



# THE BIODIVERSITY INDICATORS PARTNERSHIP

## *And its lessons for possible Regional Seas Indicators*

UNEP Regional Seas Indicator Development Workshop  
Geneva, 1 July 2014

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Cambridge, UK





## UNEP World Conservation Monitoring Centre

- *biodiversity assessment arm of UNEP*
- *branch of UNEP/DEWA*
- **118 staff, Cambridge, UK**



[www.unep-wcmc.org](http://www.unep-wcmc.org)





# BIP background

- Established **2007**
- **47** organizations
- **Integrated into CBD 2012**
- Principal vehicle for **coordinating indicators** at global, regional and national scales for the Strategic Plan for Biodiversity 2011-2020





## 3 Lessons to share for RSP

Combining indicators for analyses

Conceptual framework to link indicators

Indicator selection



# global overviews

Submitted Manuscript. Confidential

**Science**

**Title: A mid-term analysis of progress towards international biodiversity targets**

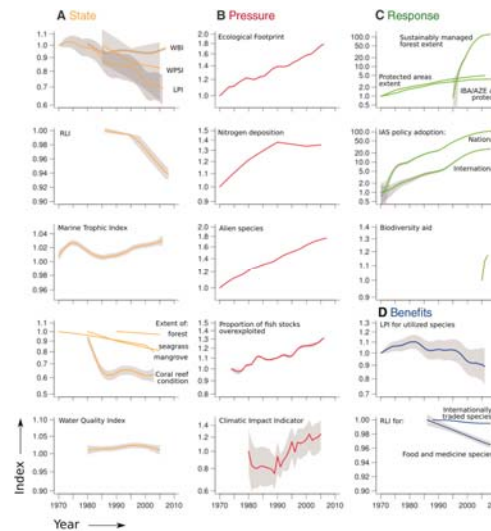
**Authors:** Derck P. Tittensor<sup>1,2\*</sup>, Matt Walpole<sup>1</sup>, Samantha L. Hill<sup>1</sup>, Daniel G. Boyce<sup>3,4</sup>, Gregory L. Britten<sup>2</sup>, Neil D. Burgess<sup>1</sup>, Stuart H. M. Butchart<sup>5</sup>, Paul W. Leadley<sup>6</sup>, Eugenie C. Regan<sup>1</sup>, Rob Alkamade<sup>7</sup>, Roswitha Baumung<sup>7</sup>, Céline Bellard<sup>8</sup>, Lex Bouwman<sup>9</sup>, Nadine J. Bowles-Newark<sup>1</sup>, Anna M. Cheney<sup>1</sup>, William W.L. Cheung<sup>10</sup>, Villy Christensen<sup>10</sup>, H. David Cooper<sup>11</sup>, Annabel R. Crowther<sup>1</sup>, Matthew J.R. Dixon<sup>1</sup>, Alessandro Galli<sup>12</sup>, Valérie Gaveau<sup>13</sup>, Richard D. Gregory<sup>14</sup>, Nicolas L. Gutierrez<sup>15</sup>, Tim Hirsch<sup>16</sup>, Robert Hoff<sup>11</sup>, Stephanie R.

Tittensor et al (in review) *Science* 2014

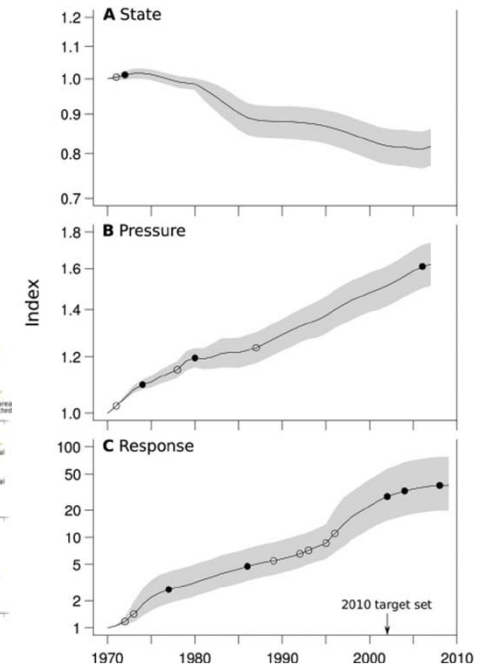
**Global Biodiversity: Indicators of Recent Declines**

Stuart H. M. Butchart<sup>1,2\*</sup>, Matt Walpole<sup>3</sup>, Ben Collen<sup>2</sup>, Arco van Strien<sup>4</sup>, Jörn P. W. Scharlemann<sup>1</sup>, Rosamunde E. A. Almond<sup>3</sup>, Jonathan E. M. Baillie<sup>3</sup>, Bastian Bonhard<sup>4</sup>, Claire Brown<sup>4</sup>, John Bruno<sup>4</sup>, Kent E. Carpenter<sup>4</sup>, Genevieve M. Carr<sup>7</sup>, Janice Chanson<sup>8</sup>, Anna M. Cheney<sup>9</sup>, Jorge Ciriaco<sup>9</sup>, Nick C. Davidson<sup>10</sup>, Frank Dentener<sup>11</sup>, Matt Foster<sup>12</sup>, Alessandro Galli<sup>13</sup>, James N. Galloway<sup>14</sup>, Piero Genovesi<sup>15</sup>, Richard D. Gregory<sup>16</sup>, Marc Hockings<sup>17</sup>, Valerie Kapos<sup>1,18</sup>, Jean-François Lamarque<sup>19</sup>, Fiona Leverington<sup>21</sup>, Jonathan Loh<sup>20</sup>, Melodie A. McGroch<sup>21</sup>, Louise McLean<sup>2</sup>, Anahit Minasyan<sup>22</sup>, Monica Hernández Morcillo<sup>3</sup>, Thomasina E. E. Oldfield<sup>23</sup>, Daniel Pauly<sup>24</sup>, Suhel Quader<sup>25</sup>, Carmen Revenga<sup>26</sup>, John R. Sauer<sup>27</sup>, Benjamin Skolnik<sup>28</sup>, Dian Spear<sup>29</sup>, Damon Stanwell-Smith<sup>3</sup>, Simon N. Stuart<sup>1,10,30,31</sup>, Andy Sydes<sup>4</sup>, Megan Tierney<sup>1</sup>, Tristan D. Tyrrell<sup>1</sup>, Jean-Christophe Vie<sup>32</sup>, Reg Watson<sup>33</sup>

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



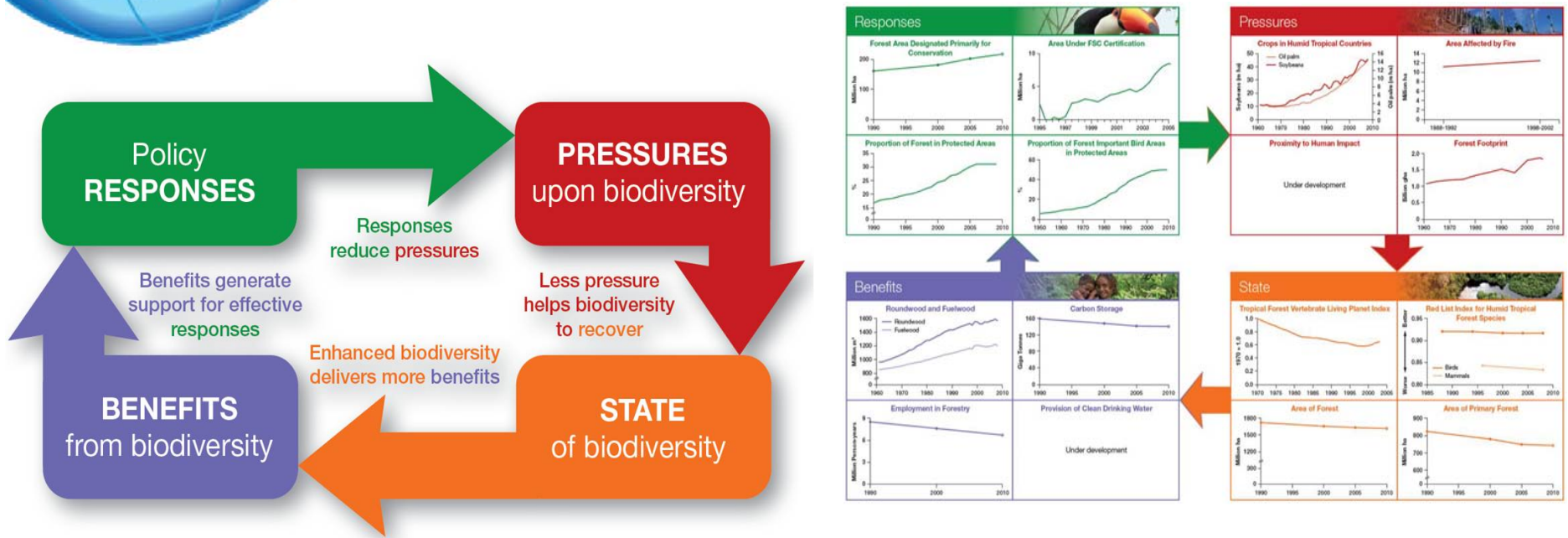
Butchart et al (2010) *Science* 328: 1164-8







# Linked indicators



[www.bipindicators.net/linkedindicators](http://www.bipindicators.net/linkedindicators)

Sparks et al (2011) Linked indicator sets for addressing biodiversity loss, *Oryx*, **45(3)**: 411–419

[http://journals.cambridge.org/repo\\_A83hbE1D](http://journals.cambridge.org/repo_A83hbE1D)

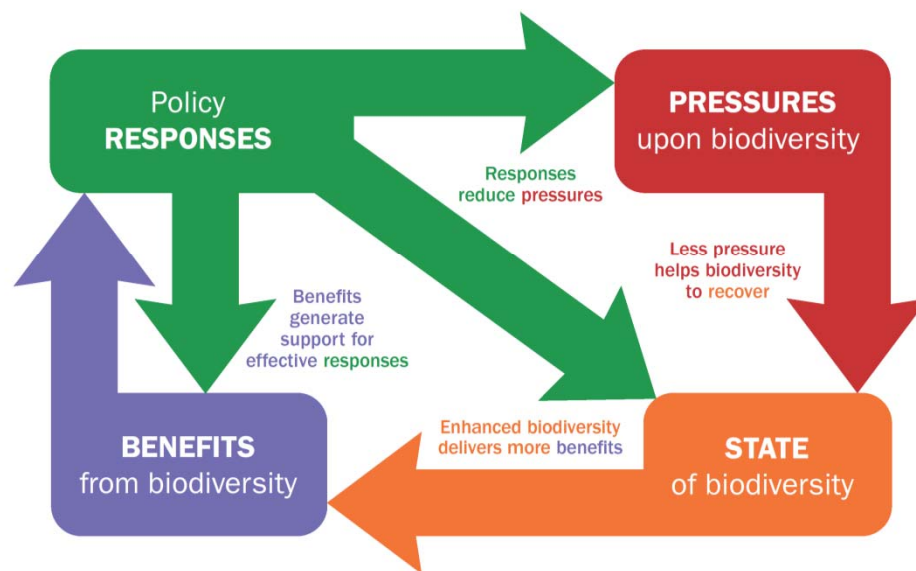


# CBD Conceptual framework

## Pressure-State-Benefits-Response Framework

*What do we do about biodiversity loss?*

*What are the implications of biodiversity loss?*



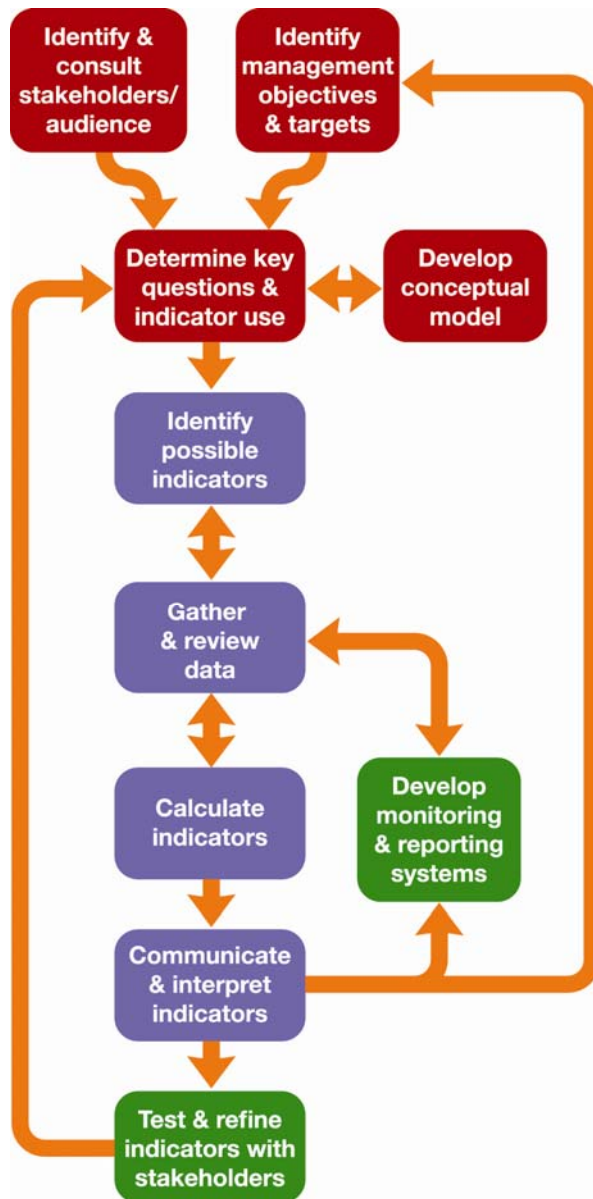
*Why are we losing biodiversity?*

*How is the status of biodiversity changing?*



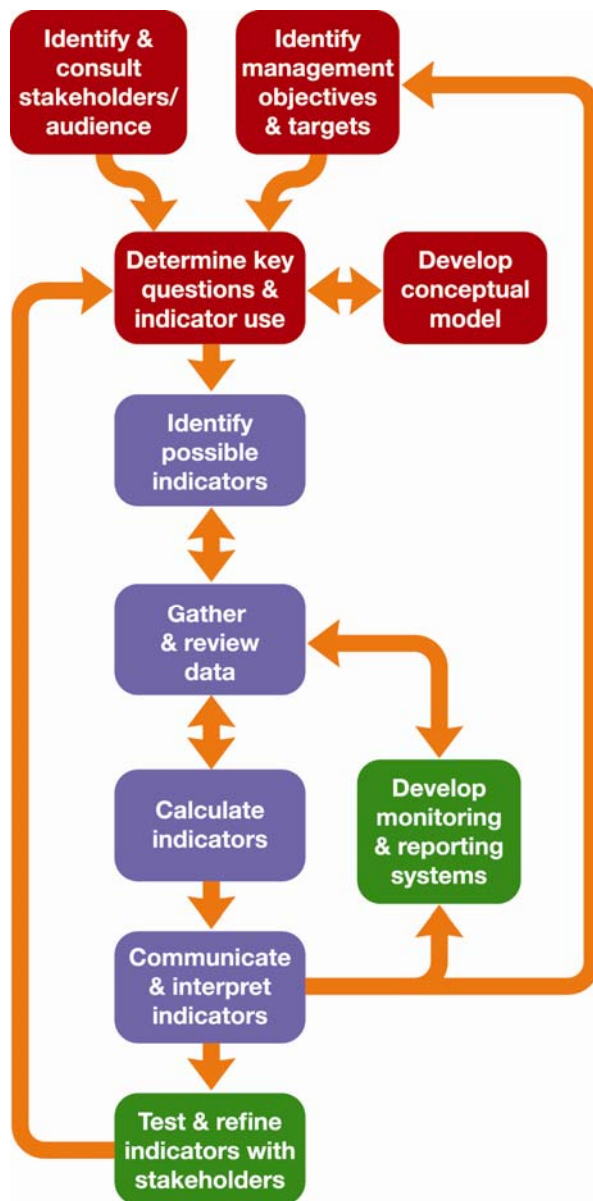






## BIP GEF outcome 2006...

*“National governments and regional organizations using and contributing to the improved delivery of global indicators”*

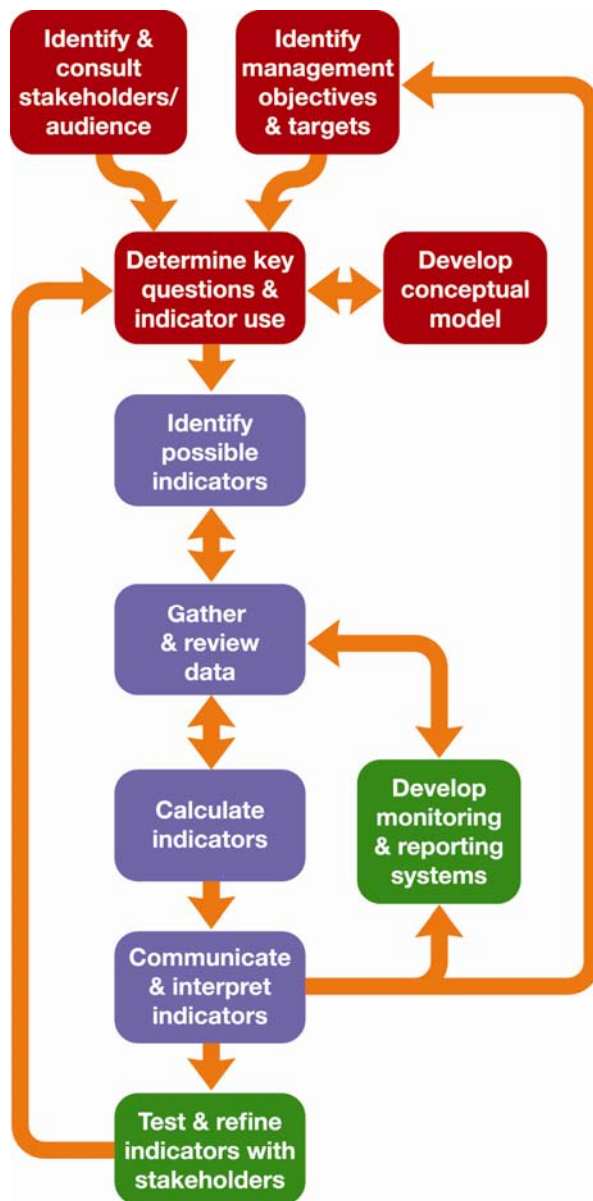


~~“National governments and regional organizations using and contributing to the improved delivery of global indicators”~~

***“National governments developing and using indicators relevant to national priorities”***

## Capacity building in 76 Countries

South East Asia  
 South Asia  
 Caribbean  
 Latin America  
 Eastern Africa  
 Southern Africa



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

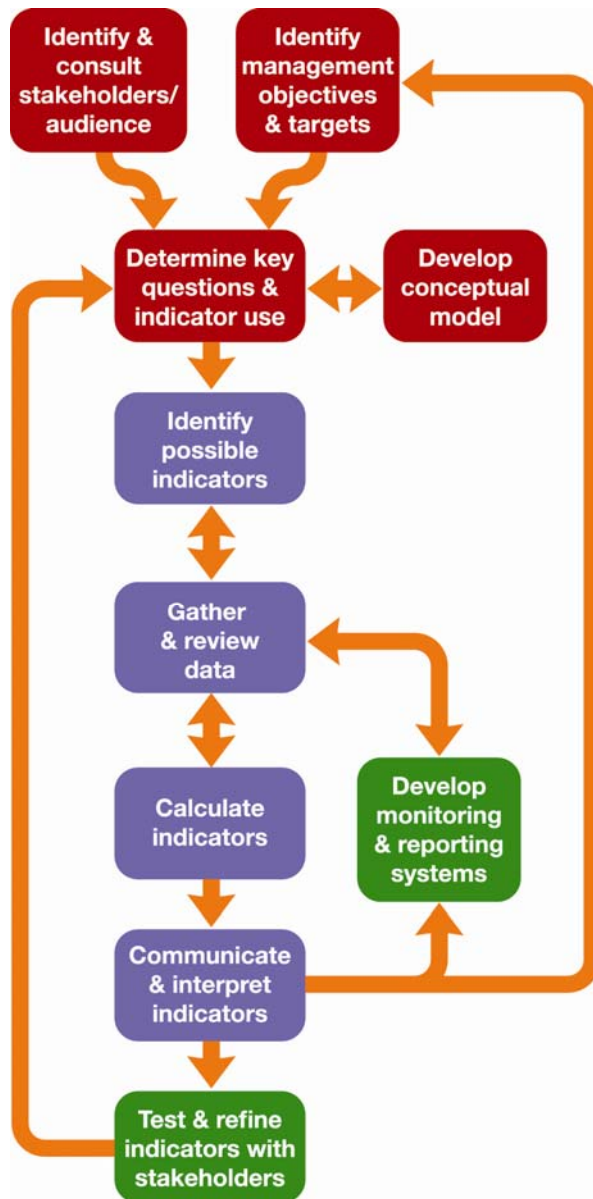
**“National governments developing and using indicators relevant to national priorities”**

## Capacity building in 90 Countries

South East Asia  
 Arab gulf states  
 Central Africa  
 South Asia  
 Southern Africa

Eastern Europe  
 Latin America  
 Caribbean  
 Eastern Africa

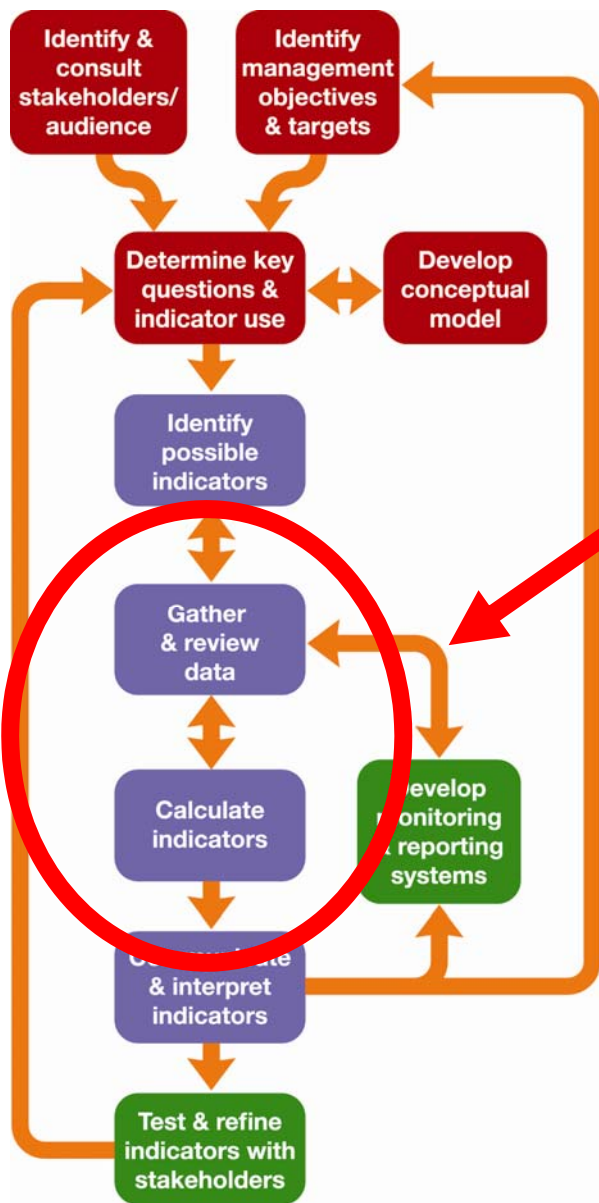




**Purpose**

**Production**

**Permanence**

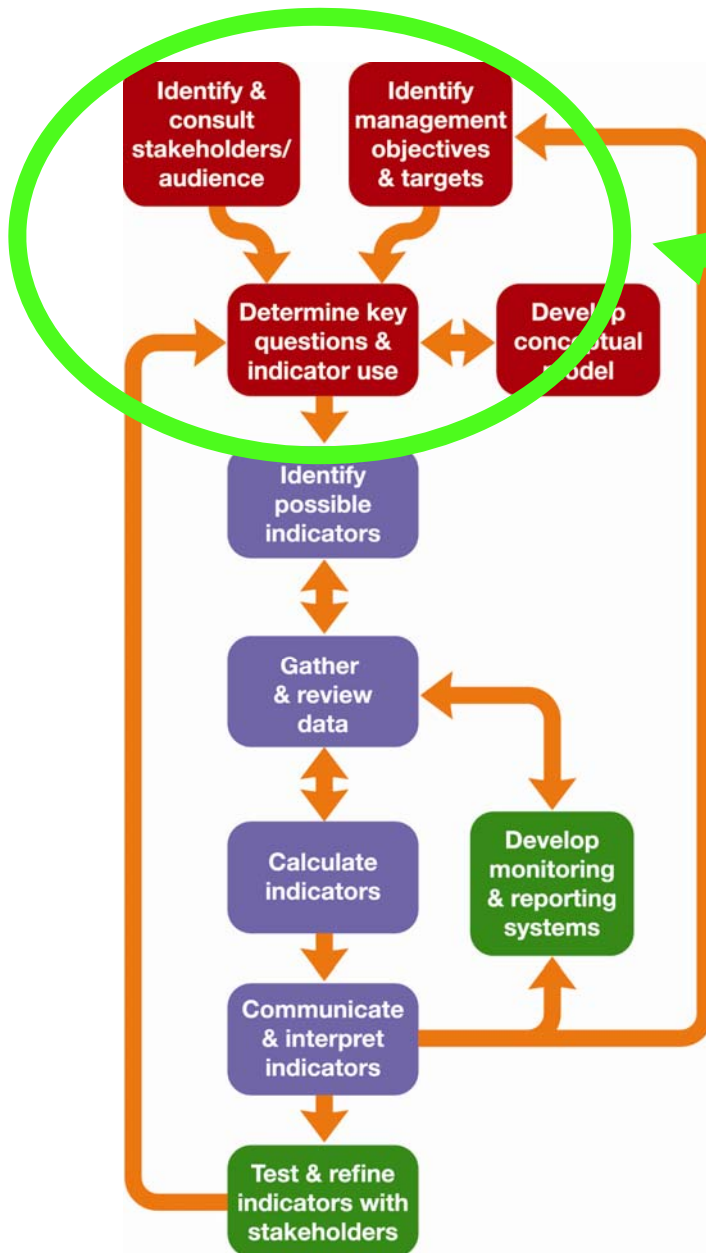


**Purpose**

**Common start point**

**Production**

**Permanence**



**Purpose**

~~Common start point~~  
 Found to be a more  
 successful start point

**Production**

**Permanence**







# web tools / information

The collage displays various web tools and information from the BIP website, including a grid of goals and targets, a search interface for indicators, a flow diagram of the DPSIR model, and a list of indicators with their corresponding status and values.

[www.bipnational.net](http://www.bipnational.net)

[www.bipindicators.net](http://www.bipindicators.net)

The screenshot shows the Biodiversity Indicators Partnership (BIP) National Biodiversity Indicators Portal. The page features a header with the BIP logo and navigation links. Below the header, there is a main banner with images of various species and a headline: "Supporting biodiversity indicators for regional and national use". The page also includes a "Welcome" section and a "New Publications" section.

The screenshot shows the Biodiversity Indicators Partnership (BIP) website. The page features a header with the BIP logo and navigation links. Below the header, there is a main banner with the headline: "Tracking Global Biodiversity". The page also includes a "News" section with a headline: "BIP launches a new indicator search facility" and a "National Indicator Development" section.