

APEC meeting

Methods and policy for marine debris monitoring
and distribution

20/02/2020

#MondeEnCommun

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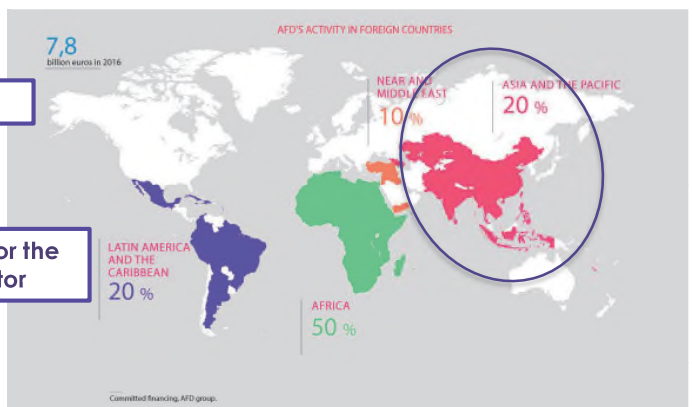
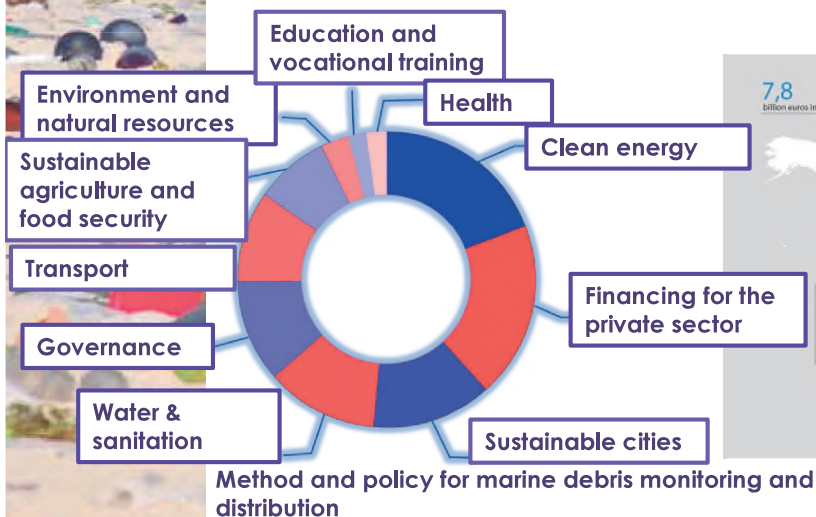
SUMMARY

- **AFD in a blink**
- **Methods and policy for marine debris monitoring and distribution : AFD support**
- **AFD's actions globally for tackling the marine debris issue**
- **AFD's support to the Government of Indonesia**
- **Existing policies on tackling marine debris in France**

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In a blink

- French public financial institution dedicated to fight against poverty and promote sustainable development.
- AFD provides a large range of financial tools for development
- € 14 billion committed in 2019 worldwide
- Historical focus on tackling poverties, an increasing activities in Asia for climate and sustainable actions



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A variety of tools

- Grant for feasibility study & project preparation
- Sovereign Loan/Non-sovereign loan for project investment
 - Usually with a part of grant for technical assistance during project implementation and capacity building
- Grant for partnership & research activities
 - Strengthening research activities
 - Partnership with international research institutions
- Development Policy Loan for reforms
- All projects are 100% in accordance with and 70% with climate co-benefits



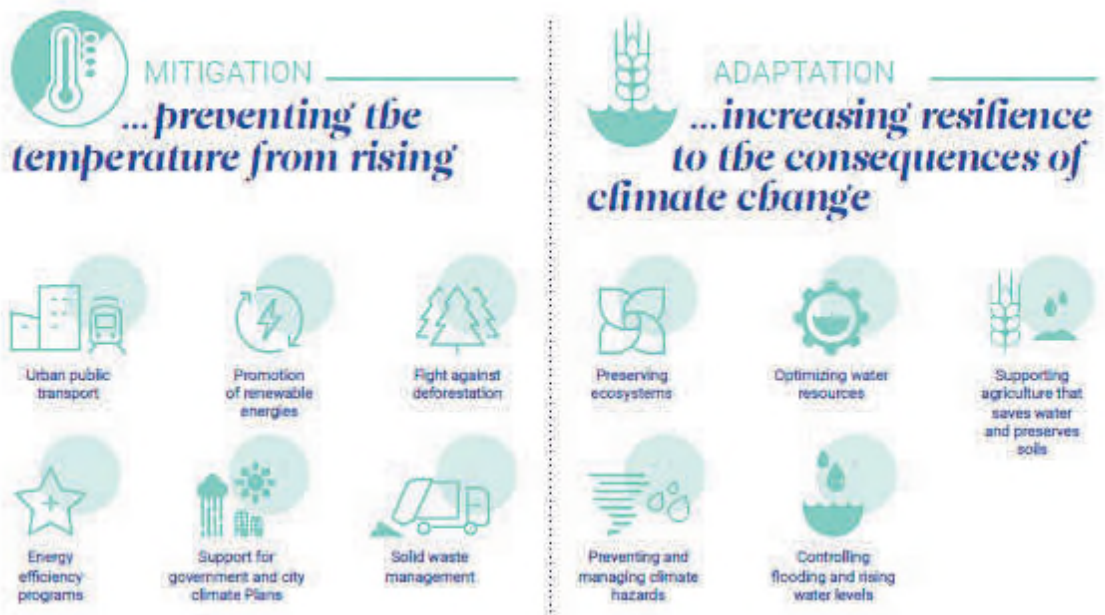
PARIS2015
UN CLIMATE CHANGE CONFERENCE
COP21-CMP11

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To reconcile climate change with social and economic development



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Methods and policy for marine debris monitoring and distribution means

AFD understanding



- **Methods : scientific knowledge, standards but also tools to implement the methods**
 - Loan to government to support acquisition of scientific tools (satellite data, ocean research vessels, sensors...) to have adequate means to implement methods,
 - Support peer-to-peer exchange *entre les acteurs*
 - Support capacity buildings: *travaux de coopération*
- **Policy: regulatory framework, stakeholders, implementation, adequate budget and responsibilities**
 - DPL through supporting the government reforms to reach their targets,
 - Studies to look at the reforms needed, drawbacks of some policies if any, transition risks,
 - Support on budget tagging including capacity buidlings,

Tools to provide Evidence-based policies

Methods and policy for marine debris monitoring and distribution means

AFD understanding



- **Marine debris:**
 - when does a debris starts to be marine related?
 - If mismanaged any kind of waste is likely to become a marine debris within a more or less long time period,
- **Monitoring: follow-up of project regularly, quality assessment**
 - requires to have a baseline
 - adequate budgeting to ensure sustainability of the monitoring
- **Distribution: geographic, seasonal, community related and also policy related (especially when it is local policies)**

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AFD's actions for tackling the marine debris issue

Globally



KfW



WHAT IS THE CLEAN OCEANS INITIATIVE?

The initiative identifies projects that fight plastic waste in rivers, seas and on land. The goal is to finance €2 billion in public and private sector projects by 2023. The initiative has already met more than a third of this target.

The focus is on regular waste, wastewater and stormwater management projects that reduce the discharge of plastics and other waste. To be eligible, projects need to demonstrate efficient and effective ways of stopping plastic waste.

The initiative was launched in October 2018 by the Agence Française de Développement (AFD), the European Investment Bank and KfW, the German promotional bank.

WE ARE TARGETING PROJECTS IN THESE FIELDS:

- **Collection, treatment, recycling and disposal of plastics and other waste** from rivers and coastal areas.
- **Improved waste management** to reduce plastics and other waste in ports and harbours.
- **Innovative projects that keep plastics out of the oceans** or develop reusable or biodegradable plastics.
- **Expanding and improving wastewater collection and treatment** to keep plastics out of rivers and oceans.
- **Urban stormwater management** systems that prevent waste and plastics from entering waterways during rains and floods.

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AFD's actions for tackling the marine debris issue

Globally

CONSERVATION AND RESORING THE COASTAL AND MARINE ECOSYSTEMS

...decrease human impacts on the environment, conserving the biodiversity and adapting to Climate change

Creating et management of MPA and Coastal Protected Areas

Integrated management of the coastal zones

Tools to monitor sensitive ecosystems to human activities and climate change

Restoring ecosystem of economical and ecological interests

Reducing environmental impacts linked to marine activities



National Maritime Park of Mohéli – Comores

- ⇒ Grants 3 M EUR AFD and 0,2 MEUR FFEM
- ⇒ Management public/civil society with 10 villages located within the terrestrial boundaries of the park
- ⇒ Funds from the NMPM

BACOMAB – Coastal and Marine biodiversity of Arguin Bank – Mauritania

- ⇒ Grant 2,5 M EUR AFD and 1M EUR FFEM
- ⇒ Mauritania inputs

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AFD's actions for tackling the marine debris issue

Globally

• Waste management project

- Sensitize and strengthen capacities of waste management stakeholders
- Strengthen or put in place safe, sustainable and operational waste management system in cities/neighbourhood
- Good practices sharing, peer-to-peer exchanges



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AFD's actions for tackling the marine debris issue

Globally

- **Active participation in UN ESCAPE (Economic and Social Commission for Asia and the Pacific) : "Promoting economic, social and environmental cooperation on oceans for sustainable development"**
 - to strengthen regional cooperation on the conservation and sustainable use of the oceans, seas and marine resources and on tackling air pollution challenges (ESCAP resolutions 72/9 and 75/4).
 - Side events on air pollution and marine litter and microplastics in coordination with French embassies (Bangkok, Vietnam), IRD, IRASEC, AFD and UNESCAPE

Including sensitization of General public to the ocean related issues (boardgame « operation océan »)



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In Indonesia

Providing tools for making evidence based policies



Indeso Project (2012-2017):

- oceanographic model and pilot operations to fight IUU, oil-spill, mangrove and coral monitoring as well as aquaculture (shrimps and seaweed)
- Is used as the basis to build upon marine debris tracking surveillance system thanks to the drifting module enhanced to provide simulation and modeling of marine debris trajectories (as seen on the visit of the 19/02/2020)

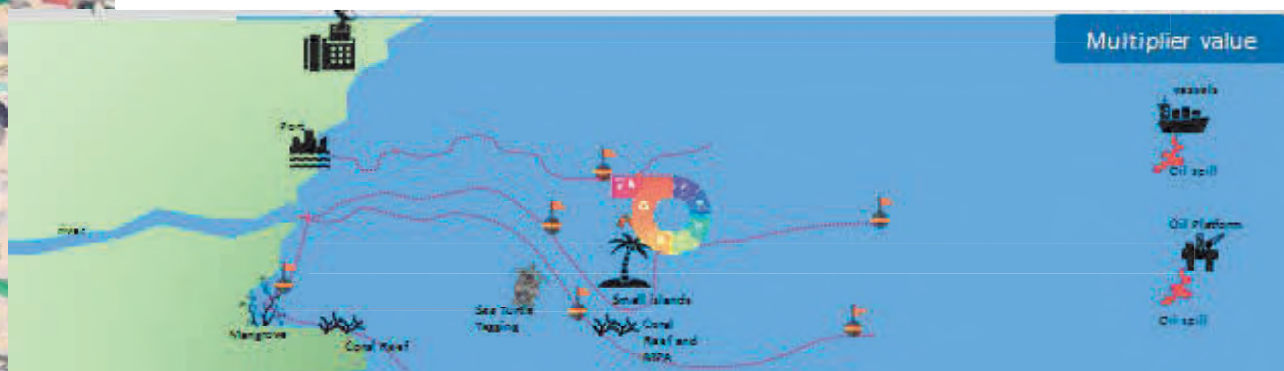


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In Indonesia

Providing tools for making evidence-based policies:

- **Marine Debris monitoring and modeling (2020-2021)**
 - 1 - Establish a "pilot project" at the Indonesian level to set up a marine debris monitoring system;
 - ✓ deployment of floating state-of-the-art GPS sensors replicating the properties of marine debris in Indonesia.
 - ✓ This monitoring (live visualization via a web platform) will be carried out in selected pilot areas



➔ strengthen the linkage and information exchange practices between the central and local governments on minimizing the risks associated with marine litter.

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In Indonesia

Providing tools for making evidence-based policies:



Marine research vessels (under appraisal)

- Finance the acquisition of marine research vessel and a retrofit with scientific tools,
- 4 scenarios: 1 - Geosciences and geohazard, 2 - fish stock assessment, 3 - 2 Marine Chemistry, Marine Biology and Physics and Atmospheric Sciences and 4 - Hydrography
- Able to do collection of fish, water samples, plastic collection in order to provide evidence



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In Indonesia

Support to policies:



DPL Logistics (2015-2019), with World Bank

- Government reforms in the sector of sea transportation in order to improve the logistics in connectivity harbor for better efficiency
- Workshops on green harbor labelling including waste management standards with the port authorities, peer exchange between french and Indonesian government



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In Indonesia

Supporting evidence-based policies:

- **DPL Marine Debris (under assessment)**
 - To provide government of Indonesia budget support on some of its actions that are stated in its national action plan on short and long-term,
 - To provide support for TA or capacity building in order to ensure the sustainability and the implementation of the reforms put in place



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In Indonesia

Implementing projects

- **Sustainable and efficient fishing ports (under identification)**
 - Willingness of the Government of Indonesia to improve some harbor infrastructure, including activities on traçability, export added value and environmental impact improvement,
 - At the moment: Waste management is done through various means, and open-air incineration seems to be the most common way to deal with the wastes: having impacts on health, hygienes and environment



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In Indonesia

Supporting project implementation

- **Urban development projects under identification**
 - Water and sanitation infrastructure (Bogor):
 - Proposal of solid waste valorization,
 - Improved waste and water management



- Ecoquartier
 - thinking during urban development plans of « green » solution, including efficient waste management

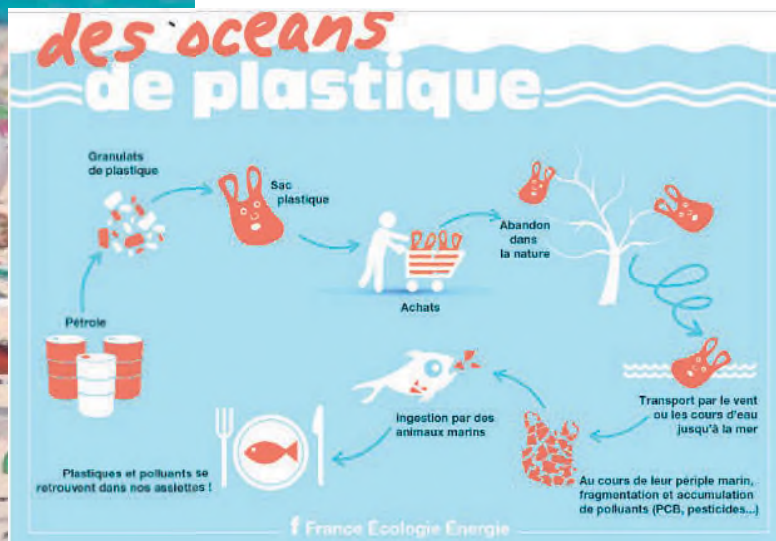
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France actions for tackling the marine debris issue

Few laws against marine debris



June 2015; no more oxo-fragmentable plastic bags,
July 2016: single use plastic banned,
January 2018: ban of cosmetics with tiny bits of plastics (for exfoliation)
January 2020: ban of single use plastic cutlery, glass and plates,
January 2020: ban of earbuds

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France actions for tackling the marine debris issue

Anti-waste law for a circular economy



January 2020 - 5 years plan to :

1. Phase out of disposable plastic,
2. Better inform consumers
3. Fight against waste and for solidarity reuse
4. Acting against planned obsolescence
5. Better products

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Terima kasih!

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