



United Nations Environment  
World Conservation Monitoring Centre



## PROTEUS ANNUAL MEETING

20<sup>th</sup> – 22<sup>nd</sup> June 2018, David Attenborough Building, Cambridge, UK





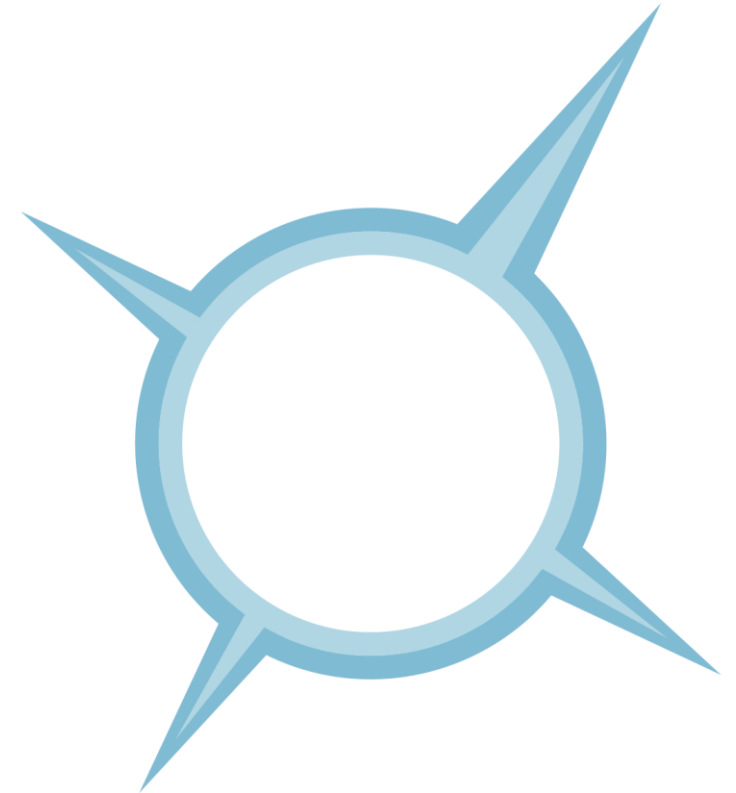
## **PROTEUS UPDATE: 2017 HIGHLIGHTS, IMPACT SURVEY RESULTS AND FINANCIAL REPORT**

Katie Leach, Sebastian Bekker and Jack Rossiter

# 2017 marked the second year of the fourth phase of Proteus

## In this presentation we will cover:

- 2017 Financial Report and 2018 Work Plan
- 2017 Highlights  
Including Proteus Impact Survey results





# 2017 FINANCIAL REPORT AND 2018 WORK PLAN

# 2017 Income and Expenditure: Overview

**Total income**                      **GBP 721,784**

- Plus in-kind contributions
- Plus leveraged funds

**Total expenditure**              **GBP 718,810**




# 2017 Income and Expenditure: Activities

Income for 2017 work plan	Budget Income	Actual Income
<b>Proteus Partner Income</b>	<b>£704,000</b>	<b>£721,784</b>

Expenditure for 2017 work plan	Budget	Expenditure	Leverage
<b>Data and Information</b>	<b>£406,000</b>	<b>£493,043</b>	<b>£597,053</b>
<i>Improve the World Database on Protected Areas</i>		£188,944	
<i>Deliver the Integrated Biodiversity Assessment Tool</i>		£198,586	
<i>Improve and deliver marine and coastal data</i>		£105,513	
<b>Interpretation and Application</b>	<b>£35,000</b>	<b>£73,577</b>	<b>£71,390</b>
<b>Engagement and Capacity</b>	<b>£162,000</b>	<b>£152,211</b>	<b>£107,809</b>
<b>Contingency</b>	<b>£101,000</b>	<b>£0</b>	
<b>Total</b>	<b>£704,000</b>	<b>£718,831</b>	<b>£776,252</b>
<b>Balance</b>		<b>£2,953</b>	

# Leverage funds and in-kind contributions

Income for 2017 work plan		Budget Income	Actual Income	
<b>Proteus Partner Income</b>		<b>£704,000</b>	<b>£721,784</b>	
Expenditure for	<b>In-kind Contributions</b>	Budget	<b>Leverage ratio of</b>	Leverage
<b>Data and Info</b>	<b>£424,768</b>	<b>£406,000</b>	<b>of</b>	<b>£597,053</b>
	<i>World Database on Protected Areas</i>		<b>£1 : £1.1</b>	
	<i>Integrated Biodiversity Assessment Tool</i>		<b>For total partner contributions</b>	
	<i>For marine and coastal data</i>	<b>£35,000</b>		<b>£71,390</b>
<b>Interpretation</b>		<b>£162,000</b>	<b>For individual partner contributions</b>	<b>£107,809</b>
<b>Engagement</b>		<b>£101,000</b>		
<b>Total</b>		<b>£704,000</b>	<b>£718,831</b>	<b>£776,252</b>
<b>Balance</b>			<b>£2,953</b>	

# 2018 Work Plan and Budget

	Income
Expected Partner Income for 2018 work plan	
<i>Proteus Partner Income</i>	£794,000
<i>Carry forward from 2017</i>	£2,953
<b>Total expected income</b>	<b>£796,953</b>

	Budget
Budget for 2018 work plan	
<b>Data and Information</b>	<b>£543,953</b>
<i>Improve the World Database on Protected Areas</i>	£227,953
<i>Deliver the Integrated Biodiversity Assessment Tool</i>	£196,000
<i>Improve and deliver marine and coastal data</i>	£120,000
<b>Interpretation and Application</b>	<b>£108,000</b>
<b>Engagement and Capacity</b>	<b>£145,000</b>

<b>Contingency</b>	<b>£0</b>
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<b>Total</b>	<b>£796,953</b>
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# 2018 activities so far...

## Biodiversity Indicators for Extractives

### Redevelopment of IBAT

### WDPA monthly releases

- 58 countries updated, with over 225,000 records now in the WDPA
- 44,434 records updated; addition of 881 new protected area records

## 2 Technical assistance and ad hoc projects

## 2 Training courses

## 1 Global Biodiversity Agenda webinar

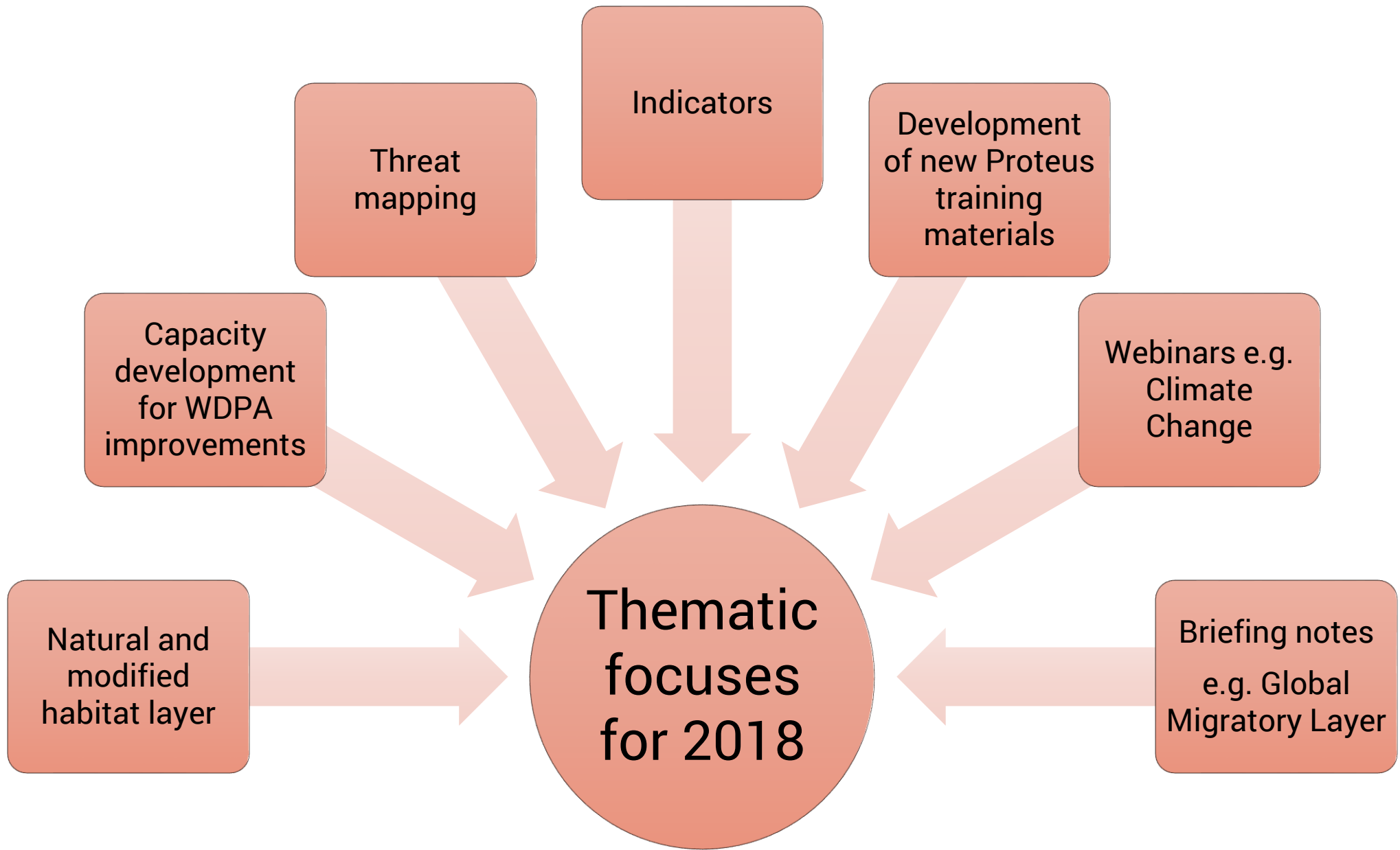
## 2 Technical Community of Practice sessions

## 9 Data verification and support requests

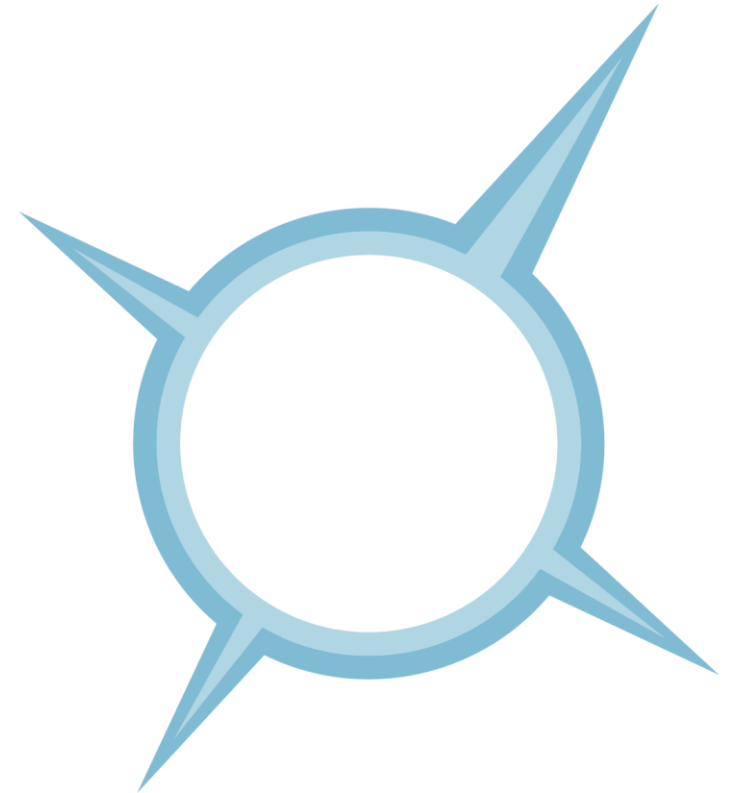
### Technical Briefing Note

- Green and Blue Carbon – an introduction to the role of habitats in mitigating carbon emissions

### Quarterly highlights



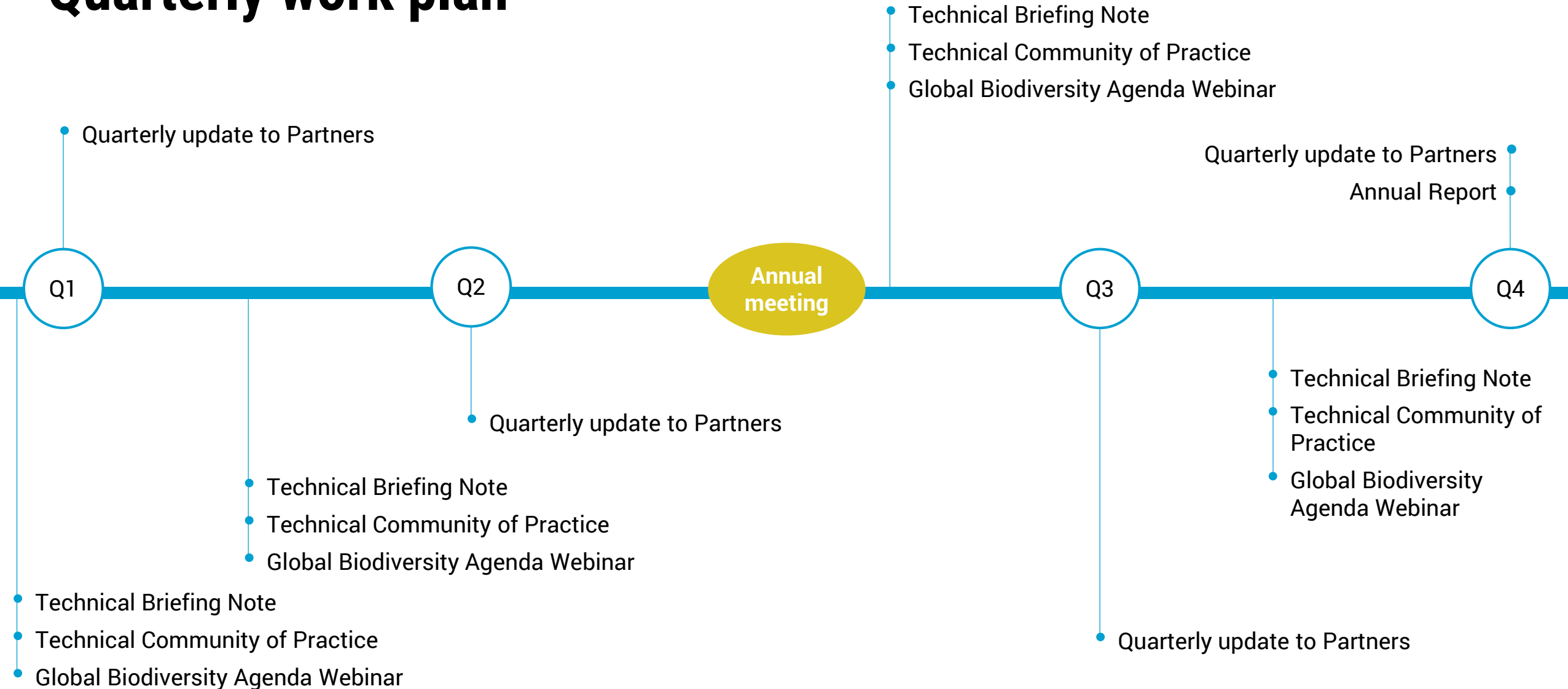
# Questions?






# 2017 HIGHLIGHTS

# Quarterly work plan



# Highlights of activities in 2017

Made by Mike on Nauru Project under CC-BY 3.0 IUS




Improved protected areas data

HeadOffice on Nauru Project under CC-BY 3.0 IUS



Marine and coastal data

Mike Rowe on Nauru Project under CC-BY 3.0 IUS



New Global Critical Habitat screening layer

Mike Rowe on Nauru Project under CC-BY 3.0 IUS



Data updates in IBAT

Joe Harrison on Nauru Project under CC-BY 3.0 IUS



Biodiversity indicators



New briefing notes

Daily Focus on Nauru Project under CC-BY 3.0 IUS



New biodiversity resources

Made by Mike on Nauru Project under CC-BY 3.0 IUS



The Proteus Partnership's impact

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Engaging in business and biodiversity

# Highlight 1: Improved protected areas data

106 countries and territories updated

86% updated or validated

Net increase in 4,030 records

## WDPA Manual updated to version 1.5 and now available in Russian



# Highlight 2: Marine and coastal data

## Updates to two marine and coastal datasets:

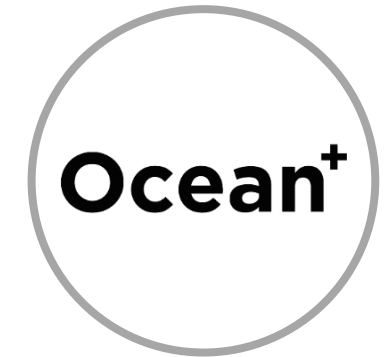
### Cold-water corals

- Now over 30,000 point records, up from around 6,500
- New polygon data covering over 4,000 km<sup>2</sup>
- Coverage increased from 80 to 132 countries

### Saltmarshes

- New polygon data covering >9,000 km<sup>2</sup>
- Total coverage now close to 55,000 km<sup>2</sup> over 99 countries

Category	Resource	Version	Contact Organisation	ID	Metadata	Factsheet	Themes
Biogenic habitat	<a href="#">Coral Trait Database</a>	2017	Macquarie University	1			
Biogenic habitat	<a href="#">Global Distribution of Cora...</a>	2	UN Environment World Conservation Monitoring Centre	2	<a href="#">Link</a>	<a href="#">Link</a>	
Biogenic habitat	<a href="#">Global Distribution of Cora...</a>	7	UN Environment World Conservation Monitoring Centre	3	<a href="#">Link</a>	<a href="#">Link</a>	
Biogenic habitat	<a href="#">Global Distribution of Cold...</a>	4	UN Environment World Conservation Monitoring Centre	4	<a href="#">Link</a>	<a href="#">Link</a>	
Biogenic habitat	<a href="#">Global Habitat Suitability...</a>	1	School of Ocean Sciences, University of Bangor	5	<a href="#">Link</a>	<a href="#">Link</a>	
Biogenic habitat	<a href="#">Global Distribution of Habi...</a>	2009	UN Environment World Conservation Monitoring Centre	6		<a href="#">Link</a>	
Biogenic habitat	<a href="#">Global Distributions of Hab...</a>	1.0 (2012)	Institute of Zoology, Zoological Society of London	7	<a href="#">Link</a>	<a href="#">Link</a>	
Biogenic habitat	<a href="#">Modelled Spatial Distributi...</a>	2014	UN Environment World Conservation Monitoring Centre	8	<a href="#">Link</a>		
Biogenic habitat	<a href="#">Global Distribution of Mang...</a>	1.3 (June 2015)	UN Environment World Conservation Monitoring Centre	9	<a href="#">Link</a>	<a href="#">Link</a>	



## Metadata for over 180 datasets that covers:

- Marine spatial planning
- Education
- Environmental Impact Assessment
- Ecosystem assessment
- Ecosystem services and natural capital

# Highlight 3: New Global Critical Habitat screening layer

Supported and tested by Proteus Partners

Layer accompanied by:

- Briefing note which provides:
  - Information on trigger features
  - Detailed metadata
  - FAQs
- Two justification documents aligning EBSA and VME criteria with IFC's criteria for Critical Habitat

UN Environment World Conservation Monitoring Centre - Technical Briefing Note  
July 2017

proteus UN environment WCMC

## Screening for Critical Habitat

A global screening layer based on the Critical Habitat definition of the International Finance Corporation's Performance Standard 6 (IFC PS6)

**Key messages**

- A screening layer for Critical Habitat across both terrestrial and marine realms (Fig. 1) has been developed by UNEP-WCMC in consultation with a range of biodiversity experts. This product can support high-level screening for Critical Habitat to inform project development and investment decisions but cannot replace the required on-site assessment needed to confirm the presence of Critical Habitat.
- Areas are classified as 'likely' or 'potential' Critical Habitat depending on the resolution and reliability of the datasets and their alignment with the IFC Performance Standard 6 (PS6) criteria defining Critical Habitat. All other areas are considered 'unclassified' based on the lack of data for assessing the likelihood of Critical Habitat presence.
- The global screening layer draws on 20 global-scale spatial datasets. Of these, 12 datasets support the screening of Critical Habitat in the terrestrial realm, and 15 datasets support screening in the marine realm.
- Of the total terrestrial area, 10% (15 million km<sup>2</sup>) is classified as 'likely' and 5% (8 million km<sup>2</sup>) as 'potential' Critical Habitat. Of the total marine area, 3.2% (11 million km<sup>2</sup>) is classified as 'likely' and 0.2% (3 million km<sup>2</sup>) is classified as 'potential' Critical Habitat.
- The screening layer is distributed as a 1 x 1 km<sup>2</sup> raster dataset, available to Proteus Partners for testing. Information on underlying trigger features is recorded within the layer attribute table.
- The screening layer will evolve to include updated versions of existing data layers (e.g. World Database on Protected Areas, IUCN Red List of Threatened Species and World Database of Key Biodiversity Areas) and new data that become available and accessible for this purpose (e.g. Red List of Ecosystems, Ecologically or Biologically Significant Marine Areas, Vulnerable Marine Ecosystems).

Figure 1: Global distribution of likely and potential Critical Habitat within the Global Critical Habitat screening layer (version 1.0)

Table 1. Datasets used to develop the global Critical Habitat screening layer (adapted from Martin et al. [5])

Biodiversity feature	Data source	Designation criterion / Trigger	IFC PS6 criteria / scenario								Classification	
			1	2	3	4	5	A	B			
Key Biodiversity Areas (KBAs)	[6]	Vulnerability criterion for CR species	L									Likely
		Vulnerability criterion for EN species	L									Likely
		Irreplaceability criterion, sub-criterion a		L								Likely
		Irreplaceability criterion, sub-criteria b, c and d				L						Likely
		Irreplaceability criterion, sub-criterion e					P					Potential
Alliance for Zero Extinction sites (AZE)	[6]	All sites	L	L	L						Likely	
Important Bird and Biodiversity Areas (IBAs)	[6]	Criterion A1 for CR species	L									Likely
		Criterion A1 for EN species	L									Likely
		Criterion A2		P								Potential
		Criterion A4				L						Likely
		Criterion A3					P					Potential
		CR and EN species which occupy 10 or fewer sites	L								Likely	

# Highlight 4: Data updates in IBAT



**Recent updates to core datasets**



**IBAT redevelopment process ongoing**



Protected Areas

225,528 records

March 2018



Key Biodiversity Areas

15,485 records

March 2017



Red List Species

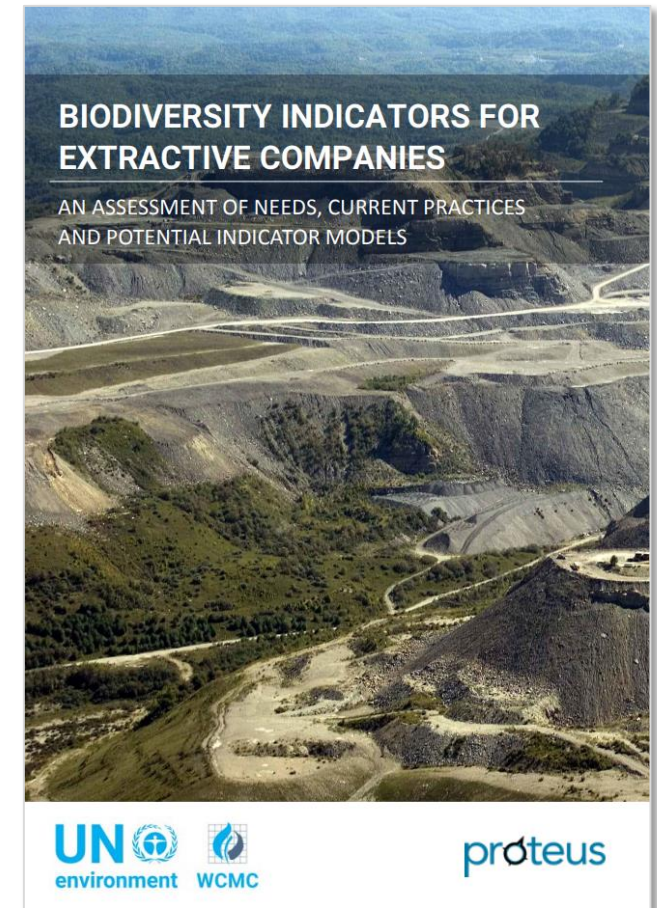
85,692 species

December 2017

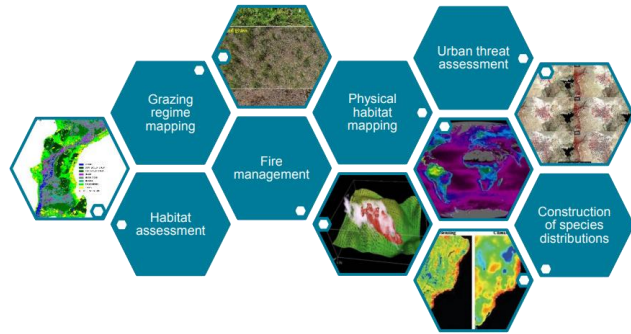
# Highlight 5: Biodiversity indicators

## New report launched, which:

- Summarises needs and current practices for biodiversity indicators in extractive companies
- Scopes potential new frameworks that could be adopted
- Reviews existing approaches, frameworks and indicators

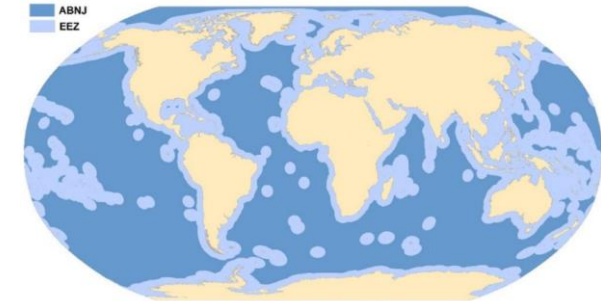


# Highlight 6: New briefing notes

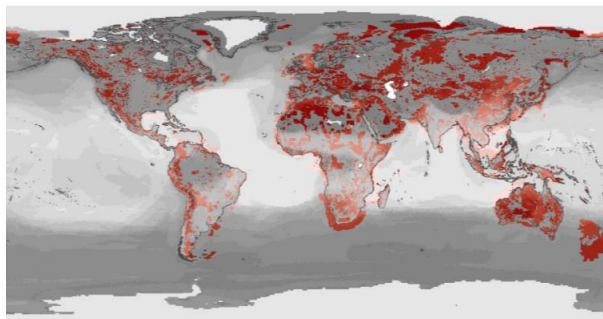


## Satellite remote sensing data for biodiversity management

## Biodiversity Beyond National Jurisdiction

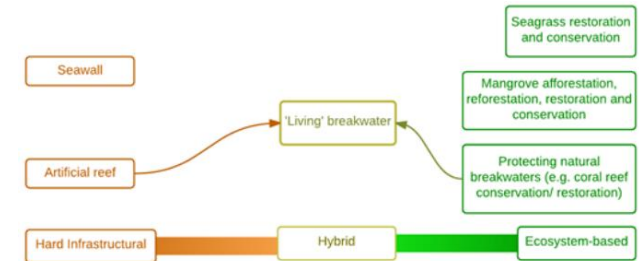


Data source: Flanders Marine Institute [5]. Boundaries shown on maps do not imply official endorsement or acceptance by UN Environment or contributory organisations.



## Species' responses to climate change

## Ecosystem-based Adaptation



# Highlight 7: New biodiversity resources

## Technical Community of Practice

- Mar 2017** Accessing data available through Proteus
- Jun 2017** Working with the IUCN Red List of Threatened Species
- Aug 2017** Working with the Global Critical Habitat Screening Layer

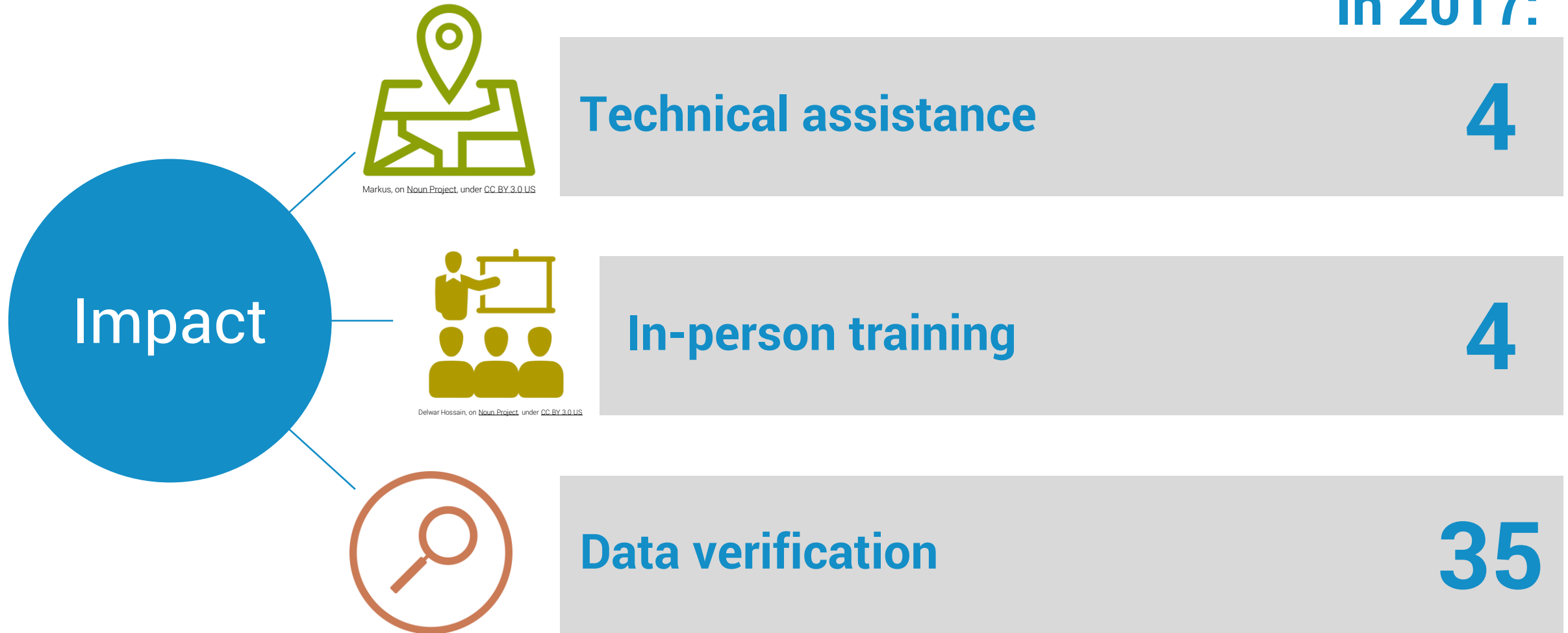


## Global Biodiversity Agenda

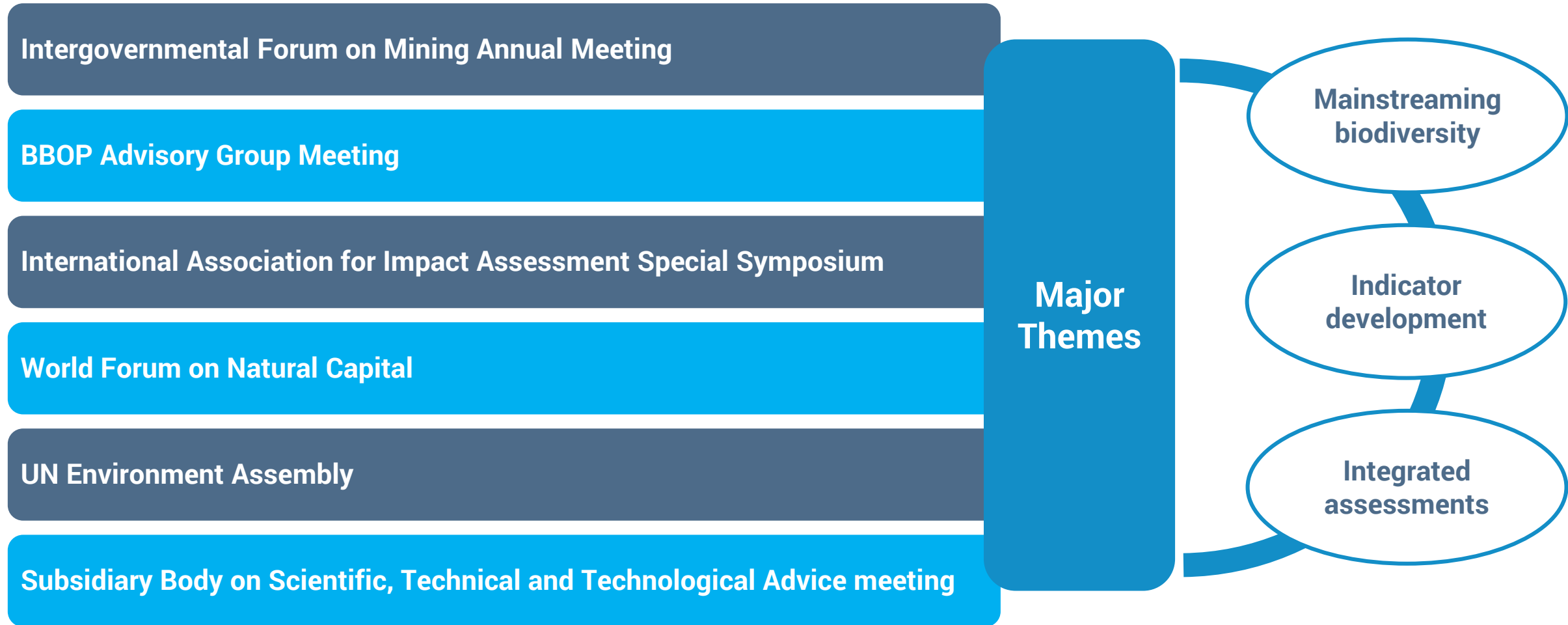
- May 2017** Mapping threats to biodiversity – putting industrial activities into perspective
- Oct 2017** The IUCN Green List – global standard for protected and conserved areas
- Dec 2017** Ongoing developments around natural capital

# Highlight 8: The Proteus Partnership's impact

In 2017:



# Highlight 9: Engaging in business and biodiversity





# IMPACT SURVEY RESULTS

# Progress on 2017 priority activities

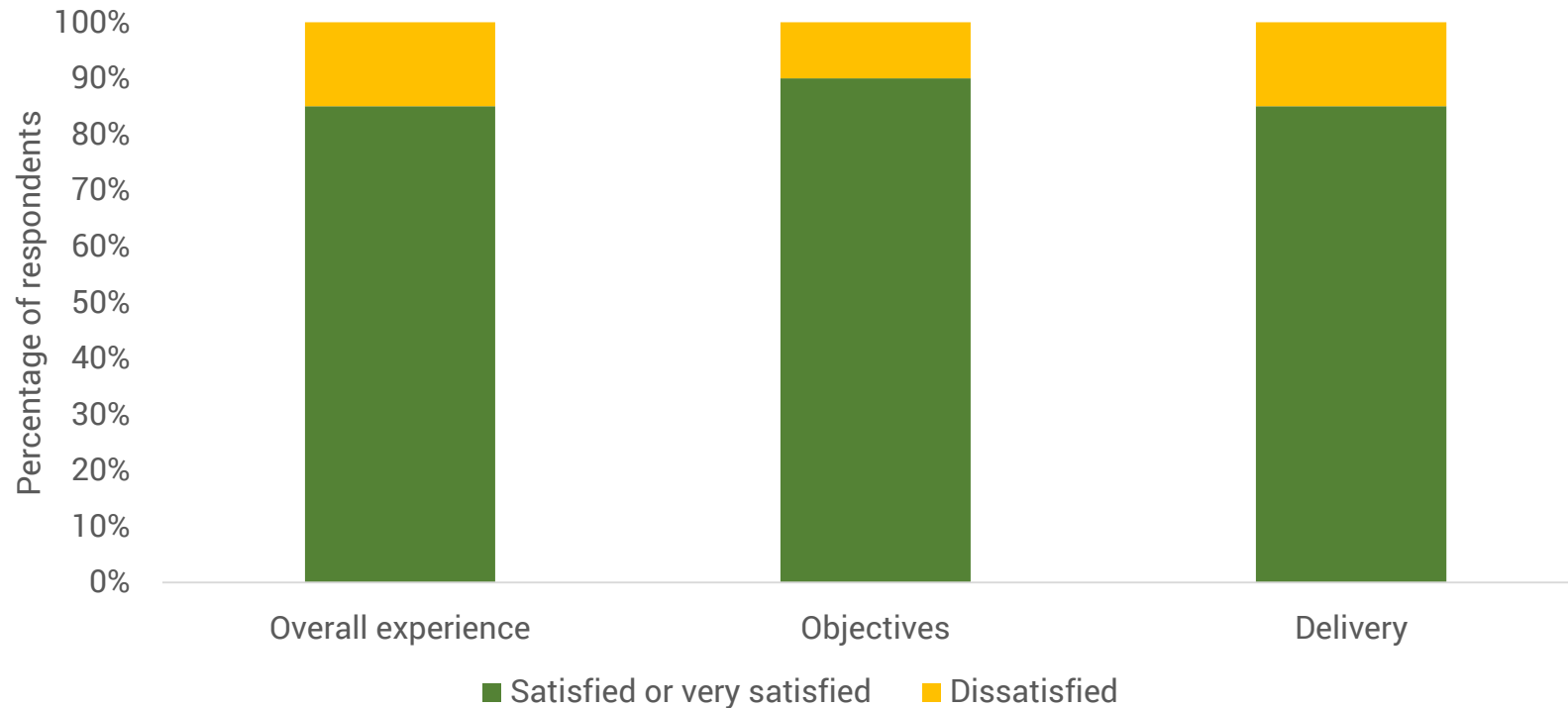
- ✓ Continue to improve data quality in priority countries
- ✓ Improve site-level information on protected areas management, including critical habitat proxy and biodiversity indicators
- ~ Access to a wider range of datasets, for example on climate change risk and ecosystem services
- ~ Help us think how we can turn data into risk-based priority areas

# Examining the value of Proteus

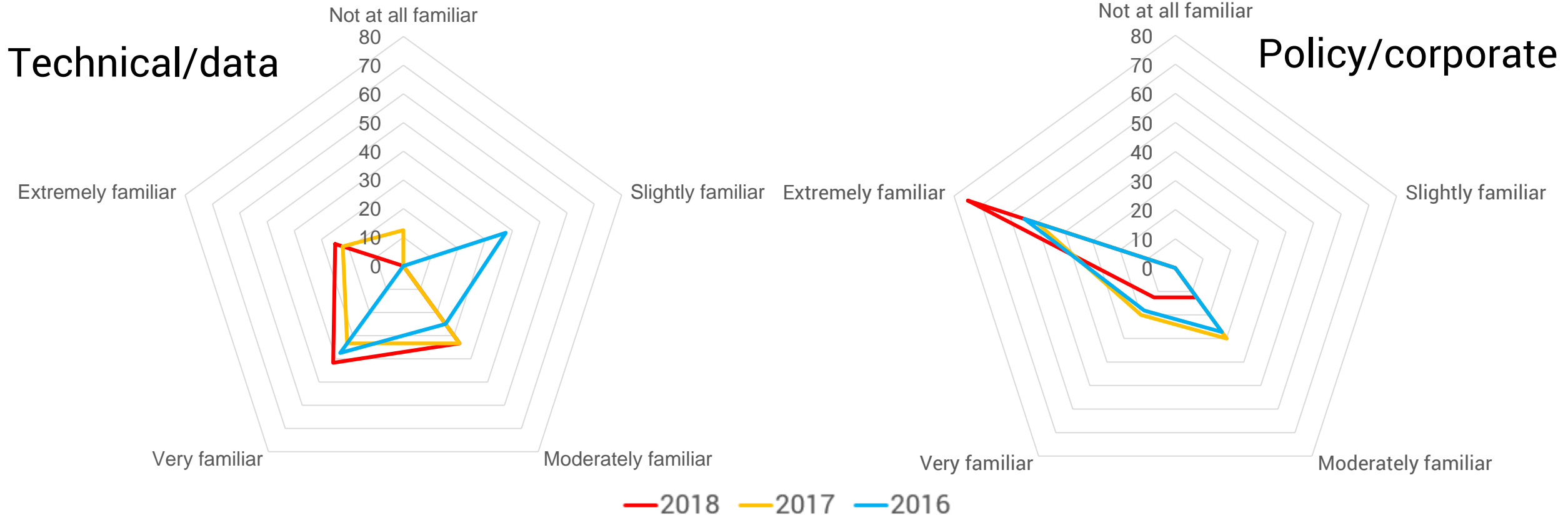
## Survey to explore the value of the data, information and support provided through the Partnership

- 23 responses from 11 Proteus Partners
- 14 responses from technical/data users and 9 from policy/corporate users

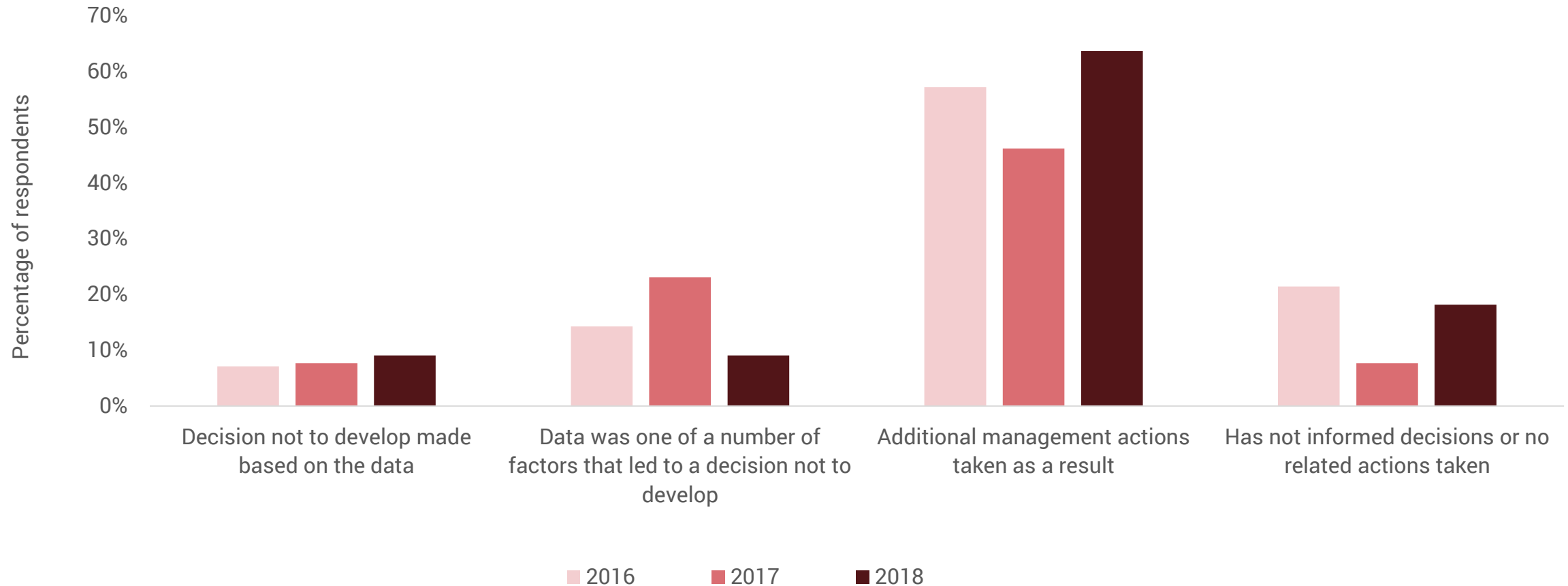
# 1. Proteus Partners were satisfied with the overall experience and delivery of the Partnership



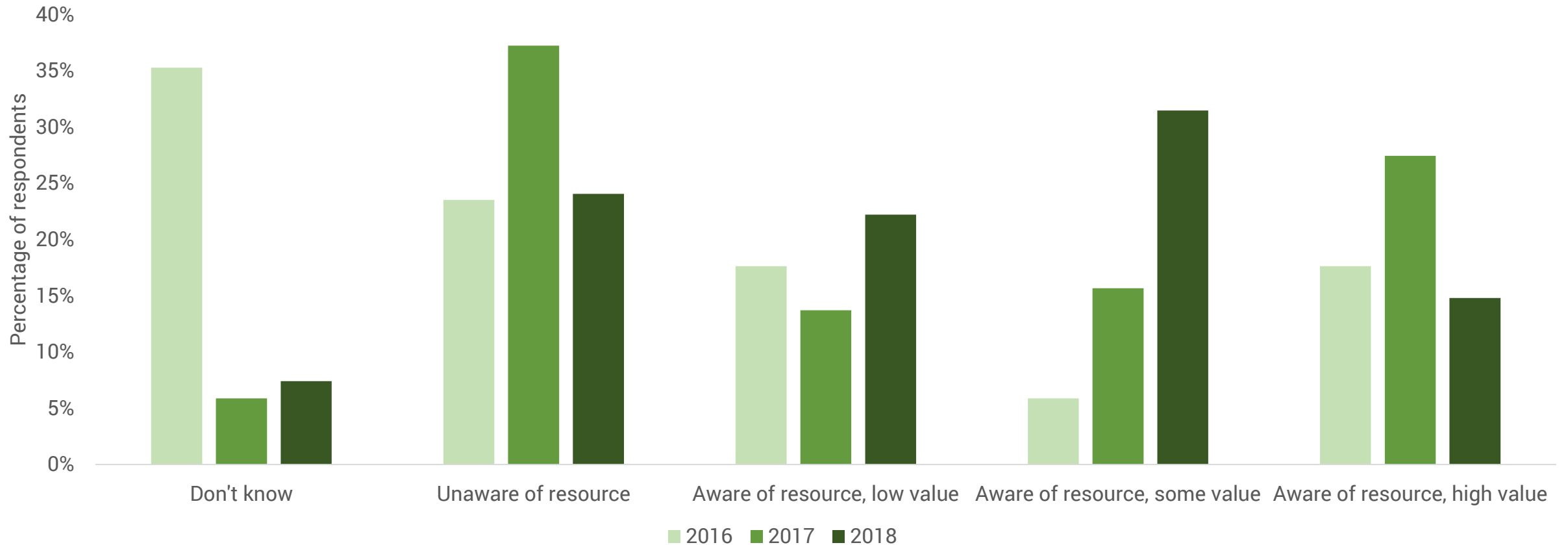
# 2. Technical users continue to show increased familiarity with the Partnership



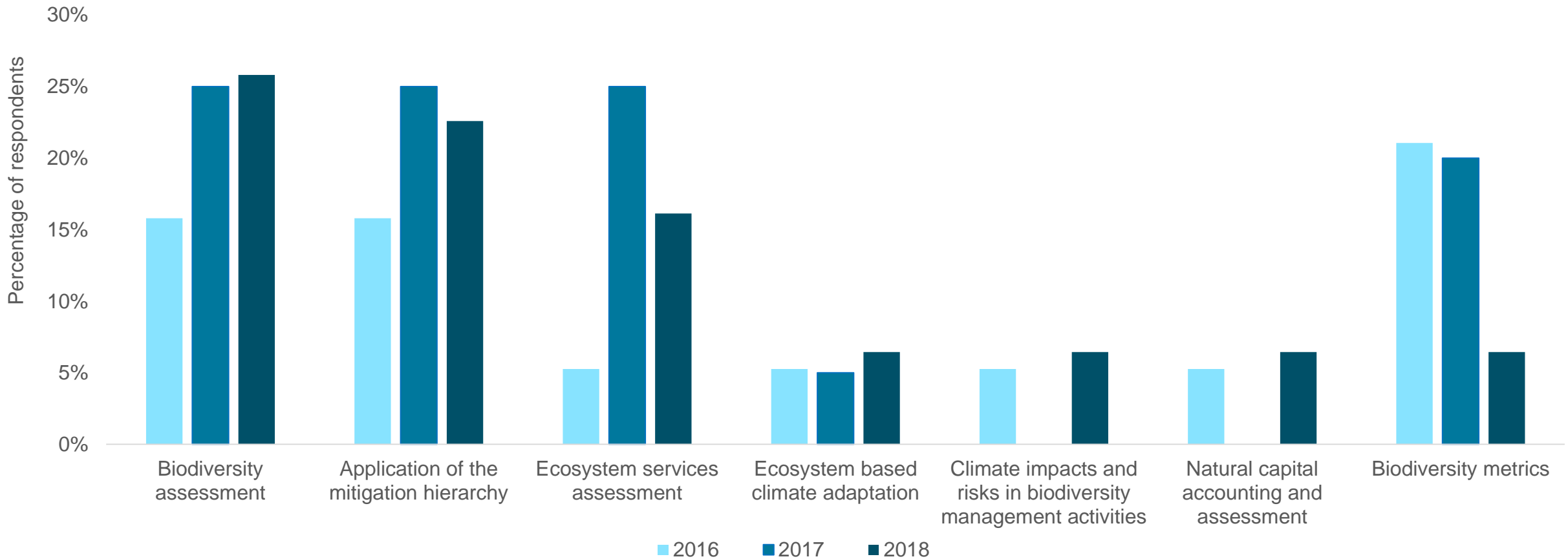
# 3. Data has consistently led to additional management actions over the last three years



# 4. Increased awareness and value for marine and coastal resources provided through the Proteus Partnership



# 5. Biodiversity assessments and application of the mitigation hierarchy are consistently priority issues for Proteus Partners



# Suggestions for Proteus over the next 5 years

## Country-level data

- E.g. Invest in countries that are hard to obtain data from

## Data management

- E.g. Provide flexible and user-friendly spatial data management tools

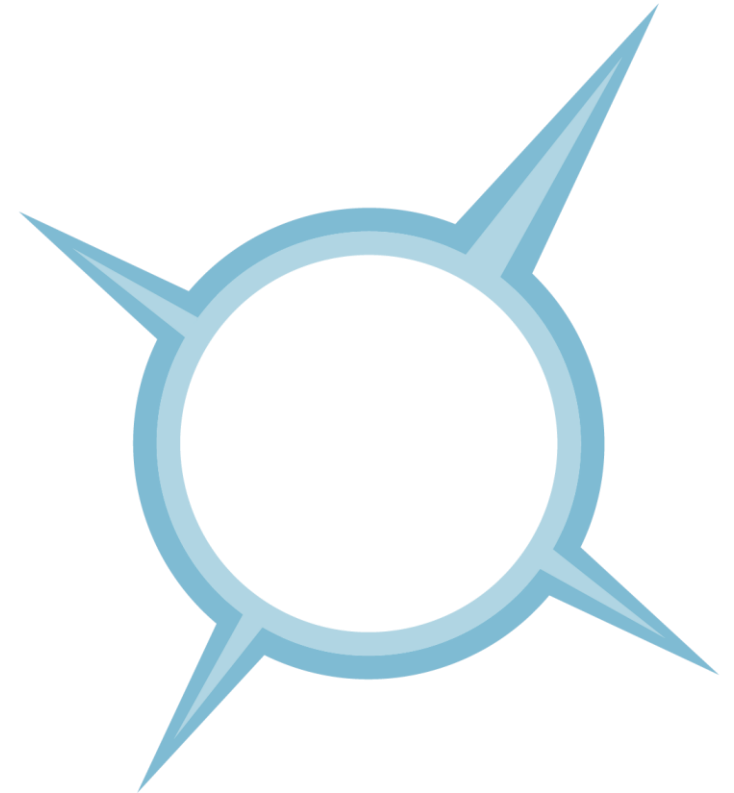
## Data gaps and quality

- E.g. Expand marine baseline data

## General development

- E.g. More face to face meetings

# Questions?





**PROTEUS 2019/20**

Matt Jones



United Nations Environment  
World Conservation Monitoring Centre

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