Using indicators to support target development & reporting

*Regional Workshop for Central Asia on Updating
National Biodiversity Strategies and Action Plans*

Istanbul, Turkey, 20 October 2011

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www.bipindicators.net

Biodiversity Indicators Partnership (BIP)

•CBD-mandated collaboration
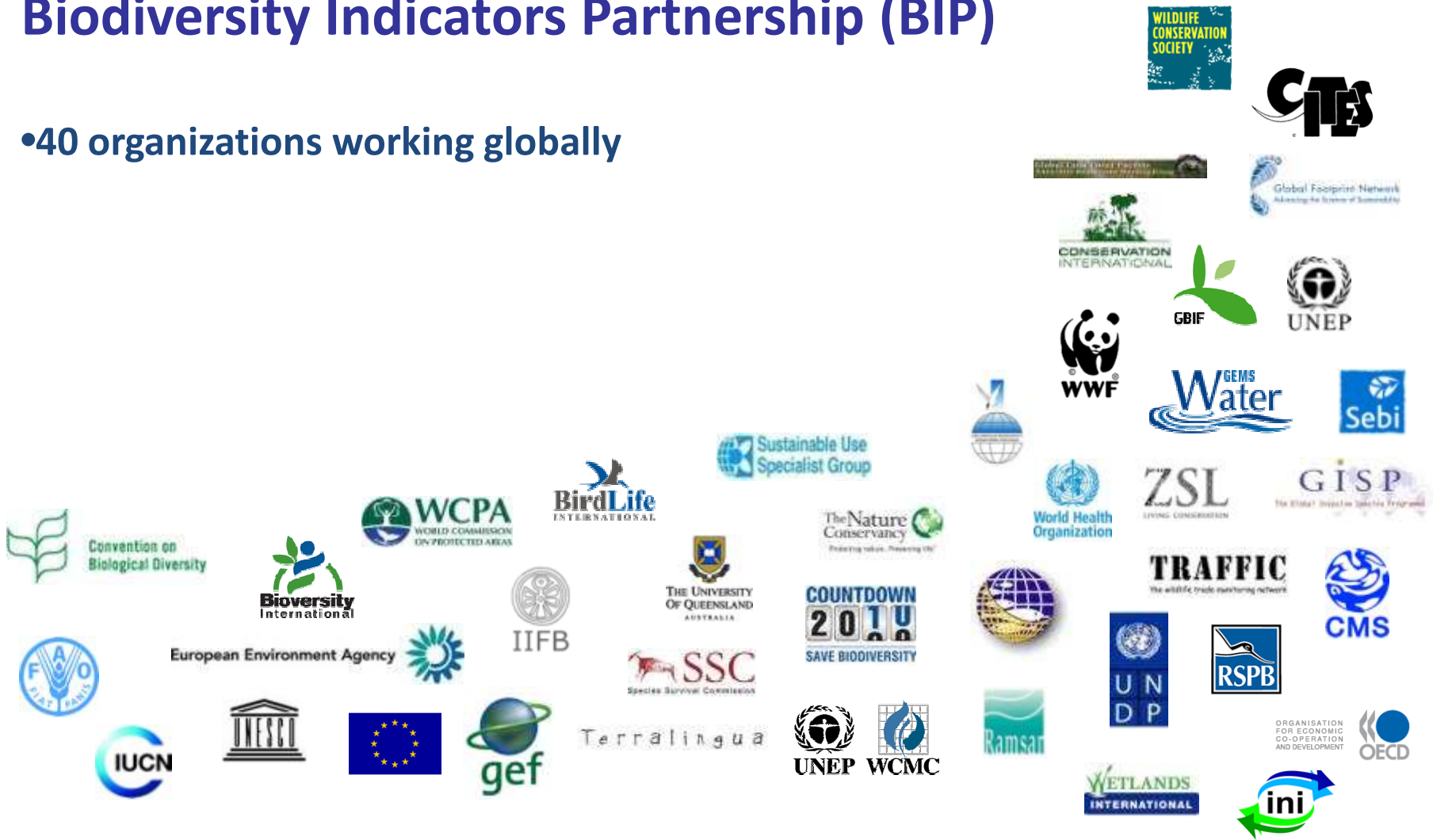
• Global GEF funded initiative

1. Partnership generating information useful to decision-makers

2. Improved global indicators available

3. National governments using and contributing to delivery of global indicators

Biodiversity Indicators Partnership (BIP)

• **40 organizations working globally**

21 "headline" indicators
31 metrics

Global Biodiversity: Indicators of Recent Declines

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In 2002, world leaders committed, through the Convention on Biological Diversity, to achieve
a significant reduction in the rate of biodiversity loss by 2010. We compiled 31 indicators to report

Butchart et al (2010) *Science* 328: 1164-8

The Partnership to 2020 and beyond...

- An enlarged and **enhanced partnership** to facilitate experience sharing and indicator implementation

- A major expansion in **national** capacity-strengthening for the development and use of biodiversity / ecosystem service indicators

- A **communication hub** for compelling storylines from the combined suite of global indicators

Uses of biodiversity indicators:

- Track progress in achieving targets

- Guide policy design & implementation:
  - *Highlight where action is needed*
  - *Adaptive management*

- Build support:
  - *Communicate simple messages*

What is a successful indicator?

Scientifically valid – theory of relationship between the indicator and its purpose (what change in the indicator means) + reliability of the data

Based on available data – over time (monitoring)

Responsive to change in the issue of interest

Easily understandable – conceptually + presentation + interpretation

Relevant to user's needs

It is used!
(for measuring progress, early-warning, understanding an issue, awareness-raising, …)

Regional & national capacity building

Capacity building in 45 Countries

> South East Asia
> Caribbean
> Mesoamerica
> Eastern Africa
> Southern
> Africa

"~~National governments and regional organizations using and contributing to the improved delivery of global indicators~~"

"National governments developing and using indicators relevant to national priorities"

Aligns with the NBSAP approach:

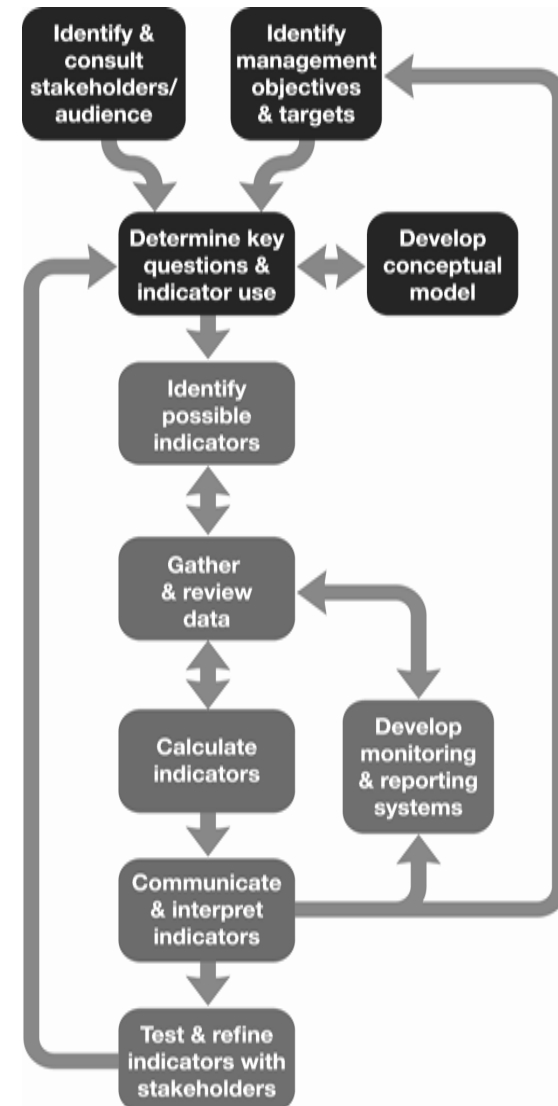Identification of national targets which correspond to national priorities

Indicators to monitor progress

Biodiversity Indicator Development Framework

- Tested and redefined

- Key steps for successful indicator development
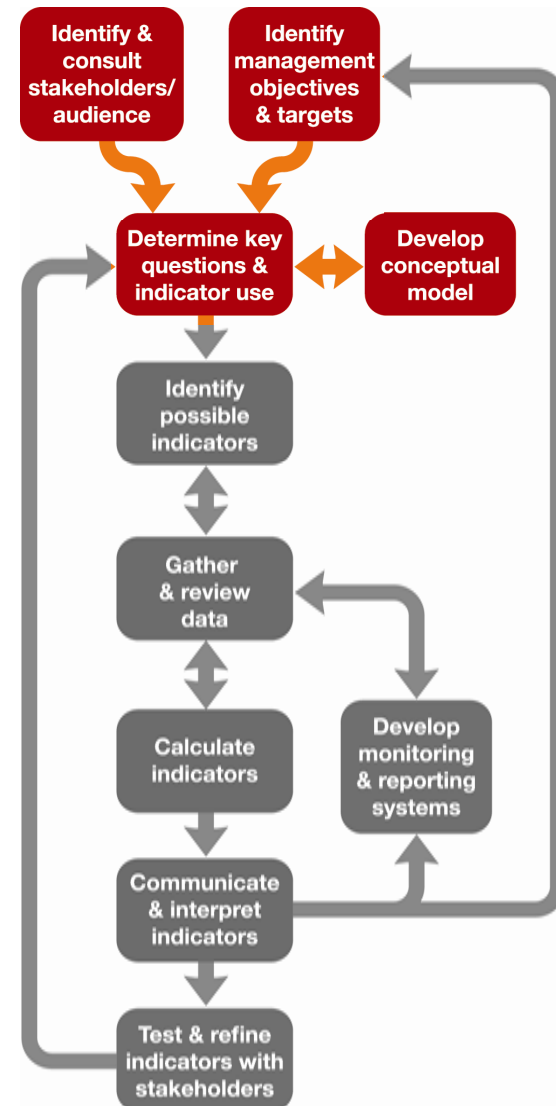
- Three themes:

Biodiversity Indicator Development Framework

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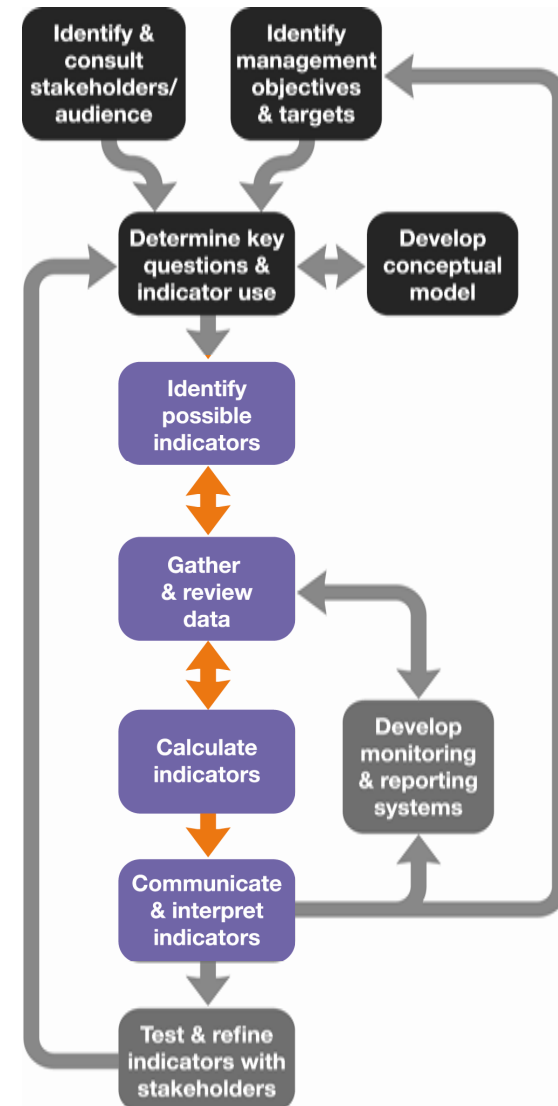   - **Purpose** – actions needed for selecting successful indicators

Biodiversity Indicator Development Framework

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- Three themes:

  - **Purpose** – actions needed for selecting successful indicators

  - **Production** – essential to generate indicators

Biodiversity Indicator Development Framework

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•Key steps for successful indicator development

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•**Purpose** – actions needed for selecting successful indicators
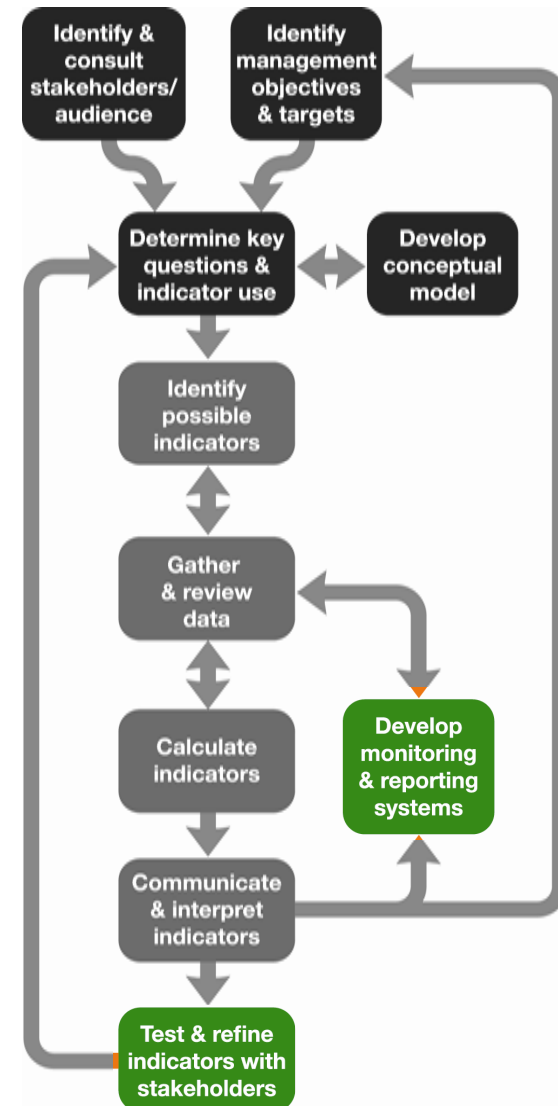
•**Production** – essential to generate indicators

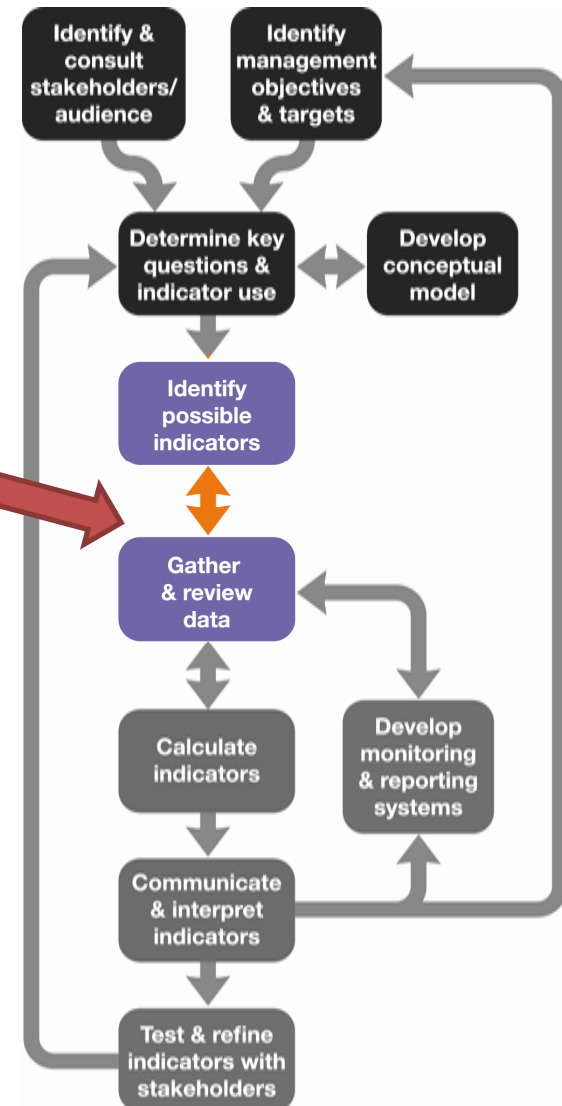•**Permanence** – mechanisms for ensuring indicator continuity and sustainability

Biodiversity Indicator Development Framework

Many indicator developers start here

- Data driven

- Do not always correspond to national priorities

- No clear links to management objectives & targets

Identify & consult stakeholders/audience

Identify management objectives & targets

Determine key questions & indicator use

Develop conceptual model

Identify possible indicators

Gather & review data

Calculate indicators

Develop monitoring & reporting systems

Communicate & interpret indicators

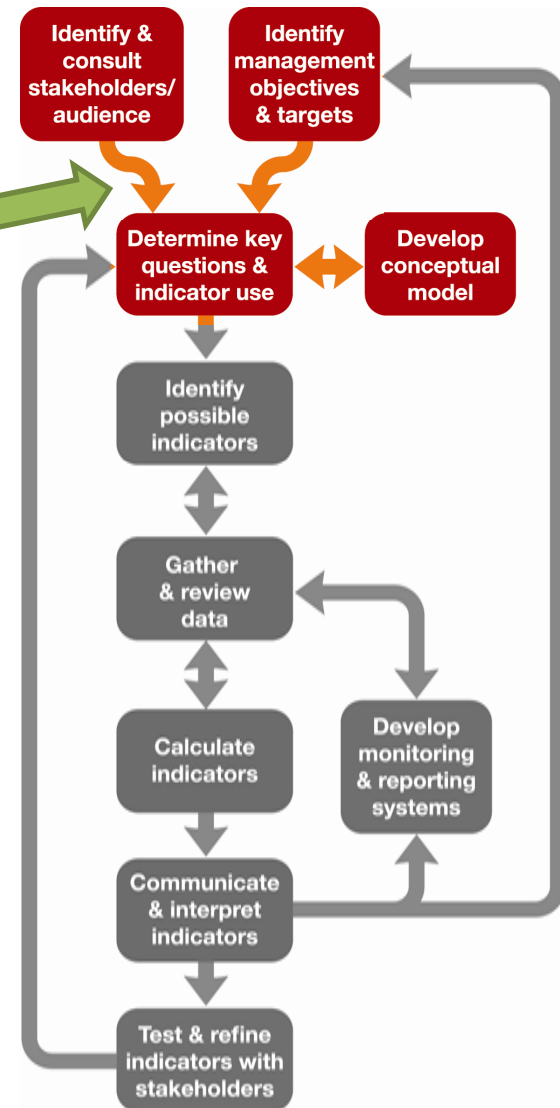Test & refine indicators with stakeholders

Biodiversity Indicator Development Framework

Encourage indicator developers to start here

• Important to identify management objectives & targets

Biodiversity Indicator Development Framework

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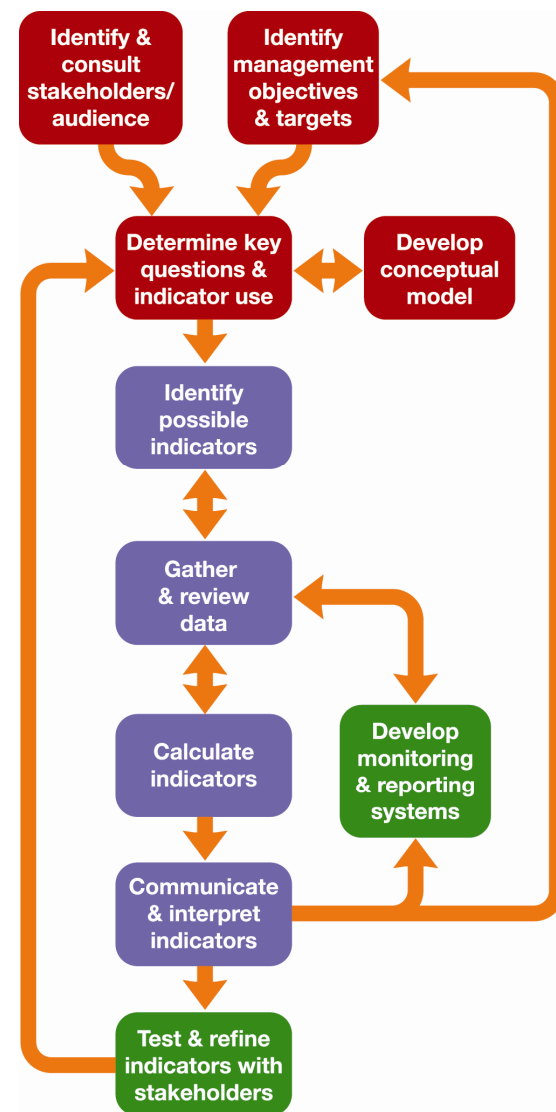• **Complements NBSAP process of target setting**
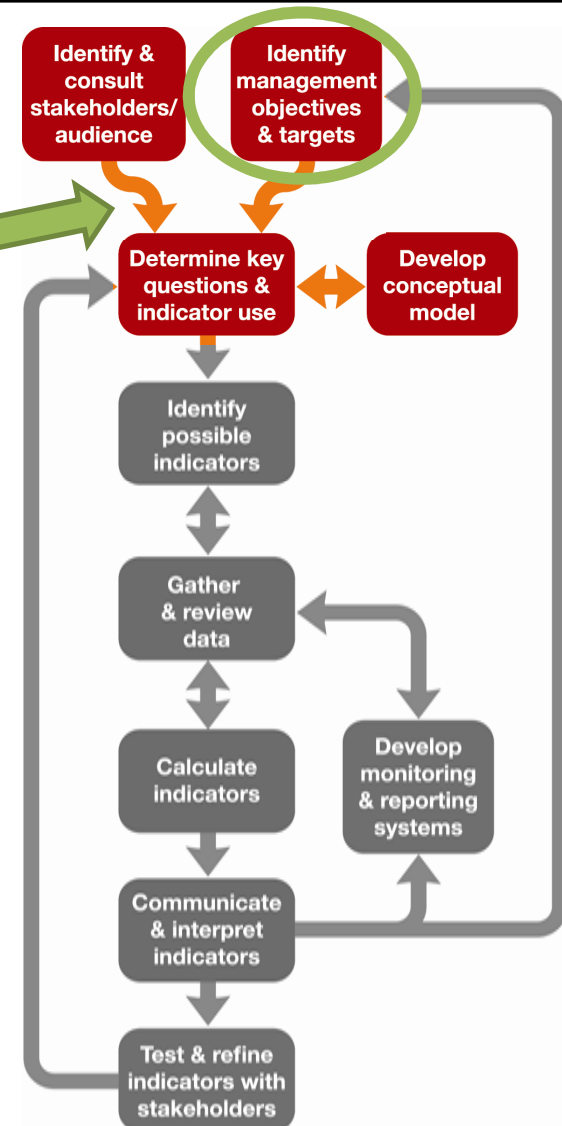
Biodiversity Indicator Development Framework

English, Spanish, French, Arabic, Russian (soon)

Ad Hoc Technical Expert Group (AHTEG) on indicators for the Strategic Plan for Biodiversity 2011-2020

- June 2011, High Wycombe, UK

- Established by CBD COP 10 (Decision X/7)

- Aim - To provide advice and guidance on the development of indicators for the Strategic Plan for Biodiversity 2011-2020
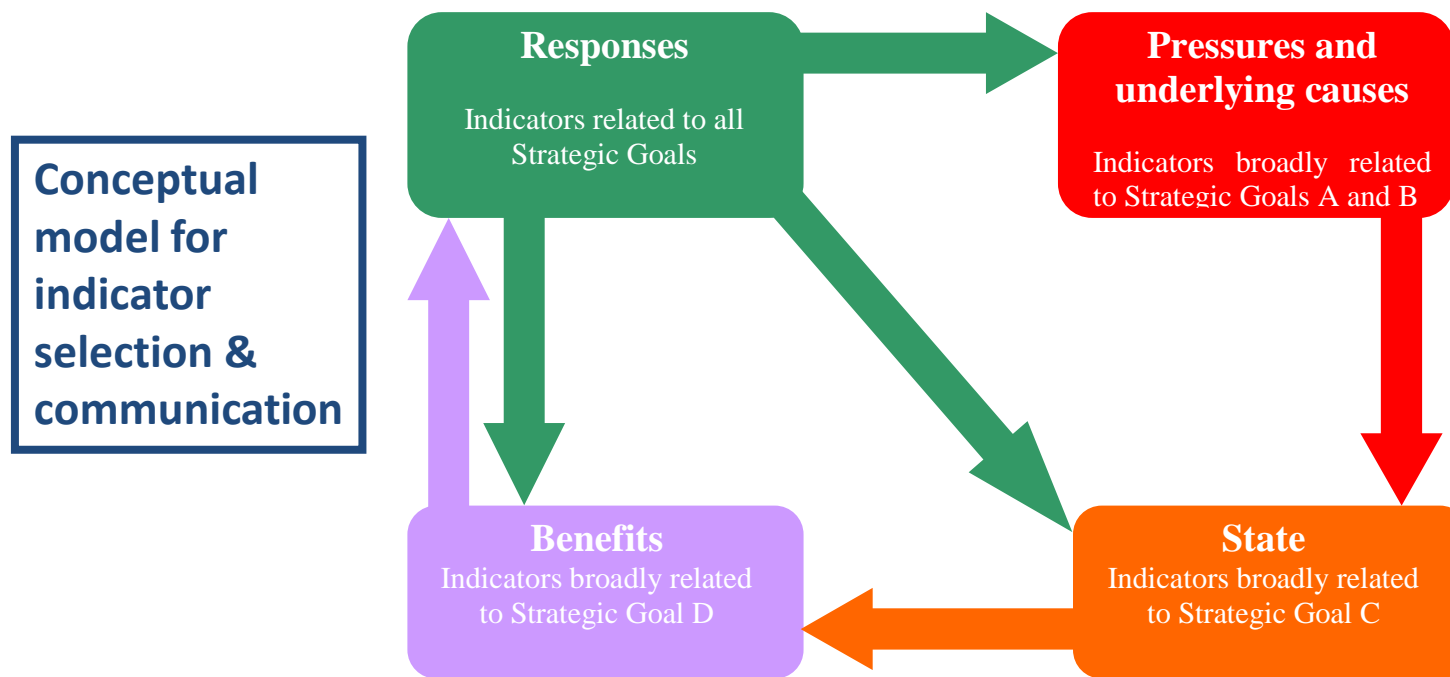
- Adopted 13 recommendations

AHTEG results (June 2011)

What do we do about biodiversity loss?

Why are we losing biodiversity?

Conceptual model for indicator selection & communication

Responses

Indicators related to all Strategic Goals

Pressures and underlying causes

Indicators broadly related to Strategic Goals A and B

Benefits
Indicators broadly related to Strategic Goal D

State
Indicators broadly related to Strategic Goal C

What are the implications of biodiversity loss?

How is the status of biodiversity changing?

www.bipindicators.net
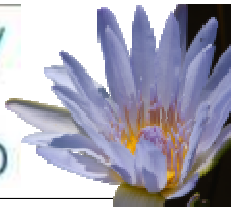
AHTEG results (June 2011)

Relationship between targets, headline indicators & indicators

Target 1
Target 2
Target 3

Headline indicator

Headline indicator

Headline indicator

Headline indicator

Global indicator

Regional indicator

Regional indicator

National indicator

etc

Global indicator

Global indicator

National indicator

National indicator

etc

Global indicator

Regional indicator

Regional indicator

National indicator

etc

Global indicator

Global indicator

National indicator

National indicator

etc

Regional targets

National targets

AHTEG results (June 2011)

12 Headline Indicators – each covers several sub-topics

Operational indicators needed under each headline

Three 'grades'
A: Priority indicators, <u>ready</u> for use globally/sub-globally (**22** indicators)
B: Priority indicators to be developed (51 indicators)
C: Additional indicators for consideration at sub-global level

www.cbd.int/doc/?meeting=AHTEG-SP-IND-01

AHTEG results (June 2011)

Recommendations of particular importance to national indicator developers:

Recommendation 2: Parties to the CBD should use the Strategic Goals and the Aichi Biodiversity targets for the Strategic Plan for Biodiversity 2011-2020 and the proposed indicator framework as a flexible framework to develop indicators to monitor and review the implementation of their updated NBSAPs, according to national needs and priorities…

Recommendation 3: Countries, particularly those with limited resources are encouraged initially to establish a few simple indicators for priority issues within their NBSAPs and in line with the Aichi Biodiversity Targets, to demonstrate the benefits of indicators and build support for their use for other issues…

www.cbd.int/doc/?meeting=AHTEG-SP-IND-01

Further Information and Resources

www.bipindicators.net
www.bipnational.net
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Exercise (Упражнение)

In your groups:
Работая в вашей группе:

1. Pick one of the targets from this morning's exercise
Выберите одну из целевых задач (стратегическая цель Б) которые обсуждались этим утром

2. Come up with ideas for 2-3 indicators which could be used to monitor and assess progress towards this target
Предложите ваши идеи 2 - 3-х показателей, которые могут быть использованы для мониторинга и оценки прогресса в достижении этой целевой задачи