



CBD COP 11
Hyderabad, India
CEPA SIDE EVENT

SUSTAINING CORAL COMMUNITIES:

Sustainable and climate resilient future through
the first UNESCO Biosphere Reserve in Maldives

**International Outlook on Island
and Coastal Biosphere Reserves**

Ram Boojh, UNESCO Office in New Delhi

- The Baa Atoll Biosphere Reserve – an area of natural excellence for its unique harmony between man and nature part of illustrious list of international Biosphere Reserves including: the Central Amazon (Brazil), Galapagos Islands (Ecuador), Niagara Escarpment (Canada) and Yellowstone National Park (United States) , Ayer’s Rock in Australia, the Pantanal wetlands of Brazil, the Sundarbans of India, and the Amboseli National Park in Kenya
- At the 40th anniversary of UNESCO’s Man and the Biosphere Programme in Dresden, Germany in June 2011, UNESCO recognised the Baa Atoll’s “great potential for demonstrating sustainable development throughout the Maldives and the region, while relying on a green economy.”

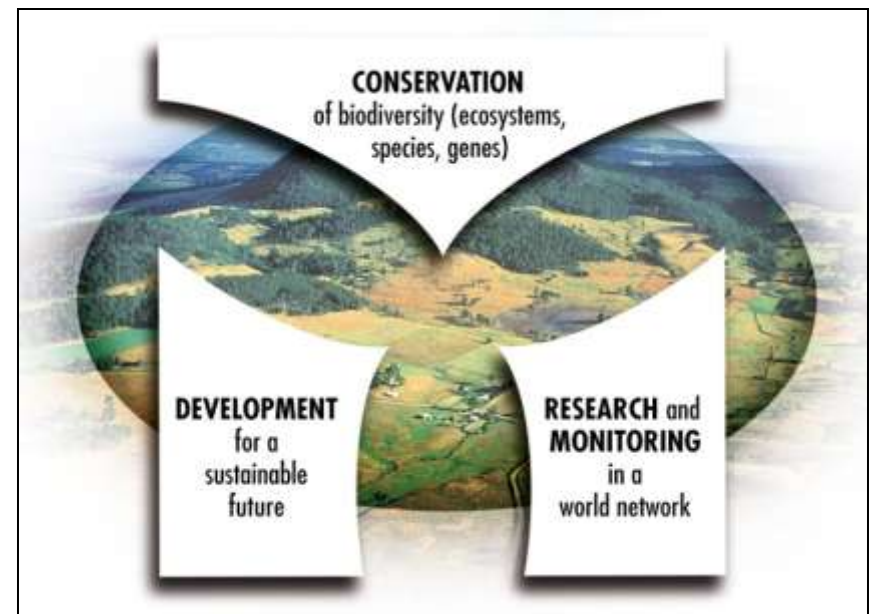
MAN AND THE BIOSPHERE PROGRAMME (MAB)

Evolved to address
environment and development
conflict

Ecosystem approach for
integrated management of land,
water and biodiversity

India has 19 Biosphere
Reserves 8 are under the World
Network- **580 sites in 114
countries.**

**MAB thrust is on scientific capacity
building, research on biodiversity
and ecological processes, and
promoting the World Network of
Biosphere Reserves.**

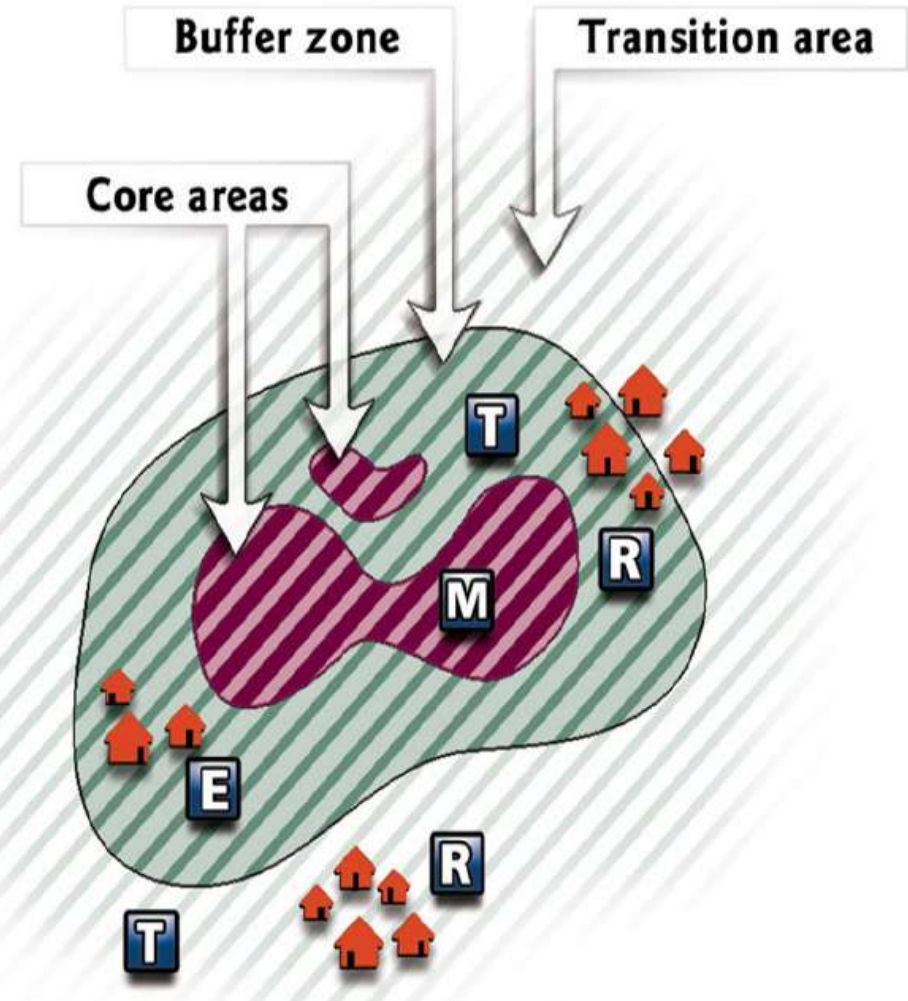


Global Cooperation Sites

Sites for conservation linked
sustainable development

40t Anniversary thrust Dresden
declaration

For Life for the Future:
Biosphere Reserves and Cmate
Change



World Network of Biosphere Reserves-

580 sites in 114 countries



Zonation pattern of a biosphere reserve-each zone has a specific function

- **Core area (or areas):** strictly protected according to pre-established conservation objectives
- **Buffer zone (or zones):** activities compatible with conservation objectives can take place.
- **Transition Area:** loosely defined area encircles core and buffer areas and here cooperation with the local population and sustainable resource management practices are developed



Red Mundial de Reservas de Biosfera 2010
 564 sites en 109 países (2010)

World Network of Biosphere Reserves 2010
 564 sites in 109 countries (2010)

Réseau mondial de réserves de biosphère 2010
 564 sites dans 109 pays (2010)

Red Mundial de Reservas de Biosfera 2010

World Network of Biosphere Reserves 2010

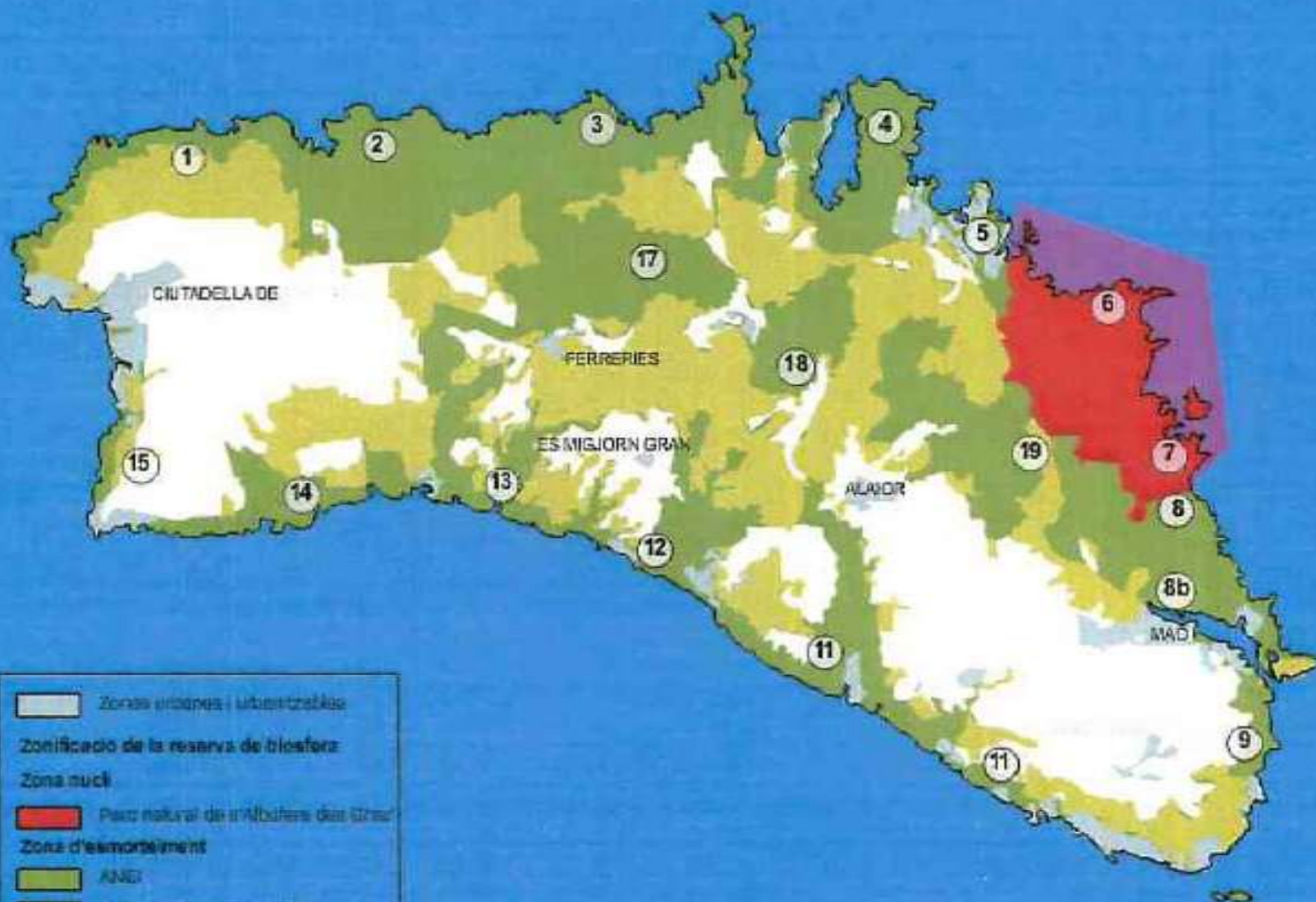
Réseau mondial de réserves de biosphère 2010



Country	Number of Reserves	Total Area (km²)	Terrestrial Area (km²)	Aquatic Area (km²)
Algeria	1	1,000,000	1,000,000	0
Argentina	1	1,000,000	1,000,000	0
Australia	1	1,000,000	1,000,000	0
Austria	1	1,000,000	1,000,000	0
Bahamas	1	1,000,000	0	1,000,000
Bahrain	1	1,000,000	1,000,000	0
Bangladesh	1	1,000,000	1,000,000	0
Barbados	1	1,000,000	1,000,000	0
Belize	1	1,000,000	1,000,000	0
Bhutan	1	1,000,000	1,000,000	0
Bolivia	1	1,000,000	1,000,000	0
Brazil	1	1,000,000	1,000,000	0
Bulgaria	1	1,000,000	1,000,000	0
Canada	1	1,000,000	1,000,000	0
Chad	1	1,000,000	1,000,000	0
Chile	1	1,000,000	1,000,000	0
China	1	1,000,000	1,000,000	0
Colombia	1	1,000,000	1,000,000	0
Costa Rica	1	1,000,000	1,000,000	0
Cuba	1	1,000,000	1,000,000	0
Cyprus	1	1,000,000	1,000,000	0
Czechia	1	1,000,000	1,000,000	0
Dominican Republic	1	1,000,000	1,000,000	0
Ecuador	1	1,000,000	1,000,000	0
Egypt	1	1,000,000	1,000,000	0
El Salvador	1	1,000,000	1,000,000	0
France	1	1,000,000	1,000,000	0
Germany	1	1,000,000	1,000,000	0
Ghana	1	1,000,000	1,000,000	0
Greece	1	1,000,000	1,000,000	0
Honduras	1	1,000,000	1,000,000	0
Hungary	1	1,000,000	1,000,000	0
India	1	1,000,000	1,000,000	0
Indonesia	1	1,000,000	1,000,000	0
Italy	1	1,000,000	1,000,000	0
Jamaica	1	1,000,000	1,000,000	0
Japan	1	1,000,000	1,000,000	0
Kazakhstan	1	1,000,000	1,000,000	0
Kenya	1	1,000,000	1,000,000	0
Korea	1	1,000,000	1,000,000	0
Kuwait	1	1,000,000	1,000,000	0
Laos	1	1,000,000	1,000,000	0
Latvia	1	1,000,000	1,000,000	0
Lebanon	1	1,000,000	1,000,000	0
Lesotho	1	1,000,000	1,000,000	0
Lithuania	1	1,000,000	1,000,000	0
Luxembourg	1	1,000,000	1,000,000	0
Macao	1	1,000,000	1,000,000	0
Madagascar	1	1,000,000	1,000,000	0
Mali	1	1,000,000	1,000,000	0
Mexico	1	1,000,000	1,000,000	0
Moldova	1	1,000,000	1,000,000	0
Morocco	1	1,000,000	1,000,000	0
Mozambique	1	1,000,000	1,000,000	0
Nepal	1	1,000,000	1,000,000	0
Netherlands	1	1,000,000	1,000,000	0
Nicaragua	1	1,000,000	1,000,000	0
Norway	1	1,000,000	1,000,000	0
Oman	1	1,000,000	1,000,000	0
Pakistan	1	1,000,000	1,000,000	0
Panama	1	1,000,000	1,000,000	0
Paraguay	1	1,000,000	1,000,000	0
Peru	1	1,000,000	1,000,000	0
Philippines	1	1,000,000	1,000,000	0
Poland	1	1,000,000	1,000,000	0
Portugal	1	1,000,000	1,000,000	0
Romania	1	1,000,000	1,000,000	0
Russia	1	1,000,000	1,000,000	0
Saudi Arabia	1	1,000,000	1,000,000	0
Senegal	1	1,000,000	1,000,000	0
Slovakia	1	1,000,000	1,000,000	0
Slovenia	1	1,000,000	1,000,000	0
Spain	1	1,000,000	1,000,000	0
Sweden	1	1,000,000	1,000,000	0
Switzerland	1	1,000,000	1,000,000	0
Taiwan	1	1,000,000	1,000,000	0
Tanzania	1	1,000,000	1,000,000	0
Togo	1	1,000,000	1,000,000	0
Turkey	1	1,000,000	1,000,000	0
Ukraine	1	1,000,000	1,000,000	0
United Kingdom	1	1,000,000	1,000,000	0
USA	1	1,000,000	1,000,000	0
Uzbekistan	1	1,000,000	1,000,000	0
Venezuela	1	1,000,000	1,000,000	0
Zambia	1	1,000,000	1,000,000	0
Zimbabwe	1	1,000,000	1,000,000	0

580 Biosphere Reserves in 114 countries (2012)



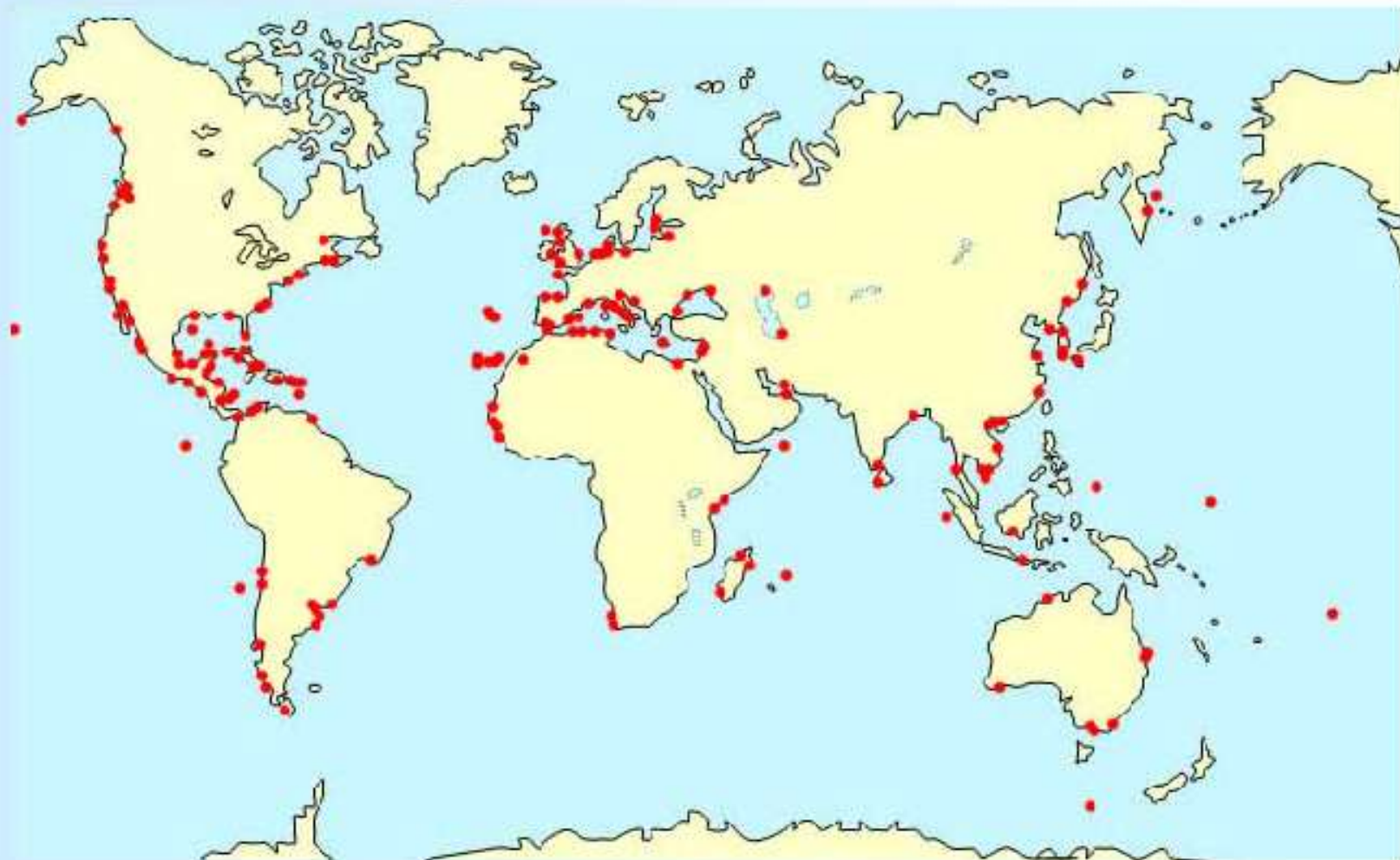


- Zones urbanes i urbanitzables
- Zonificació de la reserva de biosfera:
- Zona nucli
- Parc natural de s'Albufera des Grau
- Zona d'esmentament
- ANE
- Noves zones egona PTI
- Zona de transició
- Zona transició

Àrees naturals d'especial interès
 Passar el cursor per sobre els números



Coastal and island biosphere reserves





O v e r v i e w



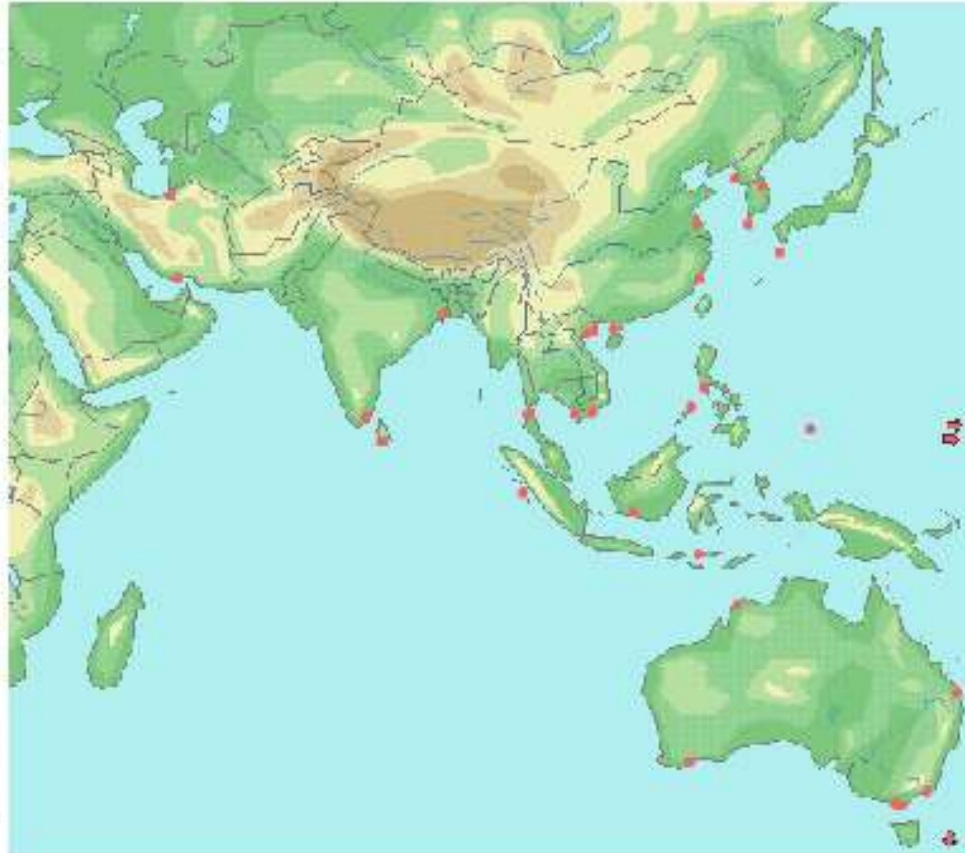
- 179 coastal and island biosphere reserves throughout the world in 64 countries
- 55 of them are small islands, part of small islands, reefs or coastal zones on Small Island Developing States
- 124 of them are on coastal zones which can also include very small islands closed to the coast
- Those biosphere reserves comprise very different characteristics which will be examined



A s i a



Palawan, Philippines & Jeju Island, Republic of Korea



And Abol Federal States of Micronesia & Noosa, Australia

Australia - China - Democratic People's Republic of Korea - Federal States of Micronesia - India - Indonesia - Islamic Republic of Iran - Japan - Maldives - Republic of Korea - Palau - Philippines - Sri Lanka - Thailand - Vietnam



A s i a



- 36 coastal and island biosphere reserves in 15 countries
- 22 are on coastal zones and 14 are on small islands
- Most of them are located in South-East Asia in Pacific Ocean and Indian Ocean
- Main common characteristics :
tropical humid forests and coastal wetlands, mangroves, coral reefs



United Nations Educational
Scientific and Cultural Organization

NATURAL SCIENCES SECTOR

Biosphere Reserves

Implementing the Madrid Action Plan for Biosphere Reserves 2008-2013:

The World Network of Island and Coastal Biosphere Reserve

Target 5: Enhanced cooperation between experts and practitioners in relevant key issues.

Activity 5.1: Create and strengthen existing regional and interregional Thematic Networks formed around key ecosystems, such as mountains, freshwater, oceans, drylands, forests, urban areas, small islands.

Time: 2010

Success Indicator: Number of networks and extent of regional and thematic coverage.

Responsibility for Action: MAB Secretariat, Regional and Thematic Networks, individual BRs, other institutions.

Partners: Diverse stakeholders at multiple scales.





United Nations Educational
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What is at stake?

Biosphere Reserves

World Network of Island and Coastal Biosphere Reserves

"A global network of island and coastal biosphere reserve with special reference to biodiversity conservation, protected areas and sustainable development".

Chronology of events:

- 10-11 February 2008 in Menorca, Spain
- 25-29 May 2009 in Jeju Island, RO Korea
- 1 - 3 September 2010 in Jeju Island, RO Korea
- 28 June- 1 July 2011, Dresden, Germany
- 13 - 16 February 2012 in Menorca, Spain



2008

2009



2010

The aims of this conference will be

- to examine "The Proposal of a Workplan for Menorca and Jeju as Headquarters of the World Network of Island and Coastal Biosphere Reserves for Sustainable Development and Climate Change".
- to discuss future plans and co-operation projects of island and coastal BR network, and to build co-operation system among Korea, Spain and UNESCO
- to prepare the next event of this network in Jeju Island, Korea, in September 2012,



2011