

# Climate & Mobility in Atlantic Area

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**Final Conference**  
**Dominique Breuil**



# Main objectives for AA maritime territories

- ❑ Achieve economic sustainability : industrial, services & tourism
- ❑ Increase quality of life of residents and visitors
- ❑ Reduce carbon footprint and environmental impacts, maintain and improve ecological systems,

# Reducing mobility carbon footprint in AA ?

- ❑ Inside cities, between territories
- ❑ Specific and generic solutions

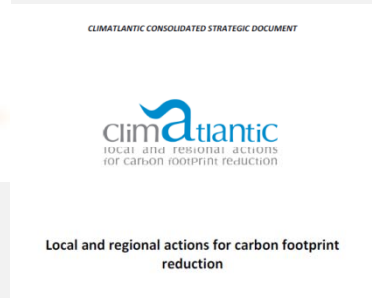


- ❑ Coastal territories and port cities have always been gates :
  - ◆ open on the world, melting pots
  - ◆ passing through areas
  - ◆ attractive
  - ◆ different histories
  
- ❑ Challenged on several points
  - ◆ Climate change & environment
  - ◆ Demography (age, localisation, migrations..)
  - ◆ Economy & labour force
  - ◆ contactability





**Experts**



**Recommandations**



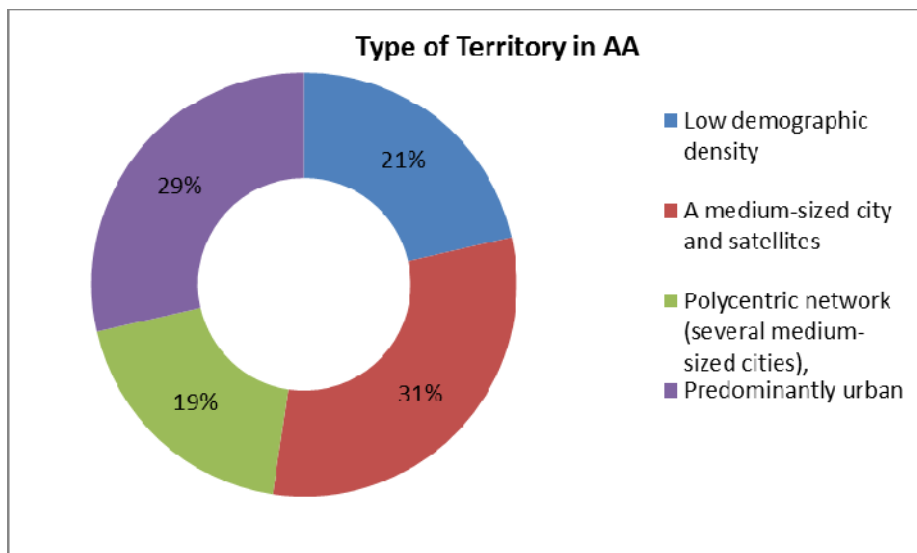
**Questionnaire**



**Interviews**

**Mobility planners**

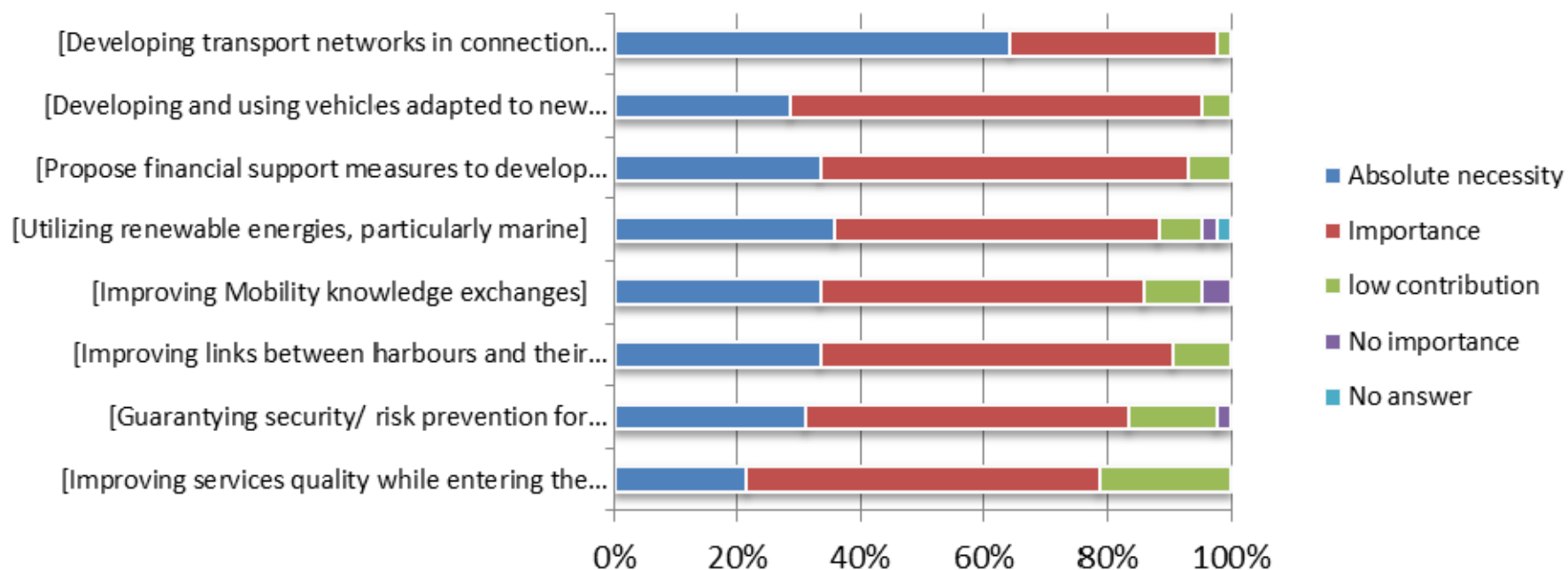




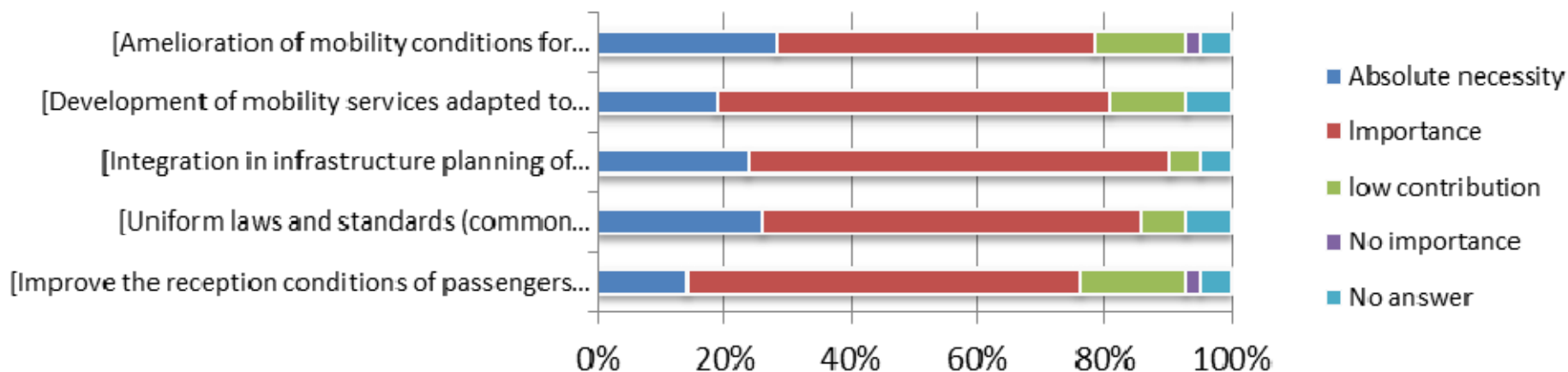
□ **2 groups of answers**

- ◆ **Convergent for polycentric and urban territories**
- ◆ **No clear trends for other territories**

### Opinion on Strategies and actions strongly linked to AA



### Opinion on Strategies and actions influenced in AA



**Among the proposed actions in Improving services quality while entering the territory, please Indicate those which were of most interest to you, on carbon footprint:** **number of citations**

Logistic interoperability (physical and informational),	31
Informations of passengers or carriers who arrive from foreign countries (anticipation, preparation, activity thread, alert...)	16
Reception facilities (ex: liner)	8

**Among the proposed actions in developing the contactability, please Indicate those which were of most interest to you, on carbon footprint:** **number of citations**

Intermodality between regions particularly rail intermodality	22
Interoperability	17
Capacity to cross Atlantic Area from or to hubs, harbours, gates	17
Capillary characteristics in territories	10
Local inland waterways (coastal navigation, sea taxis, sea buses...)	9

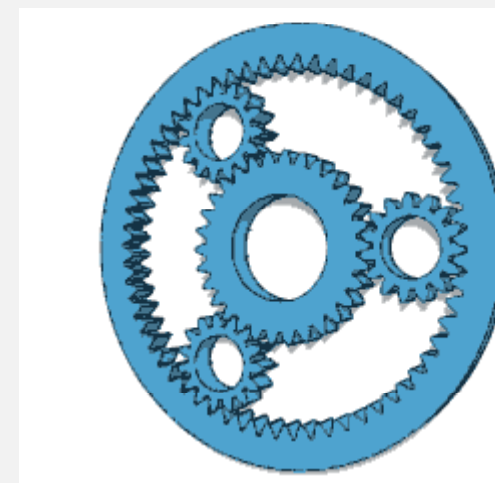
**Among the proposed actions in Improving the reception conditions of passengers, please Indicate those which were of most interest to you, on carbon footprint:** **number of citations**

Integrate all actors, even if not concerning by transport activities, in a common approach; linked with tourism	22
Develop sharing activities in alternative modes to the car (ex: cycle tourism,...)	23
Facilitate apps development concerning passengers and goods, for preparing the trip, in real time...	19
Supply data about mobility (open data), set up necessary resources for their collection and transmission.	22



## 3 domains for actions

- ❑ **Physical and concrete implementations tuned for each territory**
- ❑ **Information and knowledge to adapt solutions**
- ❑ **Decisions & strategies to ensure global coherence**



- **Sea & tourism: gates optimisation, (Large or small ports, airports, stations,.....)**
  - ◆ **Infrastructures : energy efficiency**
  - ◆ **Operation : energy saving, organisation of work**
  - ◆ **Warehousing /hubs : organisation, transport**
  - ◆ **Connection with internal EU (traversability)**
  - ◆ **Safety and security issues**

- **Territory & capillarity : networks for internal communications**
  - ◆ **Coverage and performance of links between territories**
  - ◆ **Sharing and associated resources**
  - ◆ **Alternative modes**
  - ◆ **Information systems to develop attractiveness**

- ❑ Local awareness raising
- ❑ Partnerships, exchange, transfer between stakeholders
- ❑ Mobility observatory, shared knowledge bases
- ❑ Cooperation for research and development of new knowledge

- ❑ Design tools and methodologies to help territories to develop their own solutions including financial
- ❑ Develop living labs and significant real case studies
- ❑ Establish a global framework (standards...)

- ❑ **Large range of possible mobility actions to decrease CO<sub>2</sub> footprint**
  - ☞ **Improve the Mid Term anticipation of the demand evolution due to climate and behaviour change**
  
- ❑ **Diversity of local situations & evolutions,**
  - ☞ **need to propose a global framework,**
  - ☞ **Develop integrated solutions adapted to each territory**

***land + energy + mobility+ behaviour → SMARTerritory***
  
- ❑ **Support cities associations for raising awareness among politicians and implementing these solutions**

**To conclude**

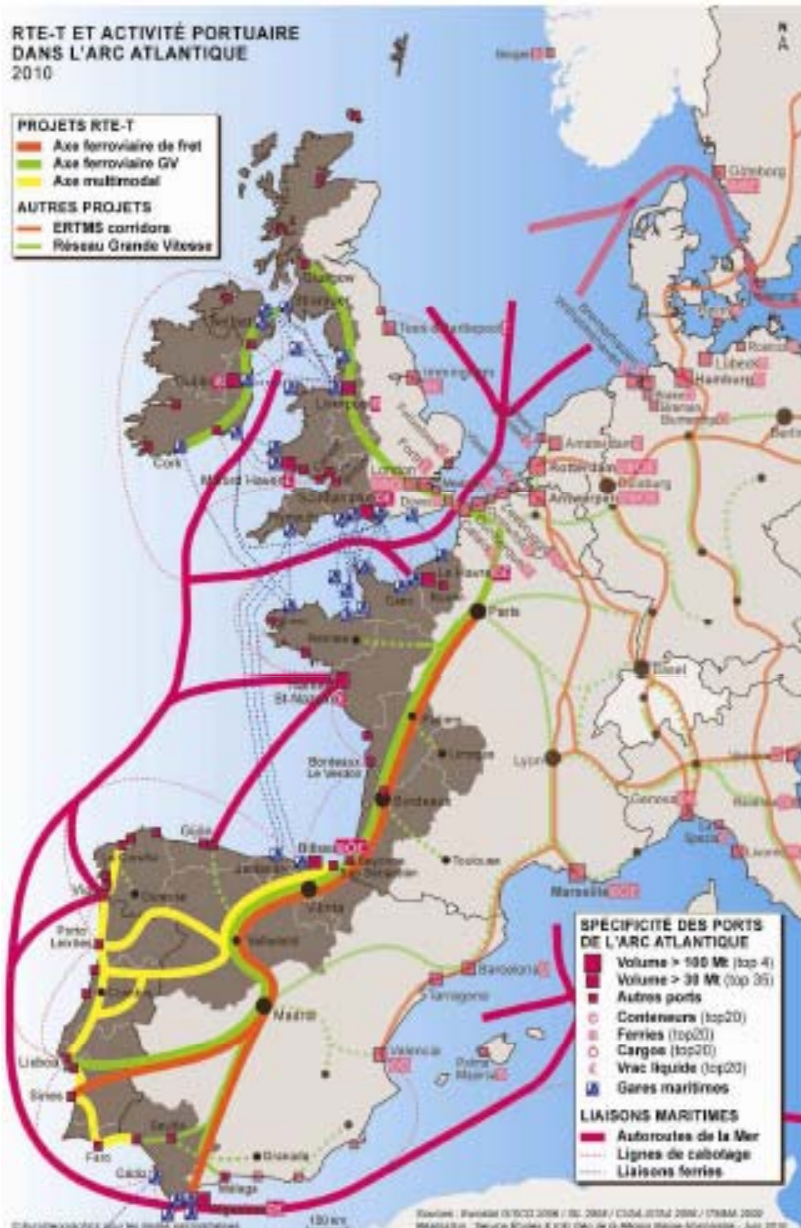
*Thank you for your attention*



- **Improve interfaces and connections**



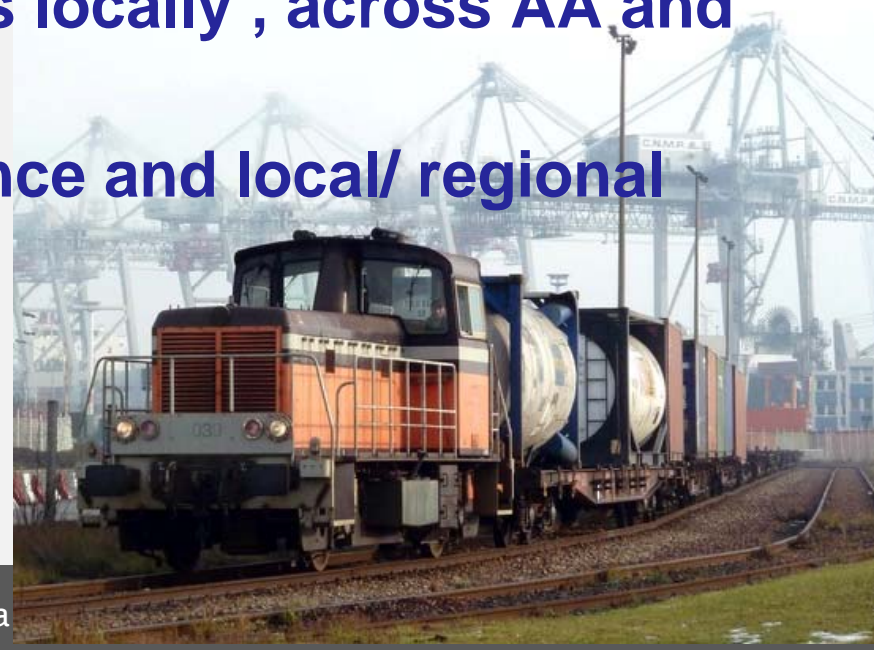
# Accessibility



- ❑ Diversity of density of transport networks
- ❑ Bottlenecks
- ❑ Few coastal lines
- ❑ Low contactability
- ❑ .....

- ❑ **Maritime situation**
- ❑ **Gates and territory entries**
- ❑ **Internal communications for passengers and freight  
: capillarity and alternative modes**
- ❑ **Mobility information**
- ❑ **Security**

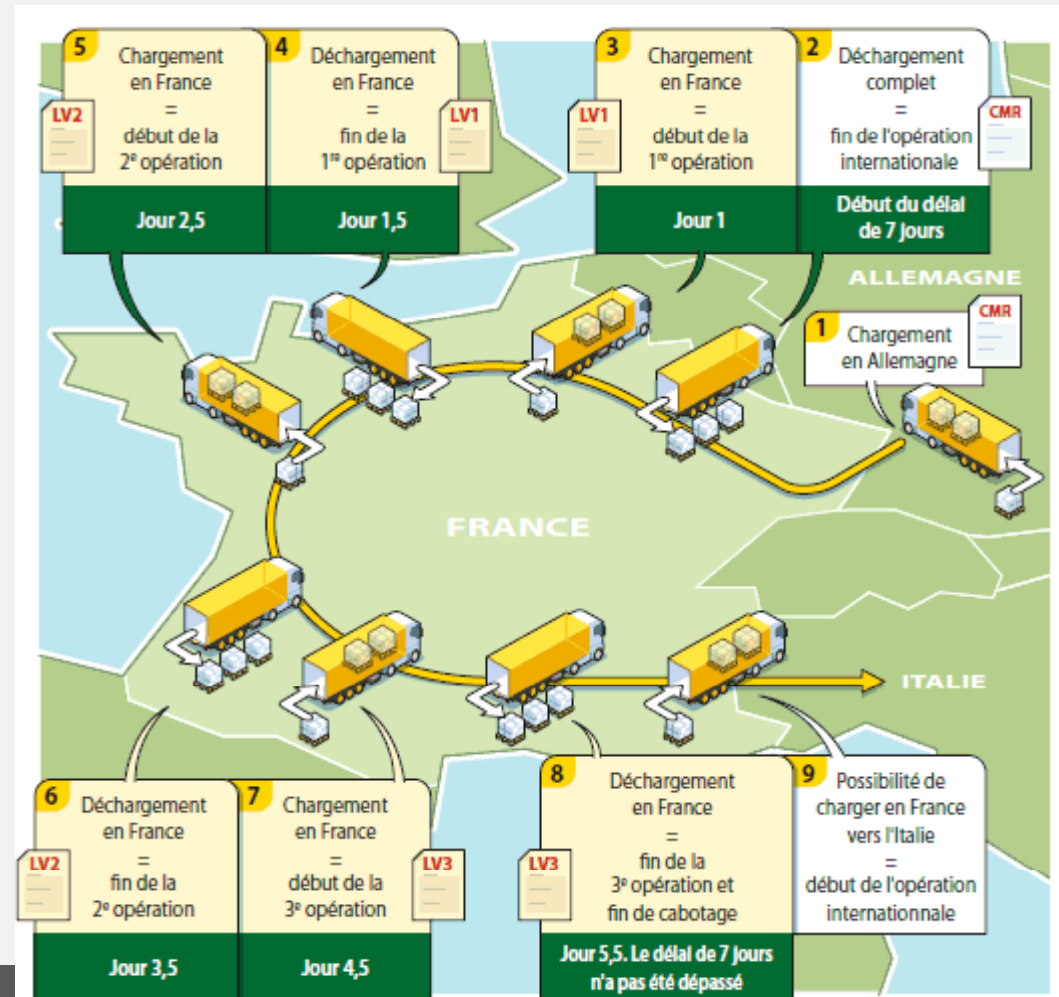
- All Ports :
  - ◆ Infrastructures and operations
  - ◆ Links with sea resources
  - ◆ Energy optimisation
  
- Traversability : optimise connections locally , across AA and with inland EU
  - ◆ connections between long distance and local/ regional
  - ◆ Rapid transit hubs
  - ◆ OFP / short line rail
  - ◆ Logistic platforms



- **Develop alternative modes to connect territories and inside urban areas**
  - ◆ **Coach (road cabotage)**
  - ◆ **Cycling**
  - ◆ **Waterways**
  - ◆ **Freight**

## London to Malaga

Service Number	120/286
Days of operation	TThSa
Period(s) of operation	
Check-in	0700
🚗 LONDON, UK	Depart 0800
<i>Channel crossing with</i> 1 🚗	
🚗 Paris, F	Arrive 1645 🕒
🚗 Paris, F	Depart 1800
Burgos, E	Arrive 0800
🚗 Area Suco, E	Arrive 0845 🕒
🚗 Area Suco, E	Depart 0930
🚗 MADRID, E	Arrive 1230
Bailen, E	Arrive 1700 🕒
Bailen, E	Depart 1700
Jaen, E	Arrive 1730
Granada, E	Arrive 1830
Guadix, E	Arrive 1915
Almeria Maritime, E	Arrive 2030
🚗 ALMERIA, E	Arrive 2045
Cordoba, E	Arrive
Lucena, E	Arrive
🚗 MALAGA, E	Arrive



# Alternatives modes : ex Cycling

## □ Slow tourism

- ◆ To be surprised (61%),
- ◆ To build relationships(60%),
- ◆ To calm down (52%),
- ◆ to be self centered (36%),
- ◆ to consolidate couples(28%)

### La Véloodyssée L'Atlantique en roue libre





- Integrate freight in cities transport organisation
  - ◆ Waterborne city logistics
  - ◆ Transit freight "harbour in the city"

- Develop water passengers modes



- **To develop lisibility, attractiveness**
  - ◆ **Travellers information on mobility facilities**
  - ◆ **Territory guidance**



