

Ocean + , IMPAC₃
Marseille, november 2013

ICRI: Ad Hoc Committee on Economic Valuation
IFRECOR: Economic valuation of French overseas territories

ICRI



IFRECOR



INITIATIVE FRANÇAISE
POUR LES RÉCIFS CORALLIENS



Scope of both projects

Objectives:

- Policy-makers and budget makers are aware of the coral reef economic importance (Aichi target #2)
- Public and non public financing strategies for coral reef conservation are well known (Aichi target #10 and 20)
- Regulations for compensation of impacts are present in all ICRI countries

Actions:

Activity 1: Facilitate the dissemination of relevant information on economic valuation through ICRI channels

Activity 2: Act as a coordinating platform to report on relevant international and regional initiatives

Activity 3: Official ICRI recommendation for coral reef compensation mechanisms

Activity 4: Produce 2 policy briefs

(i) Economic benefits of coral reef ecosystem services

(ii) Conservation finance strategies for coral reef

Expected results:

- ❑ Increase public investment (regulation and budget)
- ❑ Diffuse the potential of CR financing mechanisms
- ❑ Support the implementation of compensation regulations in national policies

Ecosystem services economic valuation
why?

Inform and convince

Find money

Inform & convince :

Policy makers, budget makers, local stakeholders and multilateral agencies to re-allocate resources or apply new regulations to coral reef management

Target 2 Aichi

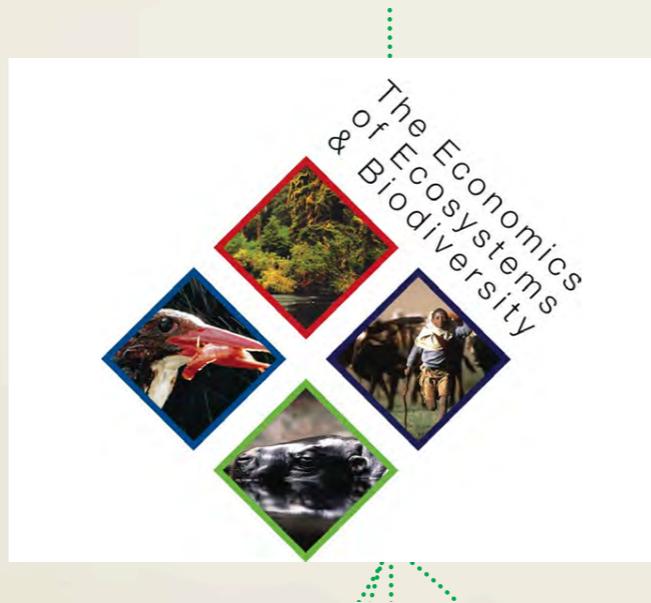
By 2020, at the latest, biodiversity values have been integrated into national and local development and poverty reduction strategies and planning processes and are being incorporated into national accounting, as appropriate, and reporting systems.

Global initiatives:

TEEB: The Economics of Ecosystems and Biodiversity, UNEP - national studies

WAVES: Wealth Accounting and the Valuation of Ecosystem Services

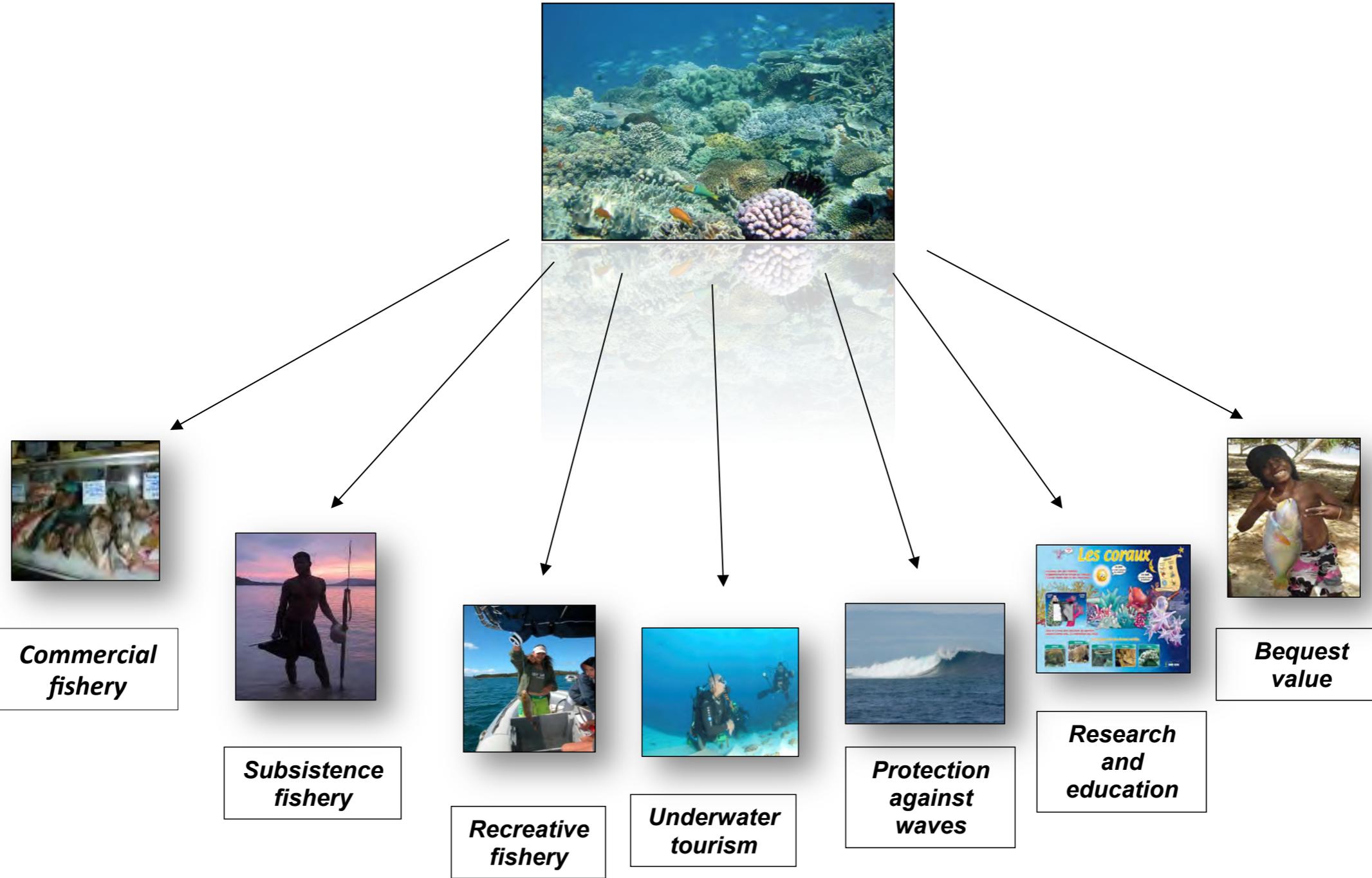
BIOFIN: UNEP



Coral reef related economic projects:

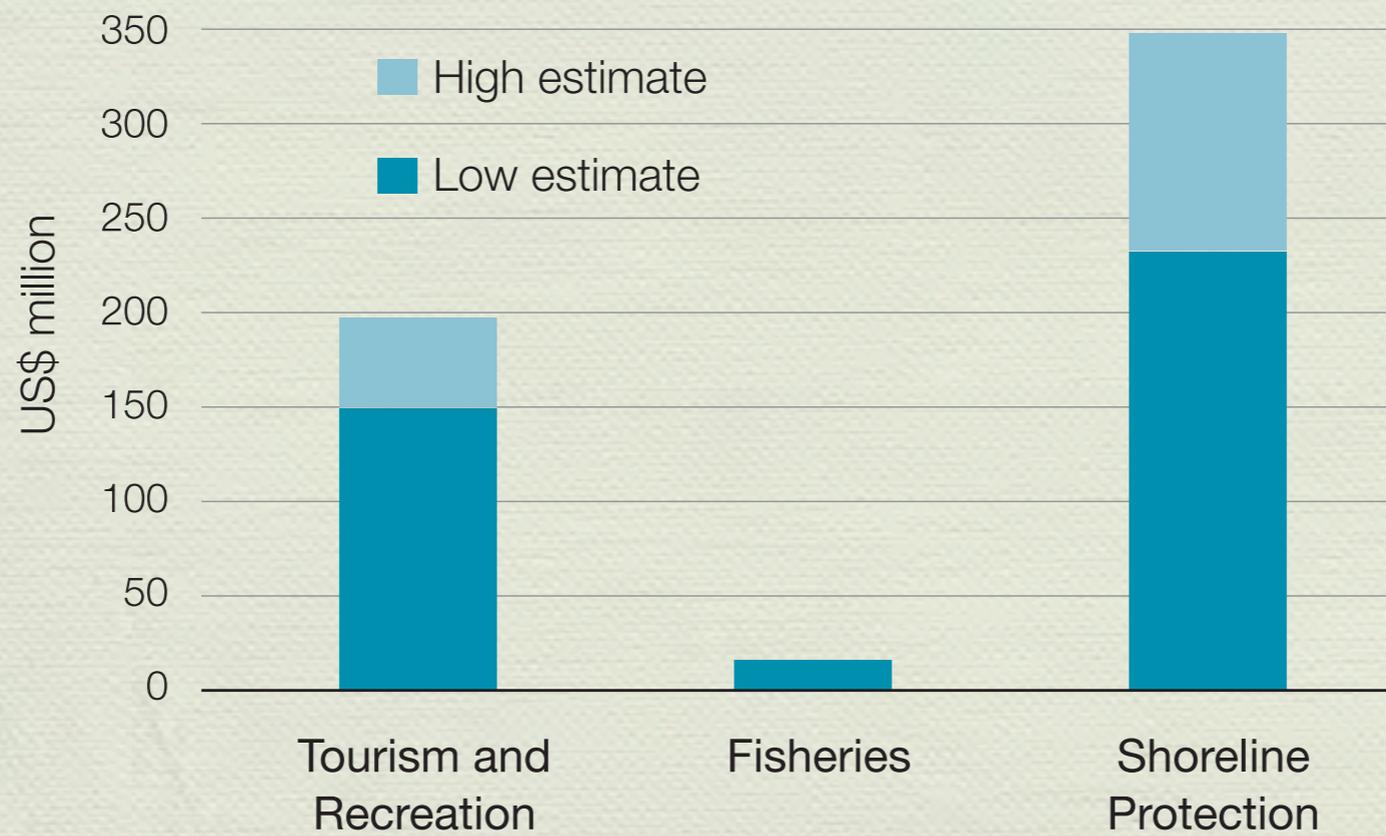
- ◆ IFRECOR (12 french territories)
- ◆ WRI - Caribbean policy guidance
- ◆ TEEB Ocean&coast (in prep.)
- ◆ ReefFix (OAS: 9 sites in Caribbean)
- ◆ RESCCUE (AFD/FFEM): 4 countries (South Pacific)
- ◆ COREMAP III (GEF/ADB): SE Asia
- ◆ CCRES (GEF) : 2 countries (SE Asia)
- ◆ MACBIO (GIZ, TEEB): 5 countries
- ◆ Individual studies: Bonaire, Vanuatu, Fiji, Honduras and many others.

Main ecosystem services from coral reef

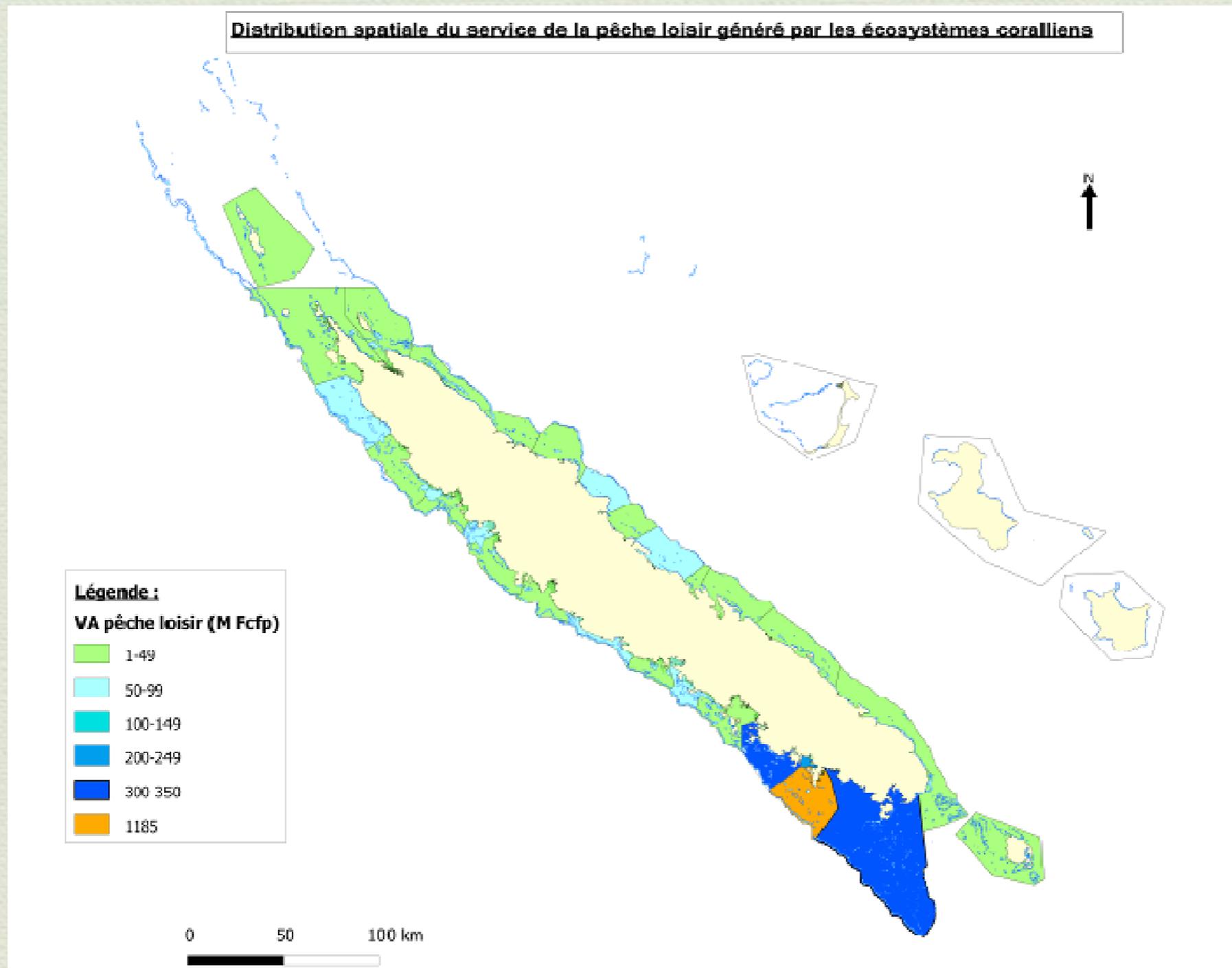


WRI: coastal capital of Belize

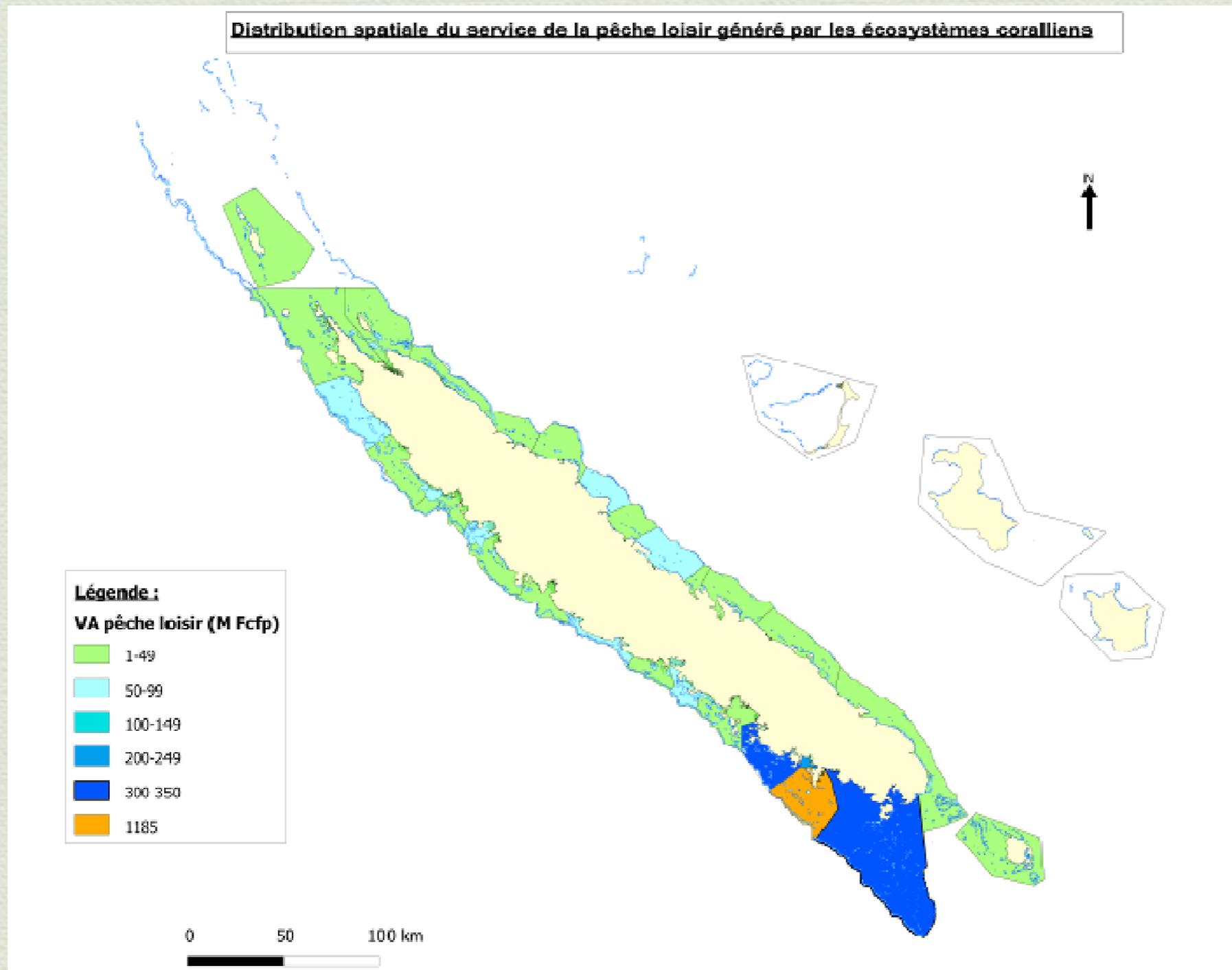
ANNUAL ECONOMIC CONTRIBUTION OF CORAL REEFS AND MANGROVES IN BELIZE



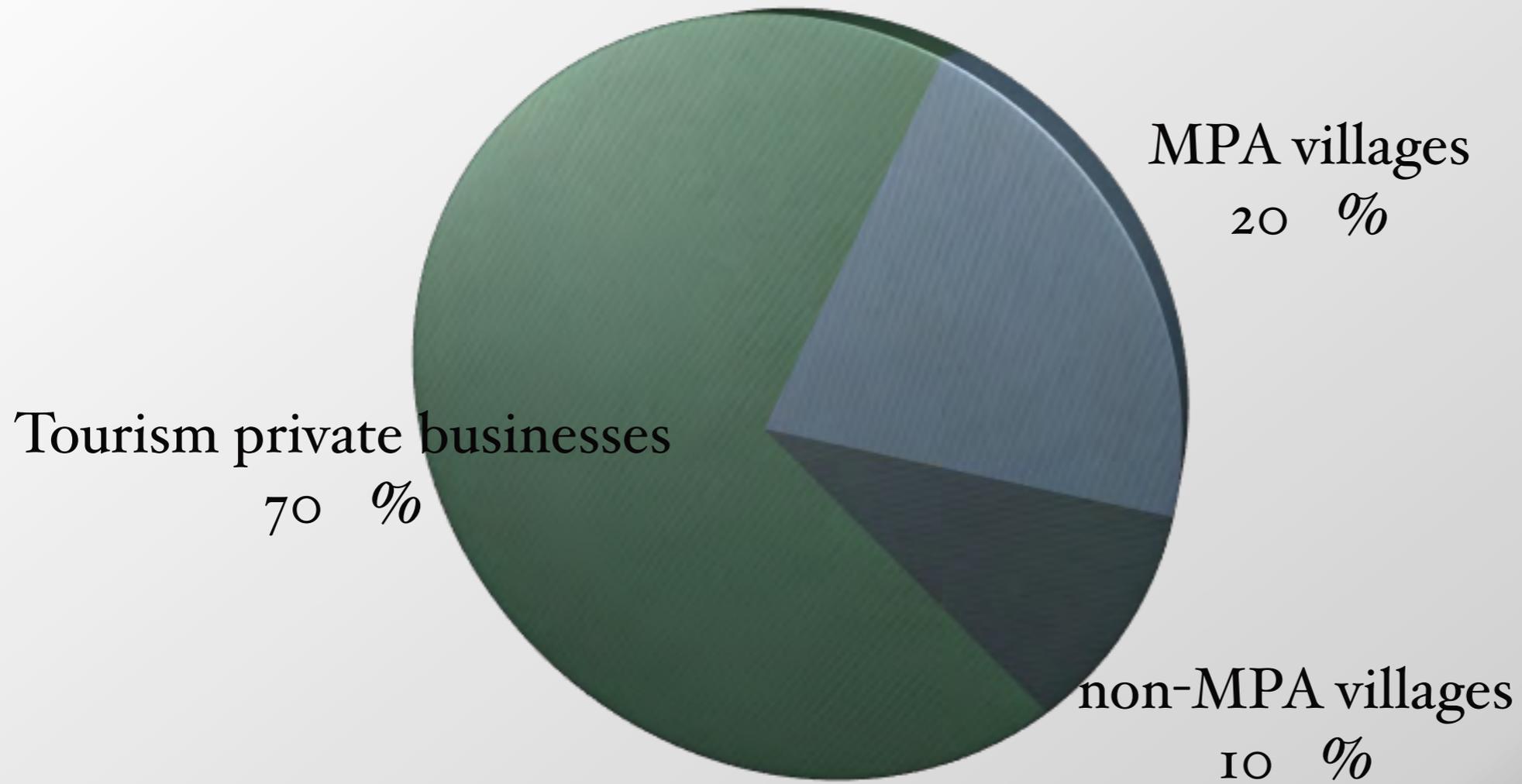
Spatial distribution of ecosystem services of New Caledonia coral reefs



Spatial distribution of ecosystem services of New Caledonia coral reefs



MPA beneficiaries



Spillover and larval dispersal potential from MPA



MPA beneficiaries

Average impacts per MPA per year: \$US 77k

Total benefits from MPAs in North Efate: \$US 385 k per year

Spillover outside of village boundaries > 30% of the total

400 households with benefits (protein and cash)

>10 tourism businesses, 30 jobs

12 000 visitors

MPA Return on Investment

Benefit-Cost ratio > 6 in Vanuatu

(25 yr. , 10% discount rate)

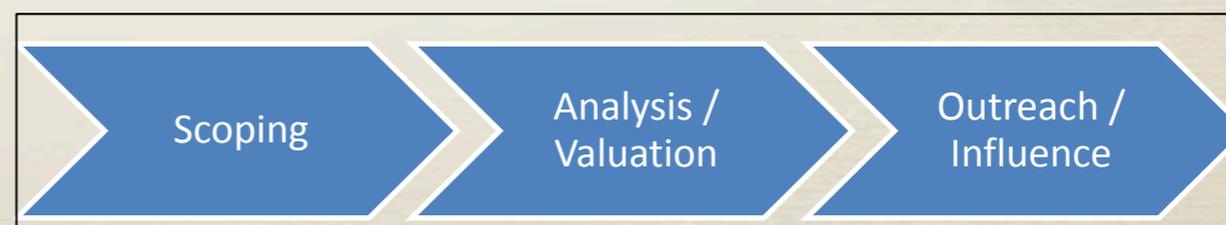
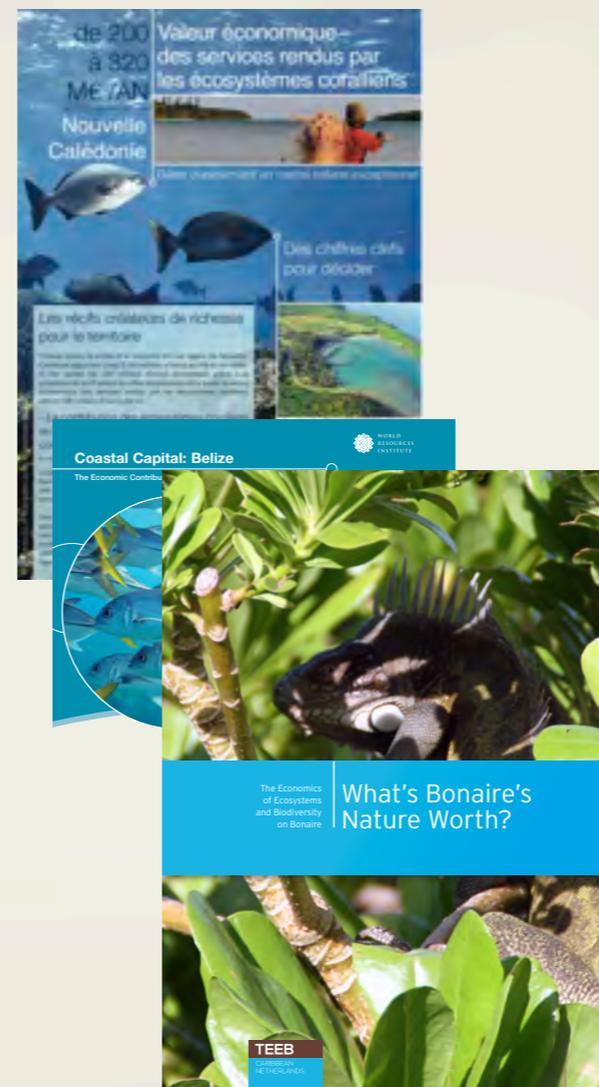
RoI since creation of MPAs > 3

(1 Vatu invested in MPA has produced 3 Vatu of benefits for society after 5-10 years)

30% for villages and 70% for private business owners

Commucation

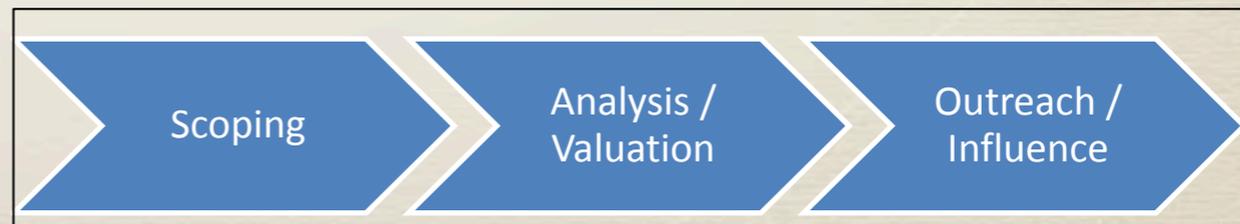
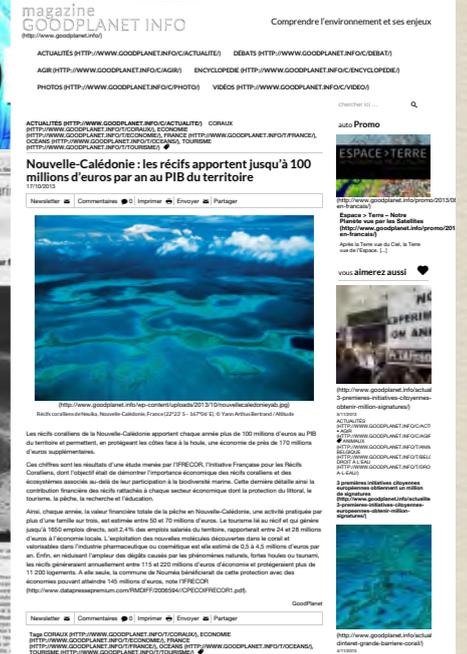
- * Technical reports
- * Policy briefs
- * Press
- * Workshops, meetings
- * Policy guidance strategy



Commucation

Press

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Financing

Costs of achieving Target 11(Aichi) for marine PA
(coverage, connectivity and management)

2013-2020 : US\$ 35 billion

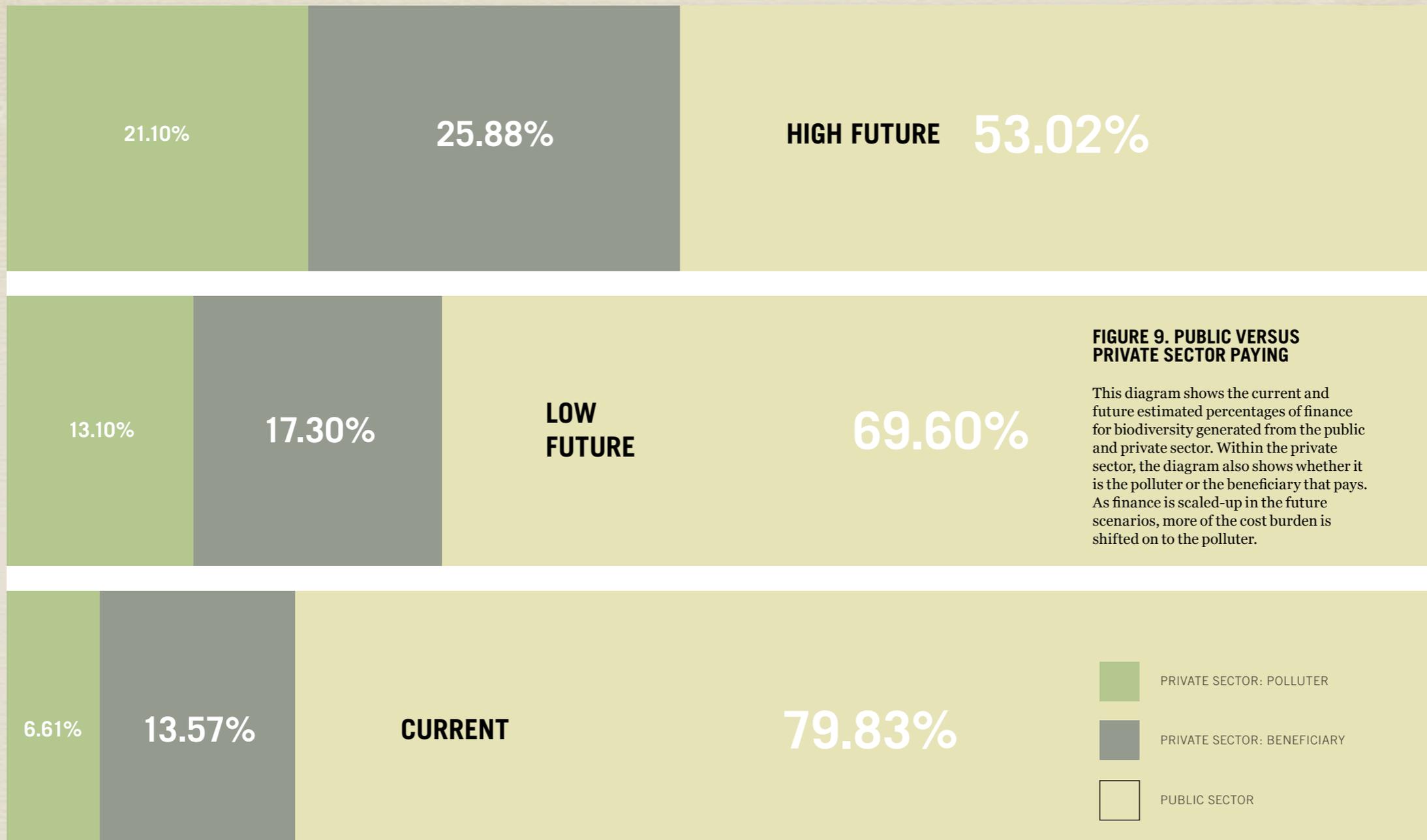
US\$ 17 billion for creating new MPA (\$ 2k/km², 8M km²)

US\$ 7 billion for marine corridors (\$ 1k/km², 7M km²)

US\$ 150 M/y for management of existing MPA (\$ 150/km², 1 Mkm²)

US\$ 1,2 billion/y for management of new MPA (\$150/km², 8M km²)

source: Progress report for the High Level Panel Meeting, CBD 2012



Parker, C., Cranford, M., Oakes, N., Leggett, M. ed., 2012. *The Little Biodiversity Finance Book*, Global Canopy Programme; Oxford.

Economic instruments for coral reef

~ Beneficiary payers:

Find a buyer and a seller for an ecosystem service

~ Polluter payers:

Contamination tax, compensations

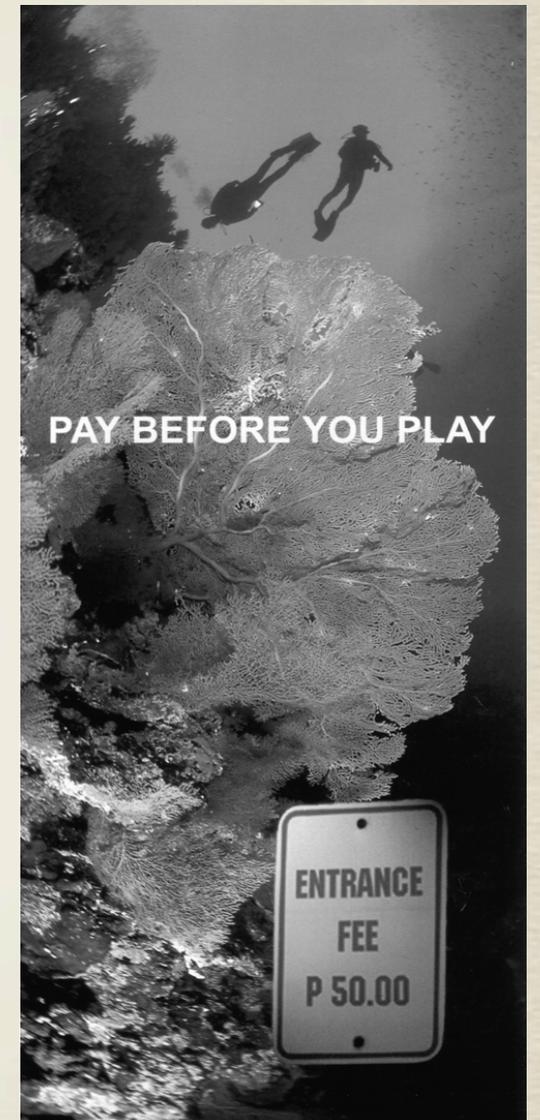
~ Property rights:

Fishing quotas, concessions, easement

~ Public finance, philanthropy

~ Business plans:

Optimizing costs and revenues of management





Merci