



Alianza sobre Indicadores de Biodiversidad

www.bipindicators.net

info@bipindicators.net





Alianza sobre Indicadores de Biodiversidad (BIP)

- Colaboración bajo el mandato del CDB

- Más de 40 organizaciones a nivel mundial

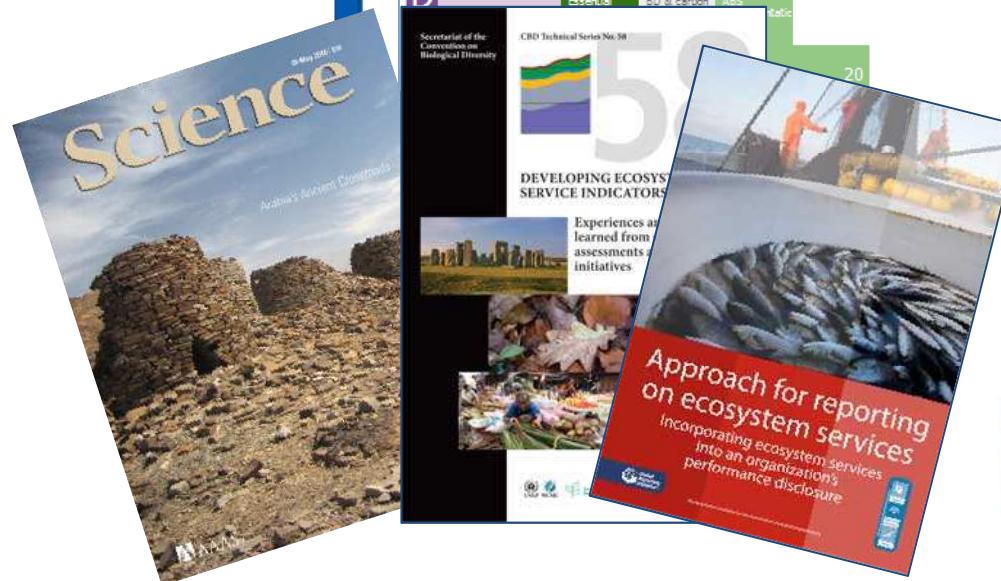
- Secretaría con sede en UNEP-WCMC





El sitio web del BIP– www.bipindicators.net

- Información sobre los socios del BIP y sobre los indicadores mundiales
- Publicaciones y recursos mundiales





El sitio web del BIP– www.bipindicators.net

- Antecedente del BIP y de los indicadores de biodiversidad
- Colección amplia de recursos





El sitio web del BIP– www.bipindicators.net

- Perfiles de **iniciativas regionales y nacionales** - comparten sus iniciativas sobre los indicadores y aprendan de las experiencias de los otros
- Un juego de **herramientas** para los desarrolladores de indicadores

The screenshot displays the homepage of the National Biodiversity Indicators Portal (www.bipindicators.net). The top navigation bar includes links for Home, About, Biodiversity Indicators, Indicator Initiatives, Get Involved, E-Learning, and Indicator Toolkit. Below the navigation is a banner titled "Indicator Initiatives" featuring five small images of people in various environmental settings. The main content area has two columns. The left column is titled "Featured Profile: Botswana" and describes the Botswana Environmental Information System as an initiative for efficient data storage, manipulation, viewing, questioning, interpreting, and understanding of environmental performance. The right column is titled "National and Regional Indicator Initiatives" and states there are numerous such initiatives worldwide. It encourages users to select an initiative to learn about its establishment, indicators used, and lessons learned. At the bottom of the page, there's a "Indicator Toolkit" section with icons for workshops, e-learning, helpdesk contact, global practitioner connections, and other resources. A sidebar on the right shows a world map.

National Biodiversity Indicators Portal

Indicator Initiatives

Home | About | Biodiversity Indicators | Indicator Initiatives | Get Involved | E-Learning | Indicator Toolkit

Featured Profile: Botswana

Botswana's Environmental Information System is an initiative aiming to enable efficient data storage, manipulation, viewing, questioning, interpreting and understanding of environmental performance in the pursuit of sustainable

National and Regional Indicator Initiatives

There are a number of regional, national and sub-national biodiversity indicator initiatives in existence.

Select an initiative from the lists below to find information on how it was established, how the indicators were selected, what indicators they use and lots more. There is even access to a questionnaire completed by the initiative focal points detailing lessons learned from their experiences and useful words of advice to Nations and Regions looking to develop their own biodiversity indicators.

National Biodiversity Indicators Portal

Indicator Toolkit

Home | About | Biodiversity Indicators | Indicator Initiatives | Get Involved | E-Learning | Indicator Toolkit

Find out about upcoming BIP workshops and events in your region

Take the BIP E-learning module

Contact the Helpdesk

Connect with other indicator practitioners from around the world

Browse examples of other countries' indicators and indicator-related reports

Access the BIP guidance documents and fact sheets

See which indicators are already produced globally and could be used for

Find a 'Biodiversity Indicator Development Facilitator' in your region

bip

Biodiversity Indicators Partnership



El sitio web del BIP— www.bipindicators.net

- Módulo de aprendizaje en línea
- “Desarrollar los indicadores de biodiversidad”
- Disponible en
www.conservationtraining.org

The screenshot shows the ConservationTraining website. At the top, there's a navigation bar with links for Course Catalog, Community, Get Help, and About Us. Below that is a login form with fields for Username and Password, and links for Create new account and Lost password? There's also a Global search bar and a link to Moodle. To the right, a large banner for the 'DEVELOPING BIODIVERSITY INDICATORS' course is displayed, featuring the BIP logo and text about the course being developed by the Biodiversity Indicators Partnership. Below the banner, there's a 'Welcome' section with a brief introduction and a 'Course Categories' section showing thumbnails for GIS, Climate, and Protected Areas.



This is a screenshot from the module. At the top, it says 'Introduction, Key Concepts and Definitions'. Below that is a section titled 'How are indicators used?'. It contains a bulleted list of how indicators can be used: measuring progress, supporting decision-making, acting as early warning systems, raising awareness, and providing interfaces between policy and science. To the right, there's a small illustration of a person presenting a chart to others. At the bottom, there are 'Image Credit' and 'Page 6 of 15' links.





El sitio web del BIP— www.bipindicators.net

- **Foro en línea sobre los indicadores**
 - Busquen y ofrezcan apoyo al desarrollo de indicadores de biodiversidad
 - Establezcan relación con otros profesionales de todas partes del mundo
 - comparten experiencias y lecciones aprendidas

The screenshot shows the BIP National Forums homepage. At the top, there's a navigation bar with links for 'What's New', 'Forum' (which is highlighted), 'New Posts', 'Private Messages', 'FAQ', 'Calendar', 'Community', 'Forum Actions', and 'Quick Links'. Below the navigation is a search bar and a link to 'Advanced Search'. The main content area is titled 'Forum' and 'BIP National Forums'. It features three forum categories listed vertically:

- Biodiversity Indicator Forum**: A forum for indicator developers and practitioners to share lessons and experience and to seek and offer support. It has 6 threads and 10 posts.
- Western Balkans Indicator Forum**: A closed space for practitioners from countries of the western Balkans. It has 1 thread and 1 post.
- Facilitators' Forum**: A space for the Biodiversity Indicator Facilitators to connect, share plans and ideas and to support one another in their work. It has 7 threads and 12 posts.

At the bottom of the page, there are sections for 'What's Going On' (listing currently active users) and 'BIP National Forums Statistics' (showing 15 threads, 24 posts, 56 members, and 1 active member). There's also an 'Icon Legend' for forum status icons.

www.bipindicators.net





Facilitadores para el desarrollo de indicadores de biodiversidad

- 20 'Facilitadores para el desarrollo de indicadores de biodiversidad' de todas partes del mundo
- Capacitado en los métodos y en las herramientas del BIP
- Disponibles para apoyar los países en el desarrollo de indicadores
- Datos personales en el sitio web del BIP

The screenshot shows the homepage of the National Biodiversity Indicators Portal. At the top, there's a navigation bar with links for Home, About, Biodiversity Indicators, Indicator Initiatives, Get Involved, Indicator Facilitators, Training, Indicator Forum, and Resources. Below the navigation, there's a section titled 'Biodiversity Indicators Facilitators' with a note about the BIP launching 22 Biodiversity Indicators Facilitators from around the world to support developing indicators as part of NBSAP updating and implementation. The facilitators are available to assist in the design and delivery of indicator training and meetings, sharing guidance materials developed and tested by the BIP. If you are organising indicator-related workshops or would like support from one of the facilitators, or have specific questions, please feel free to contact them below, or e-mail us.

Below this, there are sections for Africa, Latin America and the Caribbean, West Asia, Europe, South and South East Asia, and Pacific. Under each region, there are profiles of individual facilitators with their names, countries, organizations, positions, telephone numbers, and email addresses.

Region	Name	Country	Organization	Position	Telephone number	Email
Africa	Abiel Berhanu Wasse	Ethiopia	Institute of Biodiversity Conservation	Director, Public Relations and Communications	+251 911 420725	abiel.abiy@gmail.com
Africa	Aggrey Rweyale	Uganda	Uganda Wildlife Authority	Senior Monitoring and Research Coordinator	+256 772 499735	aggrey.rweyale@uganda-wildlife.org
Africa	Heather Terpion	South Africa	South African National Biodiversity Institute (SANBI)	National Biodiversity Monitoring Coordinator	+27 11 792 3792	heather.terpion@sanbi.ac.za
Africa	Ingrid Mpundu Otolukile	Bolivia	Department of Environmental Affairs	Chief Natural Resources Officer	+267 39942039	ingrid.otolukile@moef.gov.bw
Africa	Taw Gwei Owusu	Ghana	Conservation Alliance	Country Director	+233 244 277 793	taw.gwei.owusu@conservation-alliance.org
Latin America and the Caribbean	Desiré Zapata Pernío	Bolivia	Fundación de la Cordillera (FNC)	Consultant	(091 2) 2411123	desire.zapata@fnc.org
Latin America and the Caribbean	Joe Manuel More	Honduras				



¿Qué es un indicador?

“una medida basada en datos verificables que transmite información mas allá de sí mismo”.

Los indicadores están subordinados al propósito...

La interpretación o el significado que se atribuye a los datos depende del propósito o del tema de interés.



2 types of Indicators and NBSAPs

Impact indicators – *for measuring progress towards a target*

E.g. Target - By 2020 at least 500km² of degraded forest land has reforested

Impact indicator: Area of degraded forest land reforested



2 types of Indicators and NBSAPs

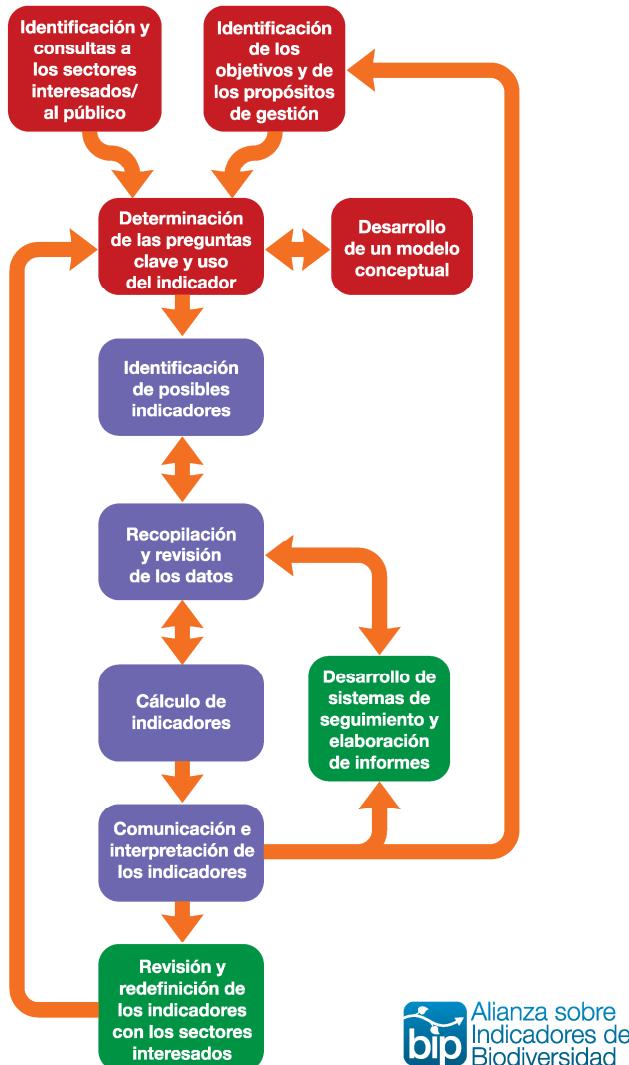
Implementation indicators (performance indicators) – for monitoring the implementation of actions in the NBSAP.

E.g. Action – Establish 2 new protected areas in forest regions

Implementation indicator: number of protected areas established in forest regions.



El Marco para el Desarrollo de Indicadores



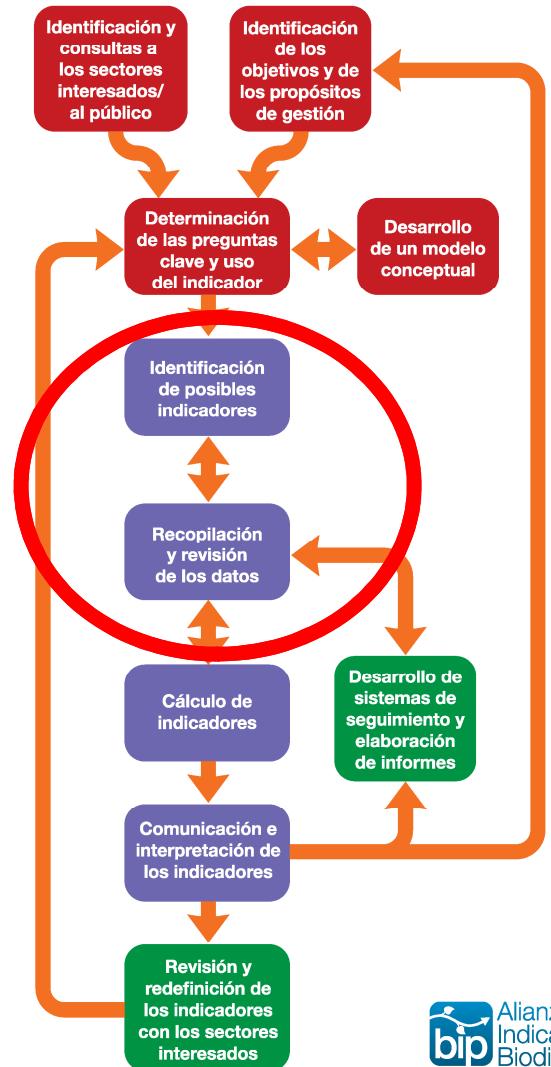
Propósito

Producción

Permanencia



El Marco para el Desarrollo de Indicadores



Punto de partida que se usa comúnmente



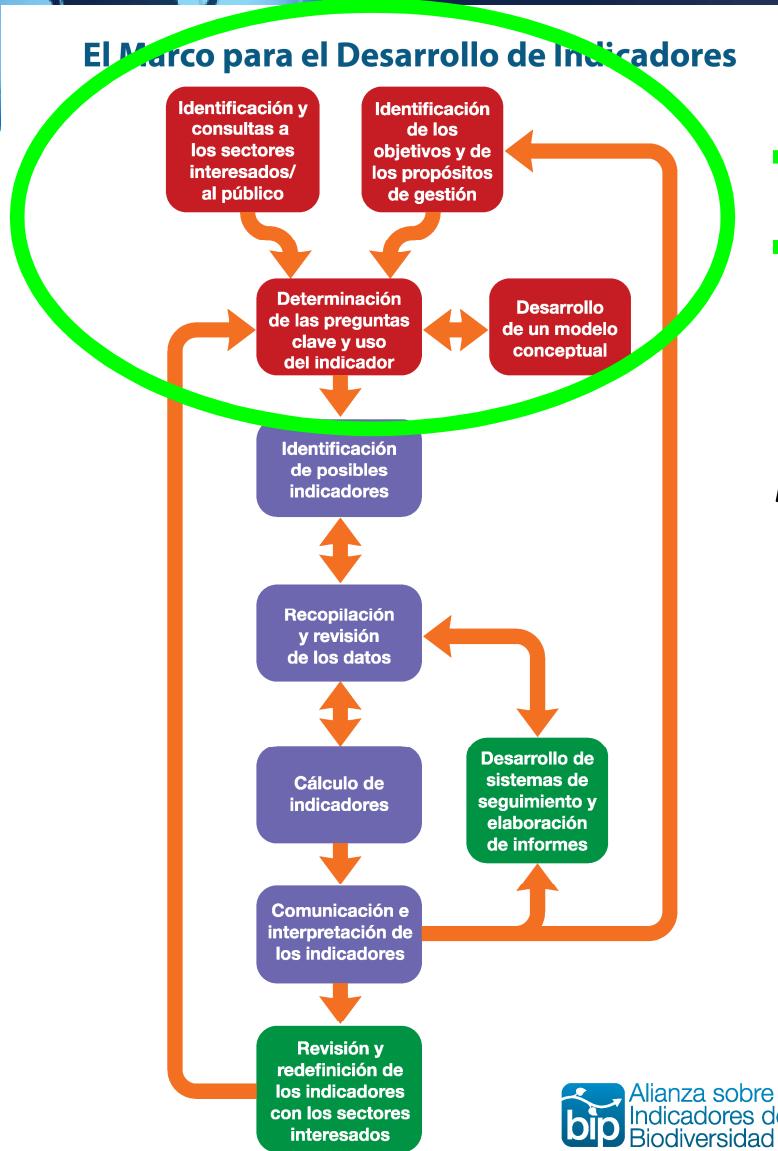
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Biodiversity
Indicators
Partnership

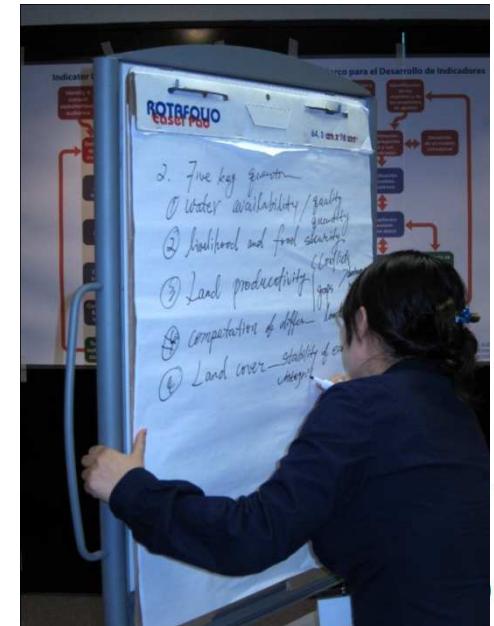


El Marco para el Desarrollo de Indicadores

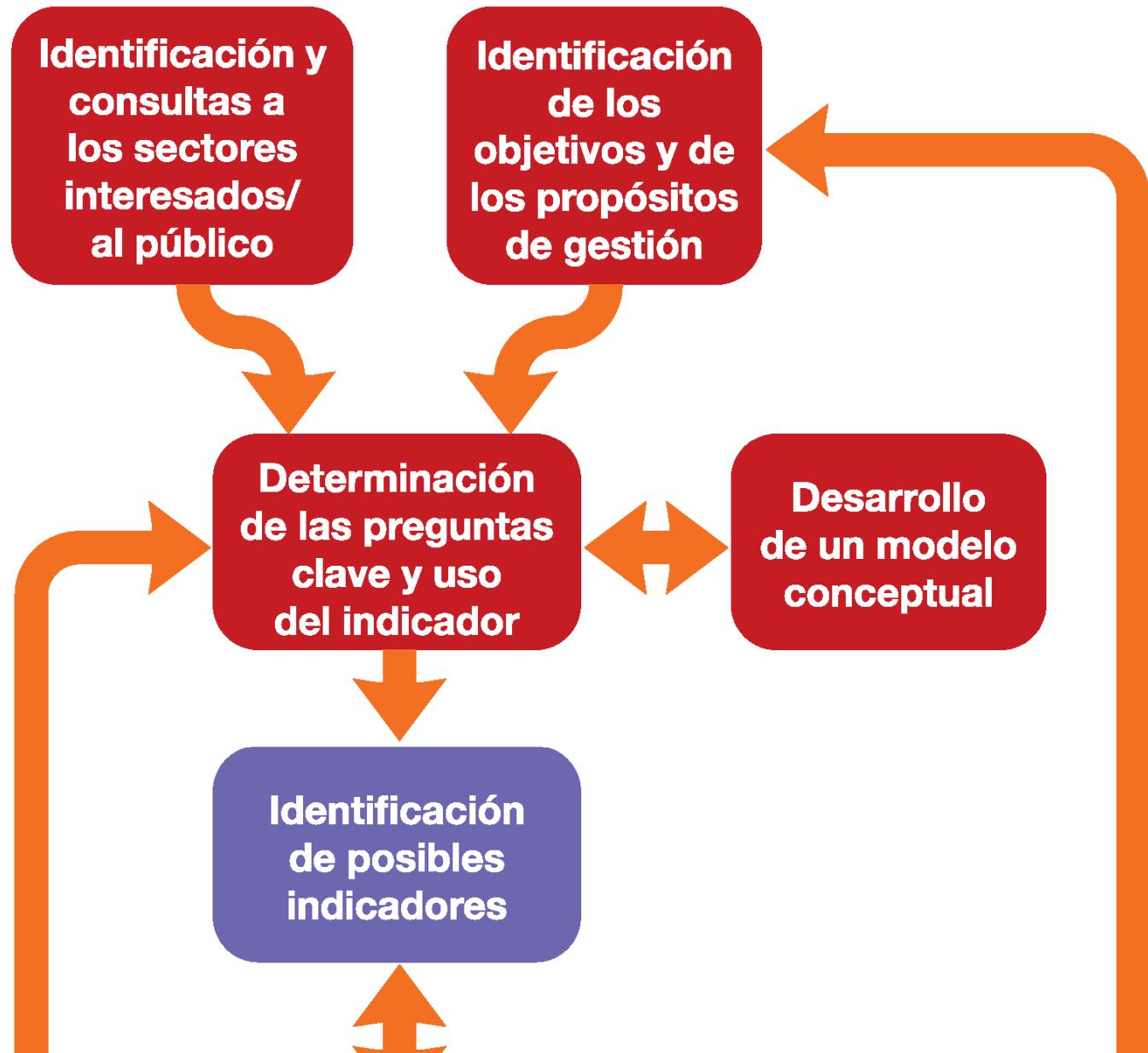


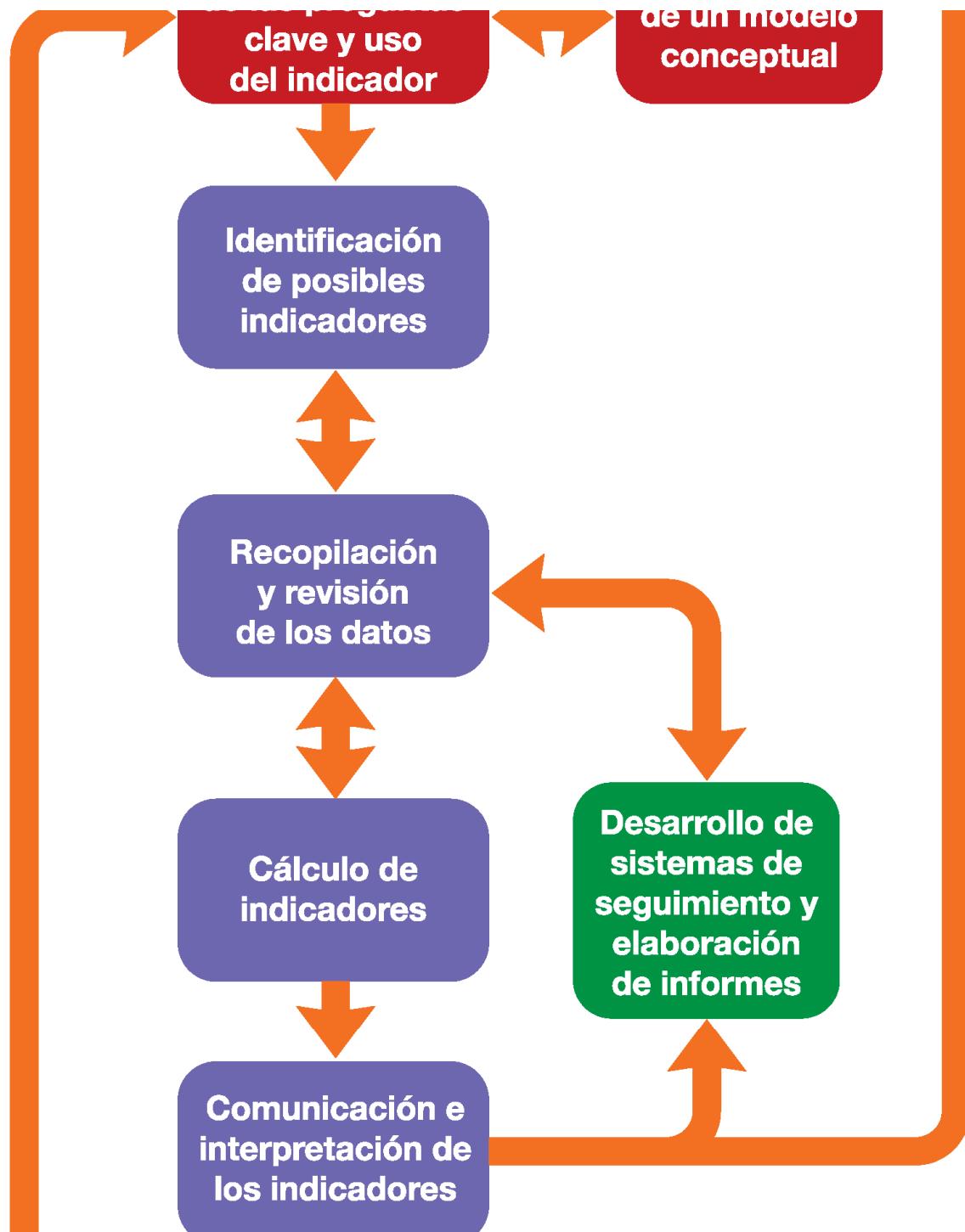
Punto de partida que se usa comúnmente

Este resultó ser un punto de partida mas exitoso



El Marco para el Desarrollo de Indicadores







Alianza sobre
Indicadores de
Biodiversidad

bip

2010 Biodiversity Indicators Partnership

Guidance for National Biodiversity Indicator Development and Use

What is an indicator?

For the purpose of this guidance we define an indicator as: "a measure based on verifiable data that conveys information about more than itself". Examples of indicators from subjects other than biodiversity are a person's body temperature as an indicator of his or her health, or the level of unemployment as an indicator of the economic well-being of a country or the well-being of its population. In some cases information from several different measures or data sets can be combined to form an index, such as the Consumer Price Index which indicates the inflation rate of a national economy.

Biodiversity indicators can range from simple measures or more complex indices. For example, population estimates of the large cat species in a country could be a relatively simple indicator of the integrity or health of terrestrial ecosystems. The Marine Trophic Index can be an indicator or part of the integrity of marine ecosystems and the health of its population. And their average energy level (such as herbivores and carnivores) in the food web.

The general term 'biodiversity indicators' as used in this document and by the Convention on Biological Diversity (CBD) covers more than direct measures of biodiversity itself, such as species populations and extent of ecosystems. It also covers actions to protect biodiversity conservation and sustainable use, such as the creation of protected areas and regulation of the harvesting of species, and pressures or threats to biodiversity such as habitat loss.

Since indicators are measures of something, they can usually be presented in a numerical or quantitative form. A line graph is perhaps the most common form of presentation, but other forms such as a pie chart or map may sometimes be clearer and have greater impact.

Figure 1. Forest area estimations for Brazil, 1990 - 2010*

Year	Area of Forest Plantations (Millions of Hectares)	Area of Natural Forest (Millions of Hectares)
1990	~10	~570,000
1995	~10	~540,000
2000	~10	~510,000
2005	~10	~480,000
2010	~10	~450,000

* FAO. 2009. Global Forest Resources Assessment 2010: Brazil Country Report. <http://www.fao.org/forestry/20262-1-206.pdf>

Figure 2. Costa Rica Forest Cover, 1940-2005*

References

- FAO. 2009. Global Forest Resources Assessment 2010: Brazil Country Report. <http://www.fao.org/forestry/20262-1-206.pdf>
- UNEP/GRID-Arendal, 2009. Change Forest Cover Costa Rica. UNEP/GRID-Arendal Maps and Graphics Library, <http://maps.grid.unep.org/graphic/change-forest-cover-costa-rica>

2010 Biodiversity Indicators Partnership

The Biodiversity Indicator Development Framework

Purpose – actions needed for selecting successful indicators

Production – essential to generate indicators

Permanence – mechanisms for ensuring indicator continued relevance

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

For more information about the framework and national biodiversity indicator development visit the National Biodiversity Indicators Portal: www.bipnational.net

Contents

Section 1: Biodiversity Indicator Development Framework

- Key messages for developing and using biodiversity indicators
- Introduction
- What is an indicator?
- Who uses biodiversity indicators?
- Uses of indicators
- What is a successful indicator?

Section 2: Developing and using indicators

- Identify and consult stakeholders and the target audience
- Identify management objectives and targets
- Determine key questions and indicator use
- Develop a conceptual model
- Identify possible indicators
- Gather and review data
- Calculate indicators
- Communicate and interpret indicators
- Test and refine the indicators with stakeholders
- Develop monitoring and reporting systems

Annexes

- Annex 1: Indicator Development Fact Sheet: outline
- Annex 2: Indicator Development Fact Sheet: completed example

Further Information

This guidance document is one of a series produced with the support of the 2010 Biodiversity Indicators Partnership (2010 BIP) as part of its 'global indicator' component. The ideas and experience reported in the guidance document were developed through a series of workshops for Africa, Asia, the Caribbean, Central America, and eastern and southern Africa. The workshops were organized by the 2010 BIP Secretariat in collaboration with the GEF funded 2010 BIP. The workshops in Africa are supported by UNEP-WCMC and the GEF. The workshops in Asia are supported by Much of the thinking on biodiversity indicator development presented here was first developed through a GEF project from 2002 to 2005 called 'Biodiversity Indicators for Asia, Latin America, the Philippines and Indonesia' (BIALPI).

Authors

This document has been co-authored by staff and advisors of UNEP-WCMC, Philip Dinerstein, Anne Cheung, Damon Bramell-Smith, Val Kapasi and Martin Jenkins.

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