Sustainable maritime transport
French Polynesia - Tahiti
Ships that serve French Polynesian islands

Surface area: 5 millions square kilometers
Population: 280,000 habitants
Number of ships: 20
Number of islands: 118
Number of inhabited islands: 76
Cargo ships

- COBIA 3
- HAVA'I
- TAPORO 6
- DORY
- HAWAIKI NUI
- TAPORO 8
- MAREVA NUI
- NUKU HAU
- TAPORO 9
- SAINT XAVIER MARIS STELLA 3
- SAINT XAVIER MARIS STELLA 4

Passengers ships

- APETahi EXPRESS
- AREMITI 6
- TERevaU
- AREMITI 5
- MAUPITI EXPRESS 2

Mixed cargos & cruise

- ARANUI 5
- TUHAA PAE 4
- VAEARA'I

Ferries

- AREMITI FERRY 2
French Polynesia's economic and environmental dilemma

Maritime transport require enormous financial resources to finance ship operations and the entire ecosystem around these activities.

And at the same time we have to face the environmental impacts linked to these maritime operations.
How can we reconcile the economy and the environment?

By working together, efforts spread across all stakeholders.

- The country and the decentralized administrative authorities
- The maritime operators
- The professionals (Chargers)
- The users
2015 : Master plan for sustainable maritime travel

Main recommendation: renewal of ships by promoting virtuous projects (fuels, oils, etc.)
Regulations and Discontinued applications

- Licence to operate a ship
- Duration of operating of a new ship limited to 30 years
- After 30 years, obligation to replace with a new ship

Conditions for a licence

Projects are scored by points on different criterias, 3 of which concern the:

- Reducing the use of fossil fuels
- The reprocessing of waste oil and soiled bilge water
- Financials aid in the case of a virtuous projects that meets the recommendations of the master plan for sustainable maritime travel (tax refund of profits, reduced interest rates for bank loans)
The results

- Average age of ships
  - 1990: 40 years
  - 2024: 27 years

- Commissioning of 8 new ships on the 20 that are operating now
- 2 ships have their own approved waste oil reprocessing systems
- Five new ships in project in the four next year.
- One using wind propulsion and ready to use biofuels
- 2 millions passengers in 2023

Consequences of new ships

- consume less
- transport more and faster
- require less maintenance and repair
- break down less
- more comfortable and better meet the needs of remote islanders
- present better security conditions.

Consequences:

- optimization of maritime services
- reduction of carbon impact
1 Regulations to supervise the reprocessing of waste oil and waste bilge water

- obligation to reprocess by a approved reprocessing line for all shipowners
- financial assistance in the form of a tax-free allowance on on-board fuel, provided that the reprocessing of these effluents is justified.

Before these regulations, some of these effluents were discharged into the wild and irreparably polluted the groundwater.
Coherent and inter-active public policies

- Coordinated management involving the administrative authorities in consultation with each area concerned.
- It is no longer a question of importing more from outside but of slowing down and trying to reverse trade.

A general development scheme of the whole of French Polynesia

- Residential area
- Industrial area
- Agricultural area
- Protected area
- Unconstructible area
2 Coherent and inter-active public policies
Coordinated master plans in related areas

1 Example: Tourism with several different offers:

- International cruise with limited capabilities
- Niche mining like mixed cruises freight/passenger
- Charter catamarans 95% sailing
- Luxury bungalow on the water
- Guesthouse
- Air bnb
2 Coherent and inter-active public policies
Coordinated master plans in related areas

2 Example: Agriculture to import less and consume local.
So ships with refrigerated containers adapted to the agricultural production of the islands

3 Example: Fishing with tuna boats of about 20 m built in our own shipyards.
Taking into account the culture
Or the maintenance of traditional marine management practices

Example: The "rahui" means to prohibit certain activities in specific areas:
• Fishing
• Vessel traffic
• Water activities
Innovation at the service of the maritime community
or new technologies as a lever for sustainable development

Revatua the teleservice (digital application) for the paperless management of bills of lading:

- from 1 million paper documents to zero
- optimize vessel rotations to ensure better service and save fuel and time at sea
- save hours of travel and waiting for professional loaders at ship counters
- contribute to reducing the carbon impact
Innovation at the service of the maritime community
or new technologies as a lever for sustainable development

IHITAI the teleservice (digital application) careers tracking of seafarers

• Dematerialization of the entire management of seafarers' careers
• Securing Diplomas on the Blockchain (Etherum)
• Translation of diplomas into 3 languages: French, English and Tahitian
• Easily viewable on mobile phone
• Saving paper documents and travel
• Simplification of administrative procedures
• Contribute to reducing the carbon impact
• Brings couples together because often it is the wives of the seafarers who manage their online accounts and monitor the time at sea, and the income in. It is difficult to leave home in these conditions
• Promotes the seafarers profession
Innovation at the service of the maritime community
or new technologies as a lever for sustainable development

Escales the teleservice (digital application) that allows you to
dematerialized and manage ship calls anywhere in French Polynésia

• Present by M. Cédric Marrouat
It is difficult to bring together different expectations in related areas such as infrastructure, agriculture, fisheries and cargo shipping.

Our limits and expectations

Some actors are reluctant:
- to change especially in the adoption of digital tools
- to share information

Need to be informed and involved in developments in the use of efficient, mature and cost-effective decarbonization models
MAURU’URU
THANK YOU

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