Facing the challenge:
Global requirements & market responses

Med Ports Forum 2019
Session 1 Objectives and constraints of the energy transition in maritime transport

Marseille, 26 juin 2019

Paul Tourret, Director
Five declinaisons of environmental challenges for Med ports

1. Climate change and maritime reduction of greenhouse gas emissions
2. Cities population question about pollution and public health
3. The trend of Med shipping companies innovation
4. Port responses of green shipping challenges
5. European ports competition
1. Climat change and maritime reduction of greenhouse gas emissions

- Sulfur cap 2020 by IMO
- SECA Med proposal by Med Europe countries.
- Evocation of speed limit for several categories of ships.
- OMI Goal for 2050 50% less of CO2 emission.
- We don't forget the energy saving process.
2. Cities population questions about pollution and public health

- Mediatic effect of marine engines fonctionnement (impressive smokes in restart).

- Obligatory reduction of particulate matter (PM10) for public health.

- High pressure from NGO et local associations.
3. The trend of Med shipping companies innovation

- Several companies with innovation ambitious are located in the Med area:
  - Containers (CMA CGM)
  - roro & ferry (Méditerranéen, Corsica Linea, Balearia, Grimaldi)
  - Cruise (Costa, MSC Cruise)

- The innovation is in progress with LNG fuel or other hybrid solutions.
4. Port responses of green shipping challenges

- Environmental solutions for ship: cold ironing (on shore electricity for ship), scrubber water management.
- New bunkering: LNG, methanol, hydrogen.
5. European ports competition

- Med ports ambitions for European hinterlands.
- Build more intermodal capacities (containers, trailers) in Med area.
- "CO2 emission transport" compatibility for sea and land itineraries in the future.
- Intra Med trade need green shipping too.