

Economic Valuation of Wetlands A guide to policy Makers

Teeb Workshop (the Economics of Ecosystem & Biodiversity for North Africa & Middle East Beirut-Lebanon :21-23/2/2012

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Background

In June 2009:

'Cairo Statement'

submit recommendations for the implementation of the Ramsar Convention in the Arab Region.

In November 2009:

CAMRE at their meeting in Marsa Alam, Egypt.

Cairo Statement formally approved

In June 2010:

Muscat action plan implement programs

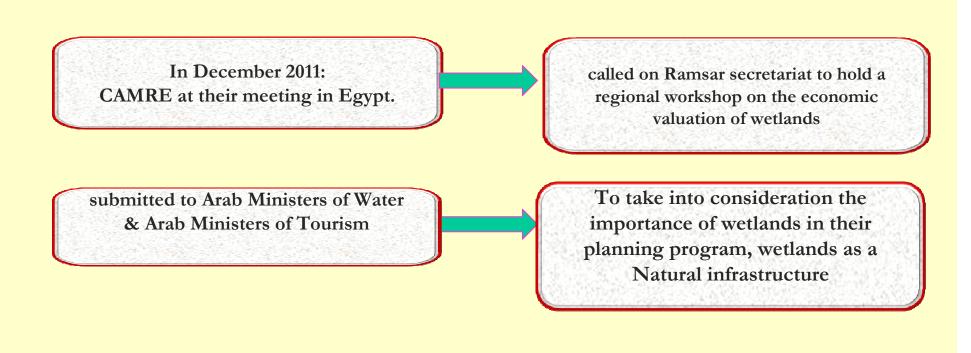
One of these programs was execution of the study on economic valuation of wetlands in Arab region.

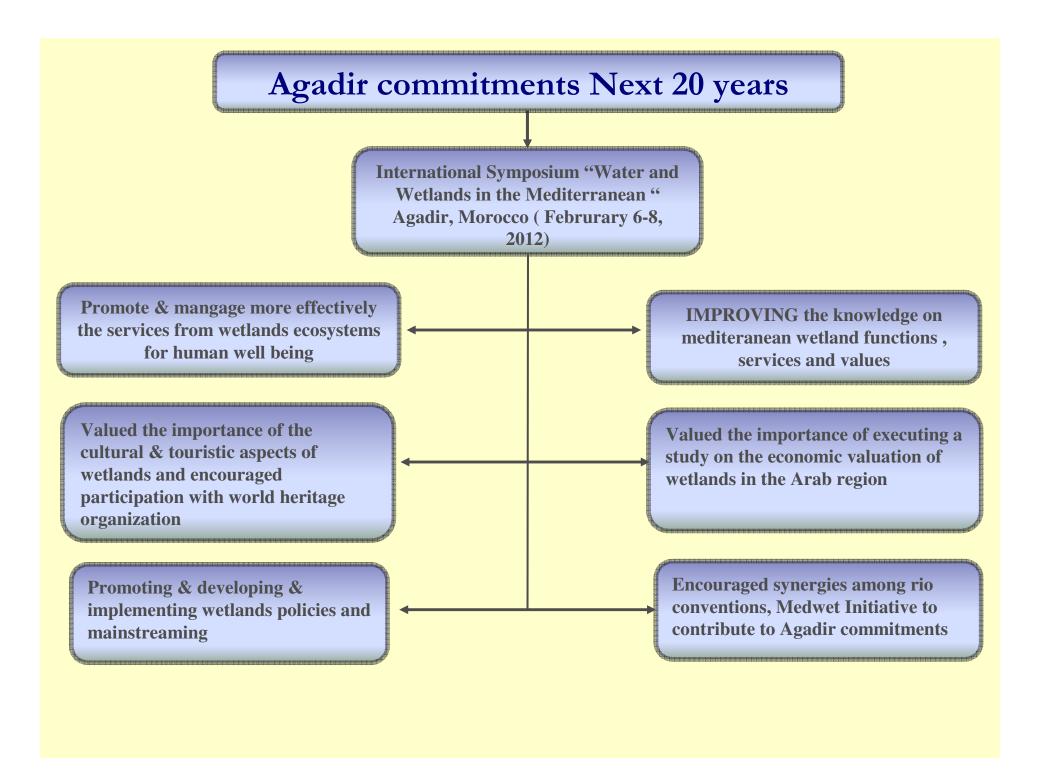
To consider sustainable use of Wetlands in tourism planning Schemes

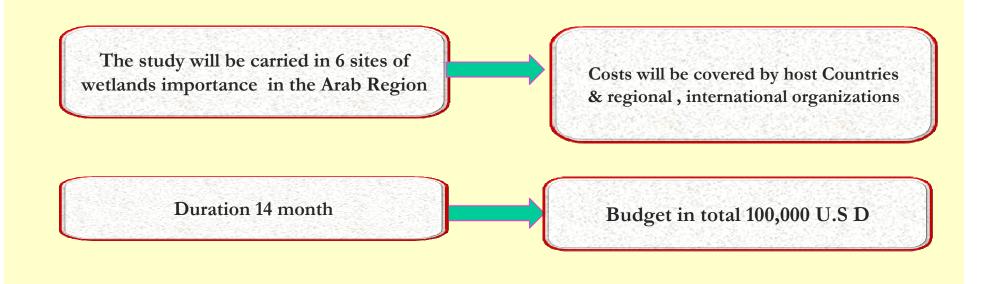
In December 2010:

CAMRE Approved the Arab regional Statement for Action on the 2020 biodiversity targets, funding Strategies &innovative Financial Mechanisms

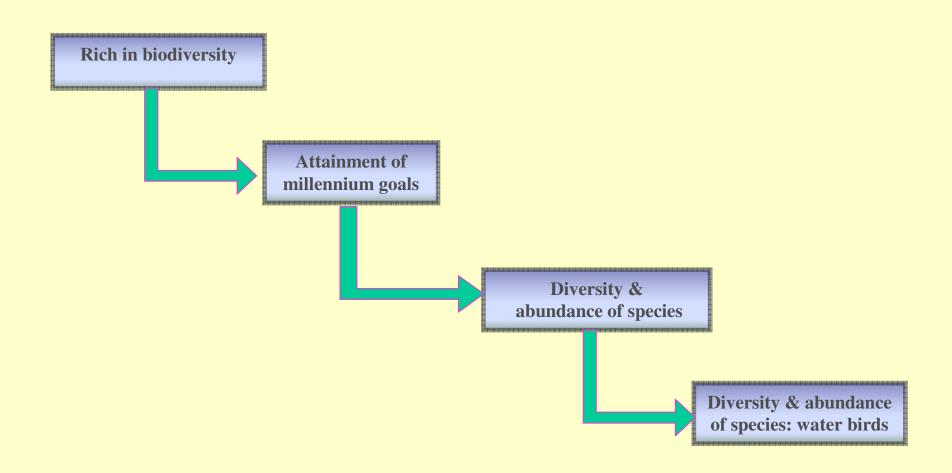
Inviting /UNEP/Teeb to undertake an Arab Teeb Initiative to evaluate the economic values of biodiversity & Ecosystem Services



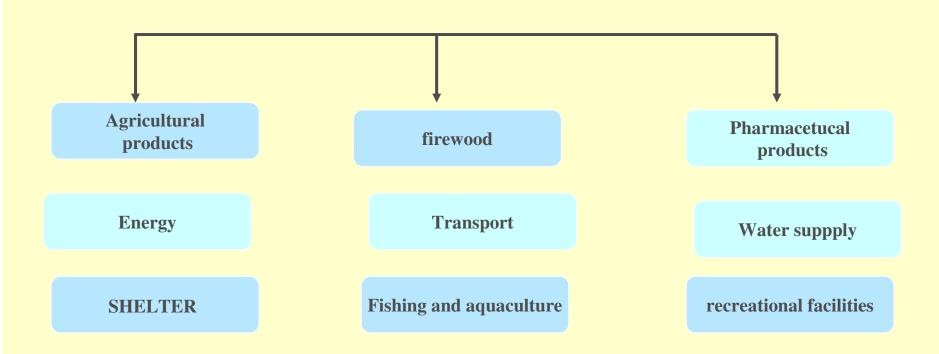




Why Wetlands



Direct values



Key findings

Theme & indicators	General trends	EU countries (except Bulgaria)	Countries influenced bu EU and OECD	Countries with no mandatory supra- national guidlimes
STATUS & TRENDS				
DIVERSITY & ABUNDANCE OF SPECIES	***	***	**	
DIVERSITY & ABUNDANCE OF SPECIES : WATER BIRDS	**	••	**	**
WHILANDS BIRDS AND Climate Change	**	**	**	**
WHILANDS BIRDS AND LAND- USE Change	**	**	**	**
RIVER FLOW	**	**	**	
WATER QUALITY (ONLY FOR NITRATES IN RIVER)	*	<	**	*
WHTLAND Starface area (Trend: 20th century)		**	**	
Impacts & benefits				
Role of wetlands in water supply	*	*	*	*
Role of wetlands in water purification	*	*	*	*
Role of wetlands in flood. & drought	*	*	*	*
Educational Staturistic role of wetlands	*	*	*	*
Responses				
Surface of Ramour wethends	**	**	**	**
Surface of rationally protected wetlands (trends refers only to Albania , Cyprus, Serbia)	*	**	**	*
Strategic efforts in wetbasels motention	***	**		
Wettards & wetlands & Millernium dev goals(trends 2005- 2010)	**		**	

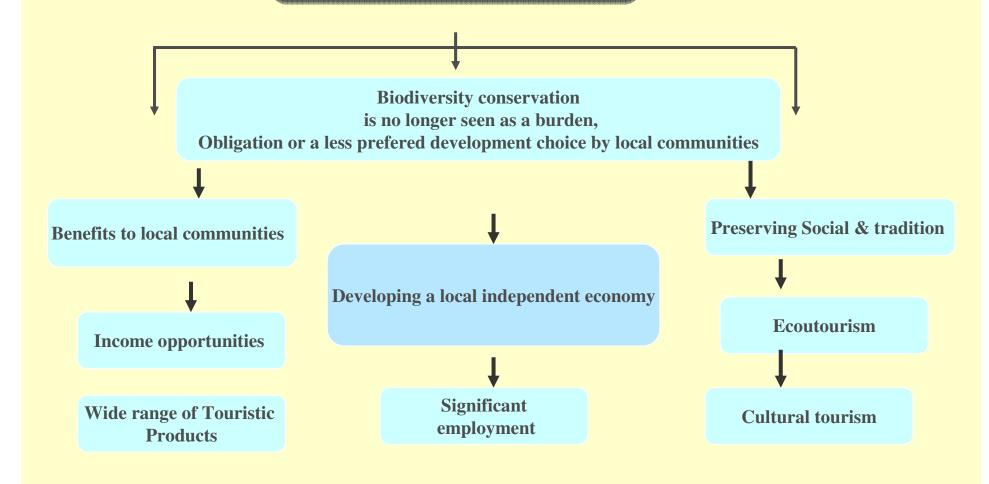
Table: Mediterranian Wetlands: Monitoring Results at The Mediterranean Scale And By Cluster Of Countries

Status Favorable medium poor not enough information of indicator not yet ready

Trends Stable Degradation Improvement Variable: from degradation to stabilization trend.

Level of accuracy: " week / "" correct / """ High.

In Direct values



Ecosystem Services of Wetlands

Water purification



Flood & drought attenuation

Mitigation with climate change

Maintainance of livelihood of local communities

Land use Change

River Flow

Wetlands and MDG's: Goal 7" Ensuring Environmental Sustainablity

Under GOAl 7 " ensuring environmental sustainability "

Indicator 7.1 "Proportion of land area covered by forests "

Indicator 7.8 "Proportion of of Population using an improved drinking water source "

Indicator 7.9 "Proportion of of Population using an improved sanitation facility

Indicator 7.10 "Proportion of Urban Population living in slums "

RATE OF ACHIEVMENT	MDG OBGECTIVE 7
	ALBANIA
	ALGERIA
	BOSNIA H.
	BULGARIA
	CROATIA
	EGYPT
	F Y R MACEDONIA
	JORDAN
	LEBANON
	LIBYA
	MONTENEGRO
	MORROCO
	PALESTININAN A
	SERBIA
	SYRIA
	TUNISIA
	TURKEY

Table2: Rate of achievement of water and wetland related MDG Environmental

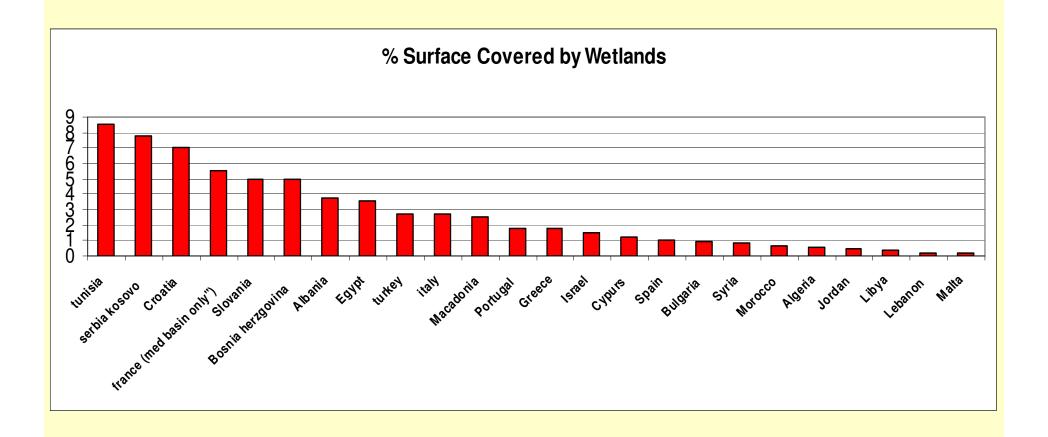
How to interpret indicator: 5 countries in green have achieved or are likely to achieve by 2015 the 4 selected environmental targets. Seven countries in orange could potentially achieve the targets , if they enhanced their efforts . four countries in red are very probably not going to achieve the targets . Data for turkey insufficient for evaluation.

Extent of wetlands: A downward trend

For the 20th century the loss of wetlands worldwide has been estimated at 50% of those existing 1900

Meditereanean wetlands hosts 1.5% of global wetlands

The total economic value of 63 million hectares of wetland around the world is estimated at \$3.4 billion per year.



Proportion of Wetland Coverage in relation to total country surface area, for Mediteranean countries (Serbia, Montengro& kosovo are presented together, due to fact that information avalable from time when they were united)

Economic valuation of wetlands A guide to sustainable tourism

Objectives of study

Moving the economic value of wetlands towards centre of policy development.

Guiding local communities & Small – Medium Business to the Economic revenue of wetlands

Raising awarness of policy makers on the economic significance of tourism as one of the main services of wetlands

Raising awarness of Water Officials on the economic value of water in wetlands

Tourism Businesses can promote and support Wetland biodiversity by:

Reducing pollution from tourism, particulary by ensuring that all liquid & Solid wastes are properly treated and disposed of in ways that do not result in damage to biodiversity & by minimizing use of pesticides, fertilisers and toxic chemicals

Obtaining all food stuffs, and other biological resources used in tourism activities from sustainably managed sources

supporting biodiversity conservation by gov. agencies and Ngos through practical actions, including financial contributions, ex: through sponsership and voluntary donations.

Ensuring that no invasive alien species are introduced through tourism activities

- Ensuring that no threatened or endangered species are put at risk from tourism activities or enter the tourism supply chain (especially as food or souvenirs)
- Using the Communications and marketing strengths of the tourism sector to raise awarness of tourists and destination authorities of the value of biodiveristy and the steps they can take to protect it.

Expected Outputs

Enhancing attention of policy makers to the economic values of different types of wetlands tourism in different Arab countries

The project will be pilot study for the region

Attracting range of different stakeholders from local to national level, across government, NGOs, private sector, and academia to Wetland Touristic Sites

Encouraging non- member Arab States to join RAMSAR Convention on Wetlands

Economic Benefits for Locals & Government.

Well managed tourism in and around wetlands can bring significant benefits both economic and environmental,

Local communities and local gov. can and often do benefit in terms of income and employment.

Income Benefits for long term conservation Measures the wetland iteslf can benefit directly when the income from tourism (entry fees, local products, etc,,) is used directly to conservative measure thus linking tourism with long term conservation

(Costs - Taxes - Service Charges Hotels- Revenues)

Culture tourism

Accommodation

The economic

Local use of the resources

values of wetlands in tourism

Marine park visitatio n



Taxes and fees



Reef recreation

> diving, snorkeling, sport fishing and boating



Mass Tourism

- Disturbances affecting
- wildlife and fragile
- habitats & pollution

water withdrawel for human consumption

The scale of Tourism

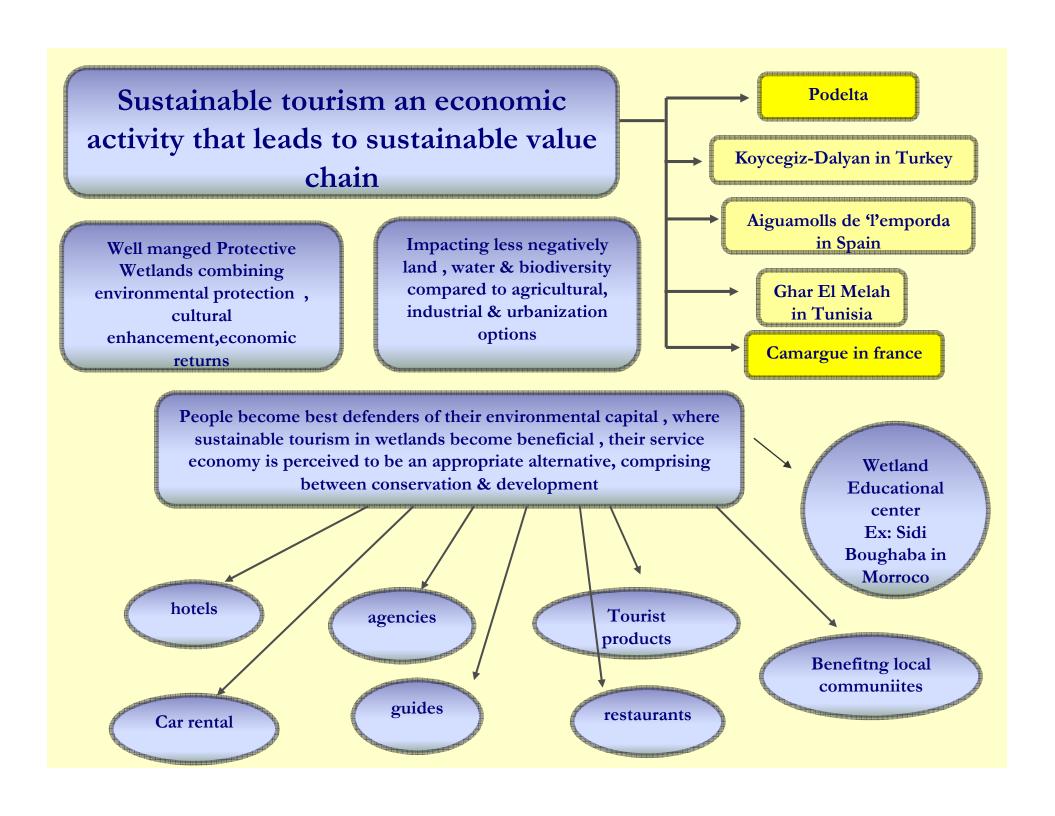
Globally economic activity generated by travel and tourism represents around 5% of Gdp 6-7% of the world's jobs.

By 2020 it will grow around 1.6 billion not including number of domestic tourists or those who make recreational trips that don't involve overnight stays

In 2010
International
tourists
to Wetlands
reached
940 million

tourists expenditures linked to wetlands amounts 925 billion yearly

Half of international tourists
Travelling to wetlands
Particularly in coastal areas



wetlands international sites: Major touristic attractions

Port launay Ramsara site in seychelles Taking sunsets at the

> kashmir India **Tsomoriri** Ramsar Site at an

bird watching in the altitude of 4600 m. in

kakadu National Park in Australia home to finest aboriginal art.

from Watching

marine

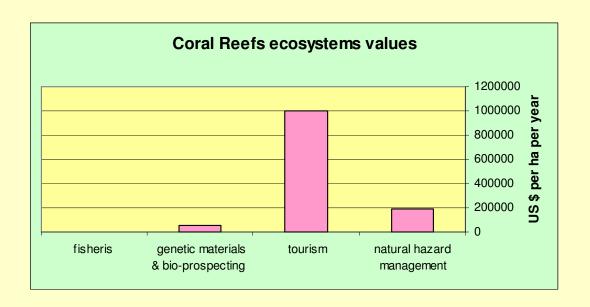
turtles and

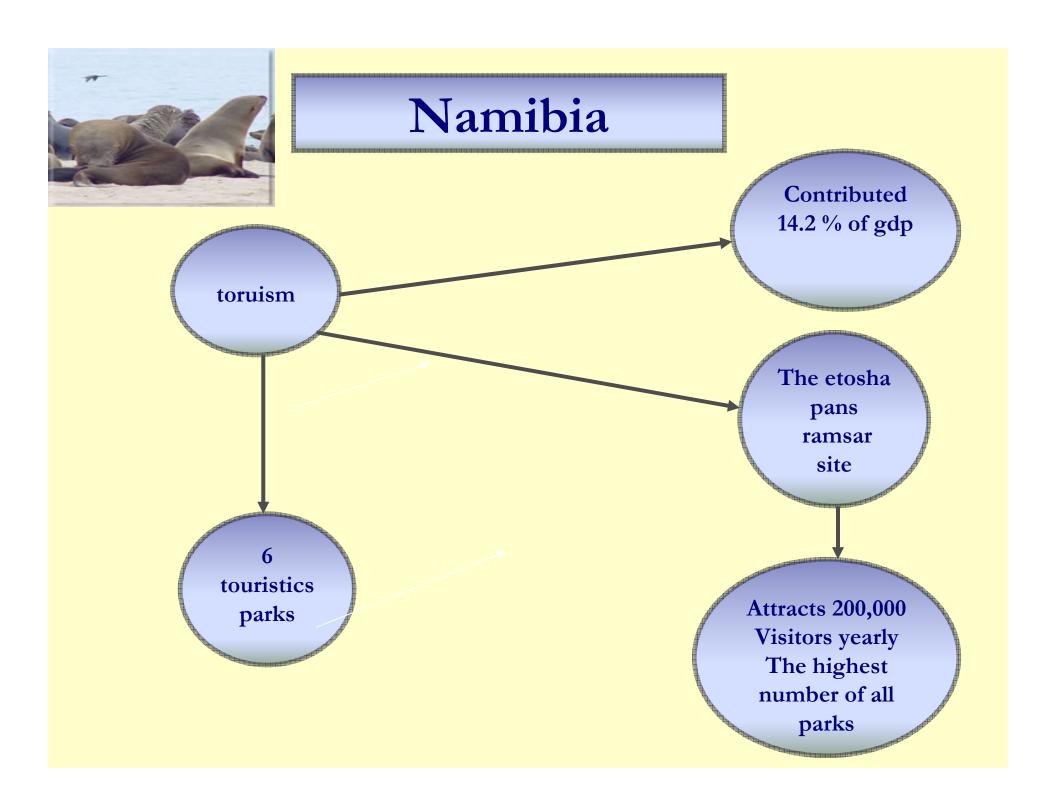
humpback whales

and viewing the

splendour of brain corals

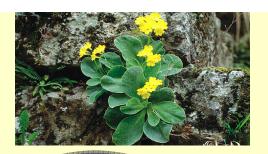
brazil's abrolhos park Watching marine turtles and humpback whaled and viewing the splendour of brain corals underwater







Slovenia



skicjan Caves Ramsar Site

305 h

annual income of 950,000 Euros from fees and a gift shop

reinvested in
the parks's
infrastructure and
for nature
conservation
efforts.

Earned from 96,000 visitors in 2010

In Australia's



Kakadu National Park

Aboriginal lands
Trust
for disbursement
to
traditional

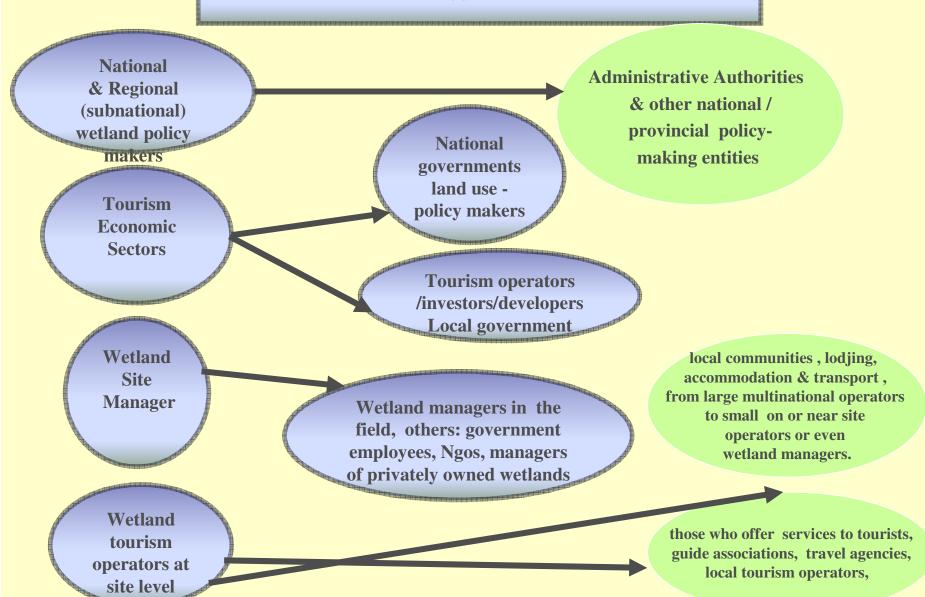
owners

almost 2- million hectares Ramsar and a World Heritage Site

40% of the entrance fees frm around 200.000 visitors each year is provided

remaining 60%
is used to cover the
operational costs of
conserving and
maintaining the park's
natural and cultural value

Who can contribute to achieving sustainable Wetland tourism



World Wetlands Day 2012 great opportunities to Wetland Tourism

offers chance to raise awarness about how people can be responsible tourists

both in

the personal behaviour as tourists and in the choices they make for hotel or tour operator.

Thank you

