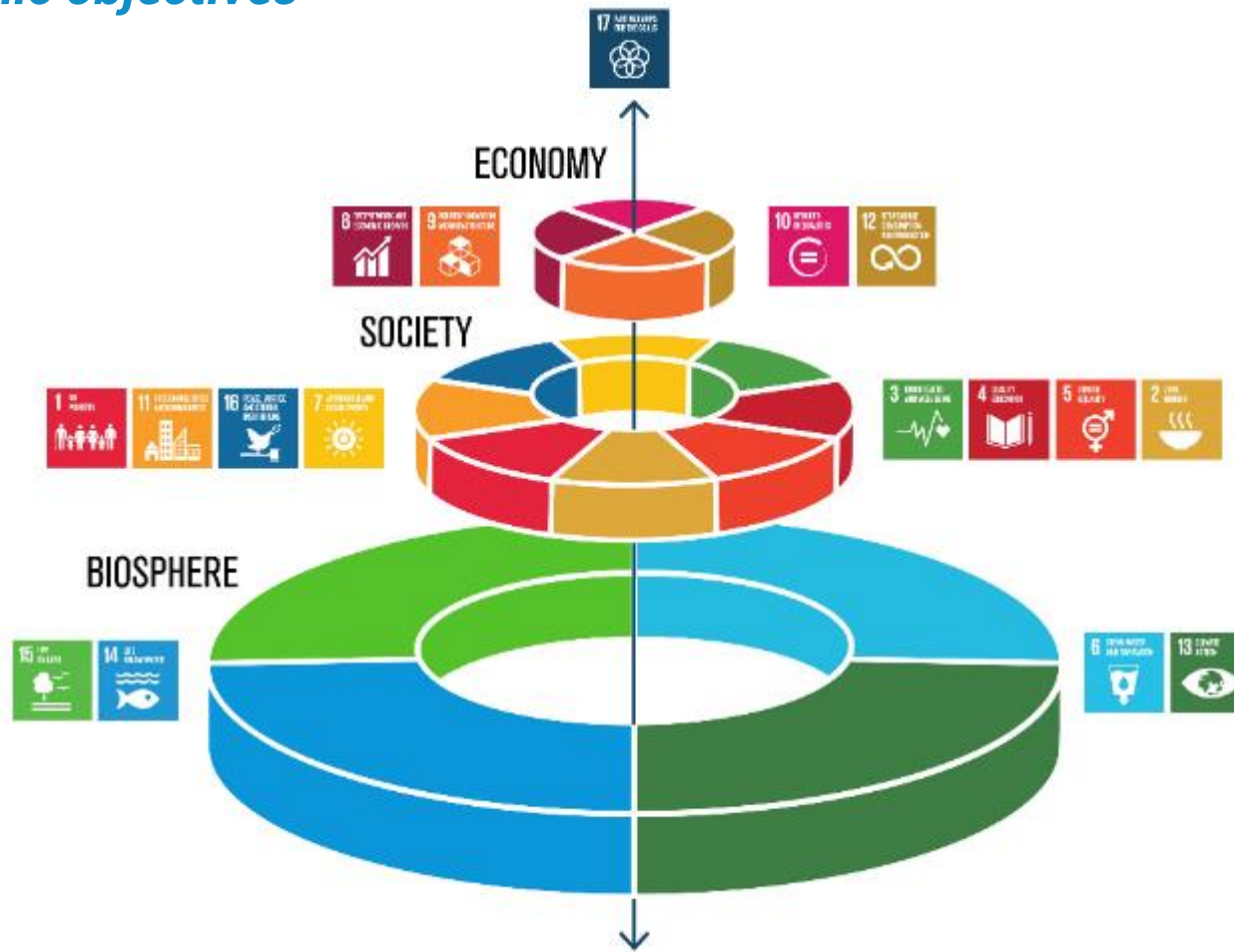
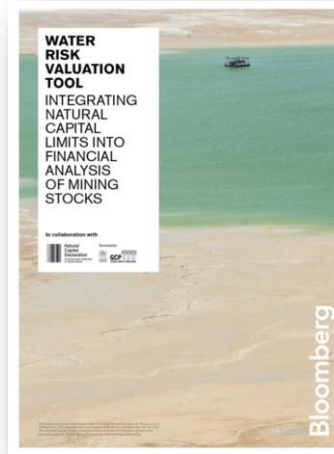


Image by [shutterstock.com](https://www.shutterstock.com)

Tools and guidance



www.naturalcapitaltoolkit.org



FRAME Why?		SCOPE What?		MEASURE AND VALUE How?			APPLY What next?										
01	Get started	02	Define the objective	03	Scope the assessment	04	Determine the impacts and/or dependencies	05	Measure impact drivers and/or dependencies	06	Measure changes in the state of natural capital	07	Value impacts and/or dependencies	08	Interpret and test the results	09	Take action

58 Results sorting by Name

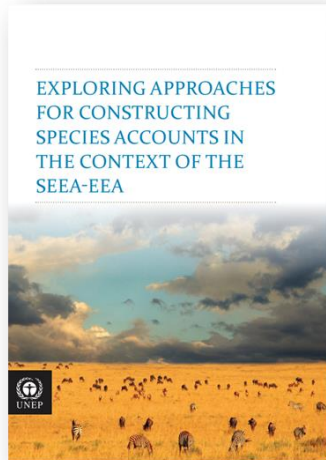
Refine your search

Impact drivers

- Disturbances e.g. decibels and duration of noise/light
- Fresh water ecosystem use e.g. wetlands, ponds, rivers
- GHG emissions
- Impact on biodiversity
- Marine ecosystem use e.g. area of aquaculture by type
- Non- GHG emissions
- Other resource use e.g. volume of minerals extracted, volume of wild fish caught by species
- Soil pollutants
- Solid waste
- Terrestrial ecosystem use e.g. area

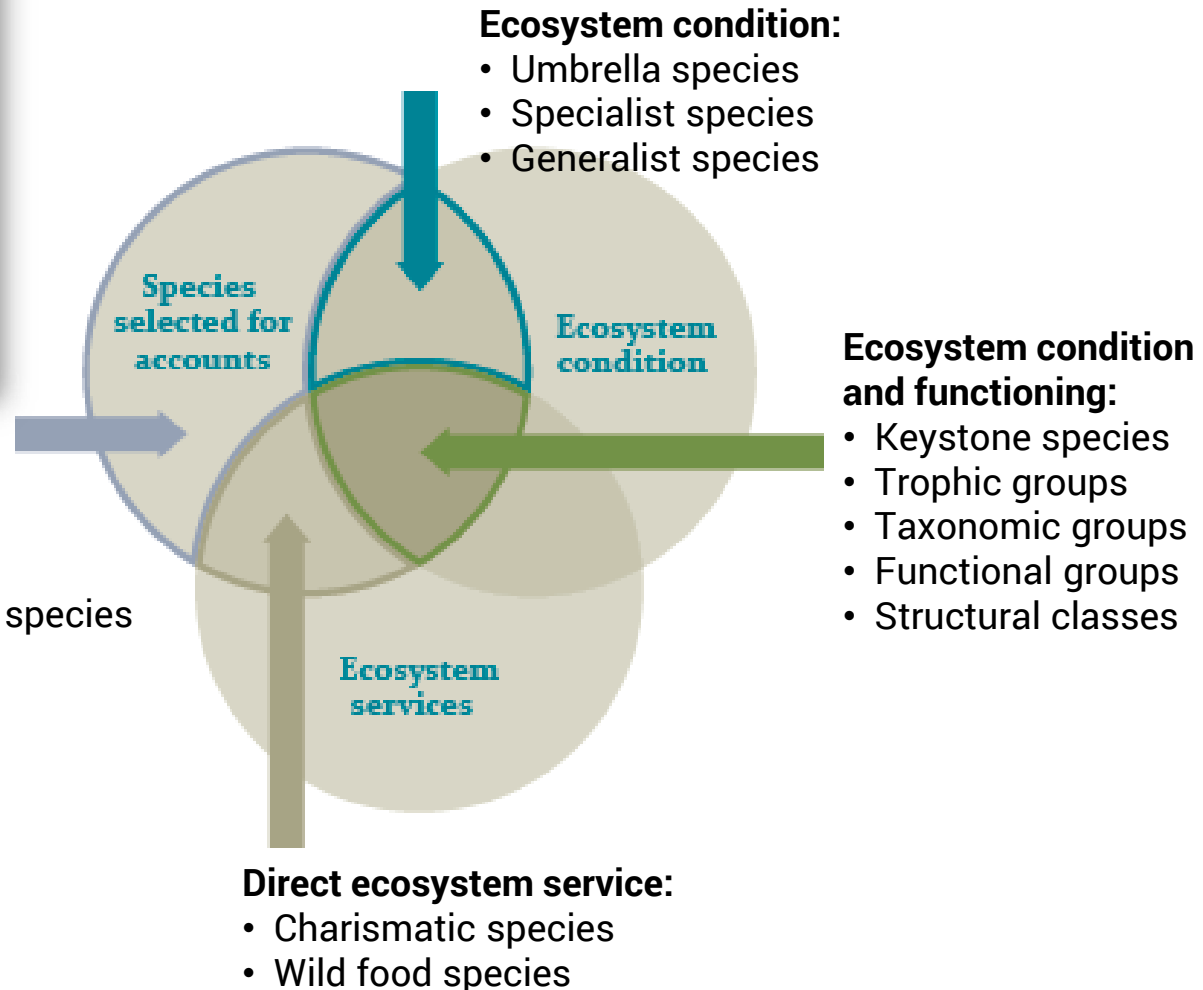
Tool name Developer(s)	Impact drivers	Dependencies
Aqueduct Water Risk Atlas World Resources Institute	1	1
Artificial Intelligence for Ecosystem Services (ARIES) Basque Centre for Climate Change	1 2 3 4 +2	1 2 3 4 +6
Biodiversity Footprint Tool Plansup, Wageningen Environmental Reserach, Netherlands Environmental Assessment Agency (PBL)	1 2 3 4 +2	1 2 3 4
Biodiversity Indicators for Monitoring Impacts and Conservation Actions BP, ChevronTexaco, Conservation International, Fauna & Flora International, IUCN, The Nature Conservancy, Shell, Smithsonian Institution, Statoil	1 2 3 4 5 +9	1 2 3 4 5 +7
Biodiversity Management Plan Guidance Cement Sustainability Initiative (CSI) within the WBCSD	1 2 3	
BioScope Developed by PRé Consultants, Arcadis & CODE. Commissioned by Platform BEE; a collaboration between IUCN NL and VNO-NCW, financed by the Dutch min	1 2 3 4 +3	

Natural capital accounting



Conservation:

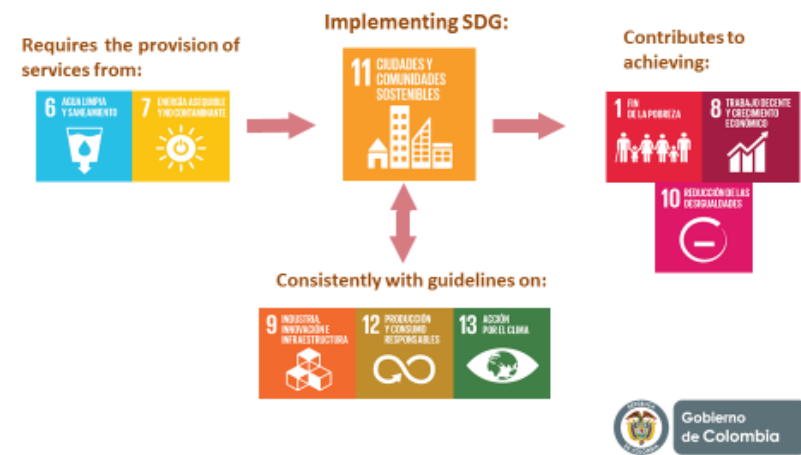
- Threatened species
- Endemic species
- Migratory species
- Evolutionary distinct species



Driving change

Integration of objectives

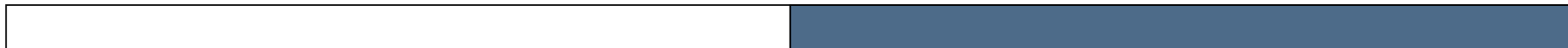
The SDGs represent an integrated approach towards development



Integration over scale



Recent events



World Forum on Natural Capital, Edinburgh November 2017



How can we bring natural capital activity together?

Hannah Pitts, Natural Capital Coalition



**NATURAL
CAPITAL
COALITION**

 [@NatCapCoalition](https://twitter.com/NatCapCoalition) #NatCapProtocol



The Coalition is a collaboration representing all parts of society. Representing c.270 organizations, all working on natural capital.



Purpose

To mainstream the inclusion of natural capital in decision making, harmonizing approaches and getting them to scale, quickly.

Our Vision

A world that conserves and enhances natural capital



Introducing the Protocol

There are many different approaches to natural capital and a lot of work has been carried out already. The Natural Capital Protocol standardizes this into a single global framework

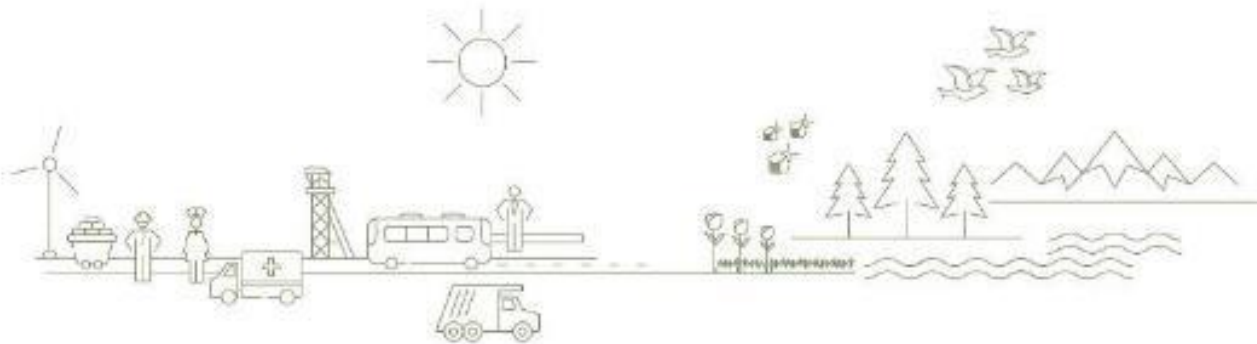




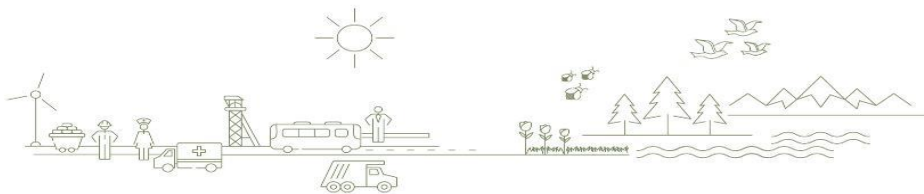
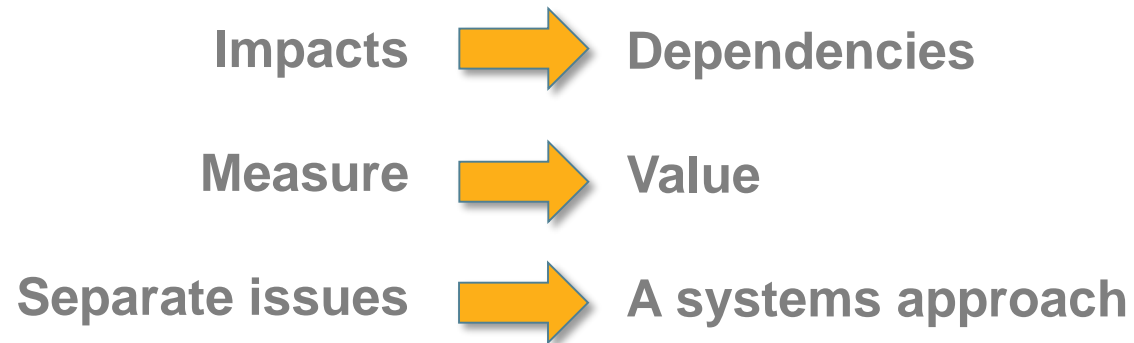
Introducing the Protocol



The **Natural Capital Protocol** is a **standardized framework** for **business** to **identify, measure and value** its direct and indirect **impacts and dependencies** on **natural capital**



What does natural capital thinking offer?





Sector Guides and Supplements



Sector Guides

Supplements

Apparel

Built Environment

Finance

Data

Food & Beverage

Forest products

...?

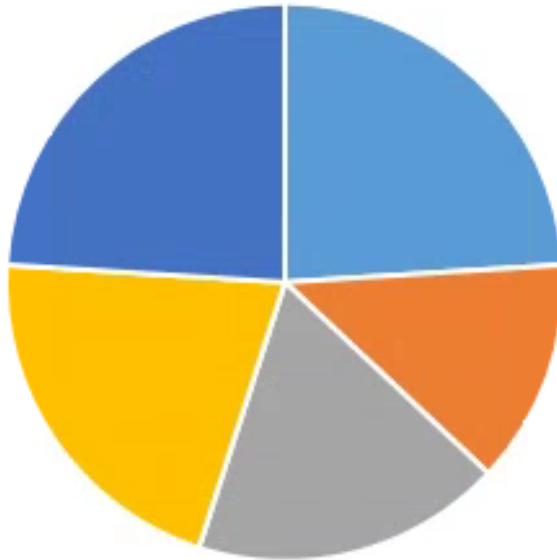
Oceans






Biodiversity

...?

The Coalition will develop new guides in partnership with sector initiatives and associations

Application of the Protocol



-  Assess risks and opportunity
-  Compare options
-  Assess impact on stakeholders
-  Estimate total value
-  Communicate internally or externally



Identifying business needs for dealing with biodiversity in natural capital assessments



Introduction

This project aims to **strengthen the representation of biodiversity in natural capital assessments**

The project is being carried in a collaboration between the

Natural Capital Coalition and the **Cambridge Conservation Initiative**

and is supported by the **European Commission**.

Our challenge

- Biodiversity is still seen as immaterial to many companies
- Biodiversity concerns tend not to be considered across business units
- Biodiversity is often missed in natural capital assessments
- Benefits from biodiversity are not fully captured
- Simple, practical advice is missing to support business in overcoming these challenges

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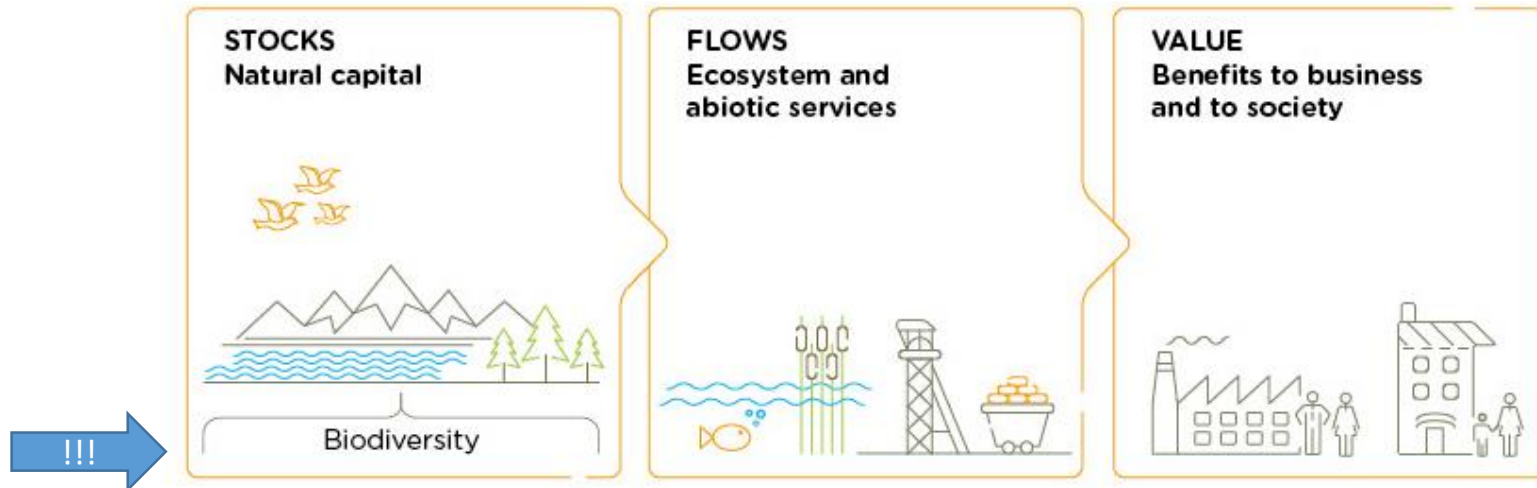
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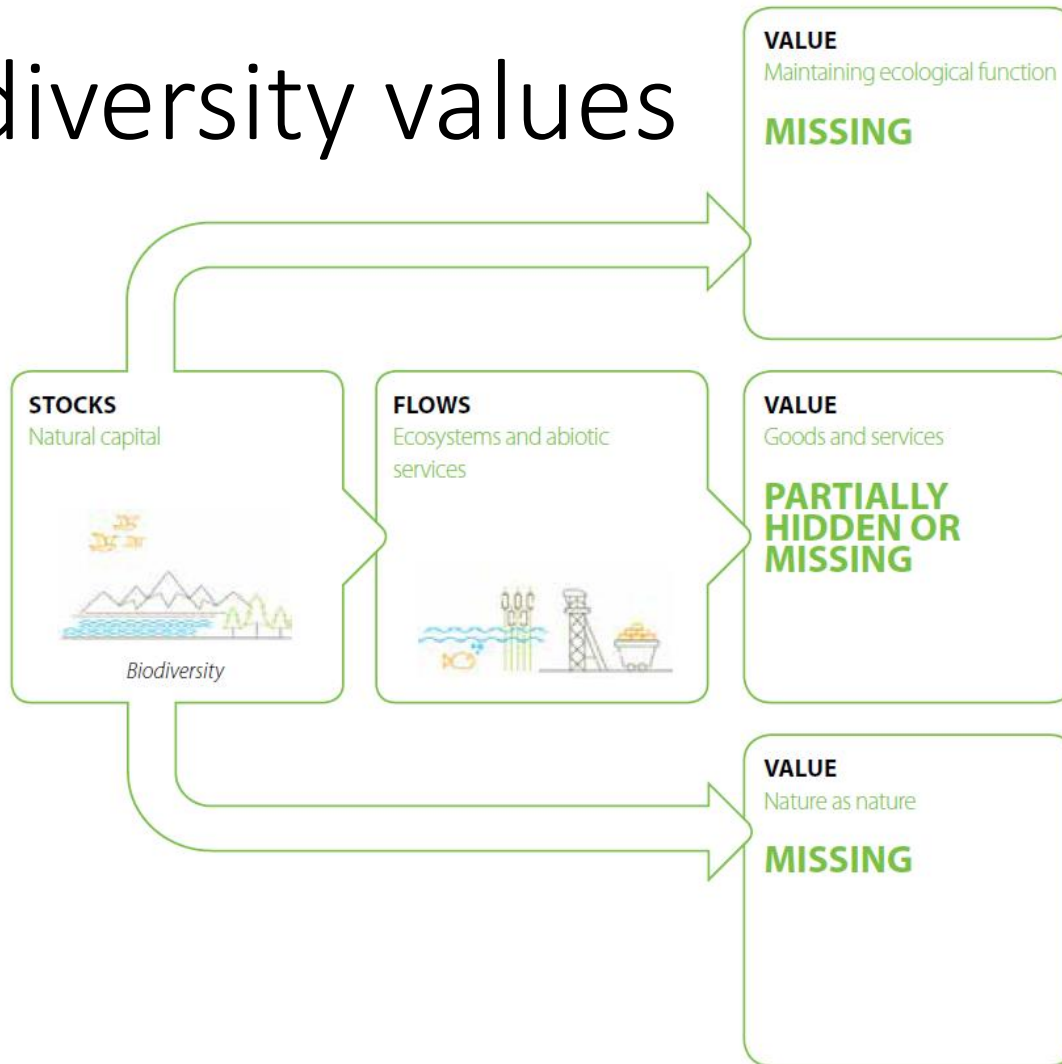
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Where does biodiversity 'fit' in natural capital approaches?



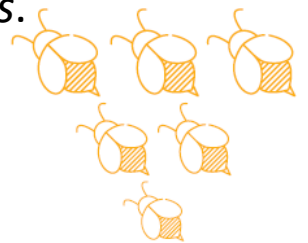
Biodiversity values



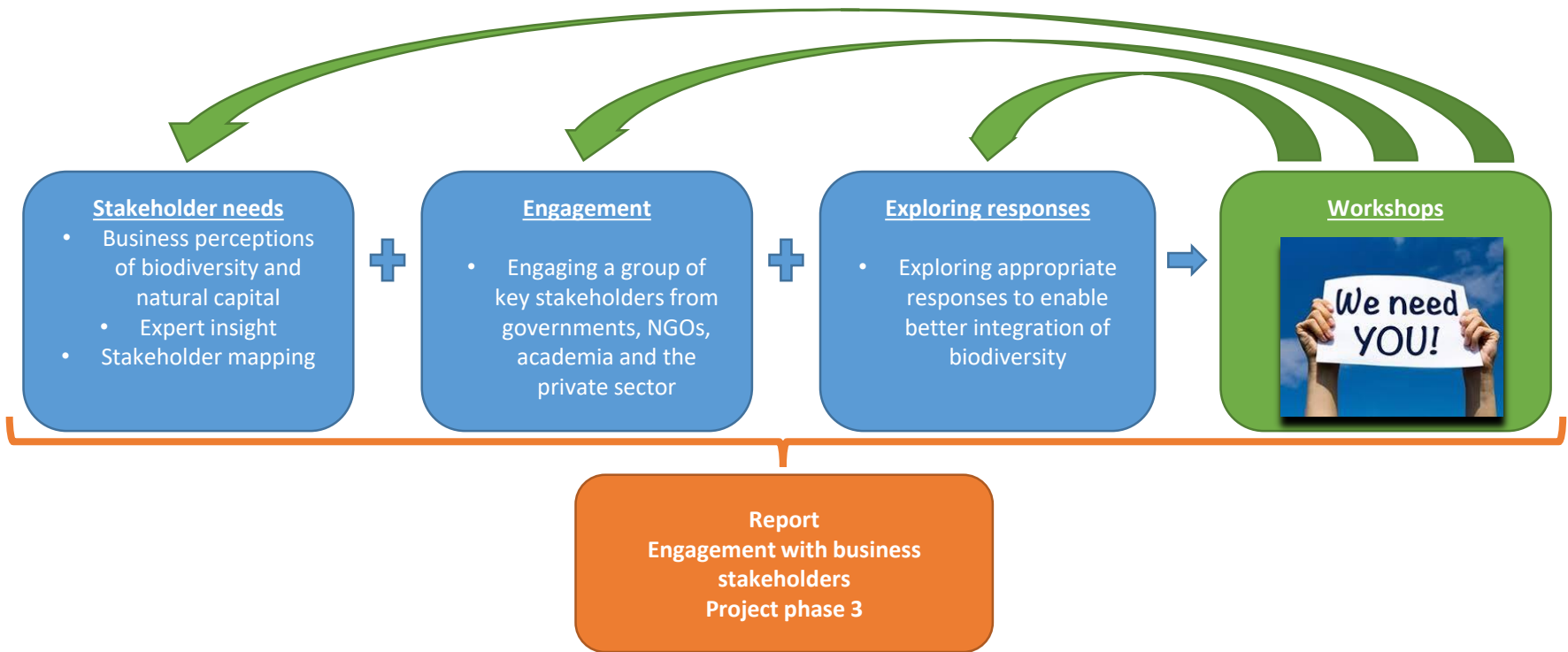
What are we trying to achieve?

Objectives

- To determine the *business needs* for advice on *incorporating biodiversity into natural capital approaches*
- To identify how this should be *presented* for easy access to *businesses*.



Get involved!



Get involved!



Want to run a workshop?

Get in touch!

Gemma.cranston@cisl.cam.ac.uk



DISCUSSION



**UN Environment
World Conservation Monitoring Centre**

www.unep-wcmc.org
[@unepwcmc](https://twitter.com/unepwcmc)

Happy Holidays!

Speakers:

James Vause

(james.vause@unep-wcmc.org)

Hannah Pitts

(hannah.pitts@naturalcapitalcoalition.org)

Gemma Cranston

(gemma.cranston@cisl.cam.ac.uk)