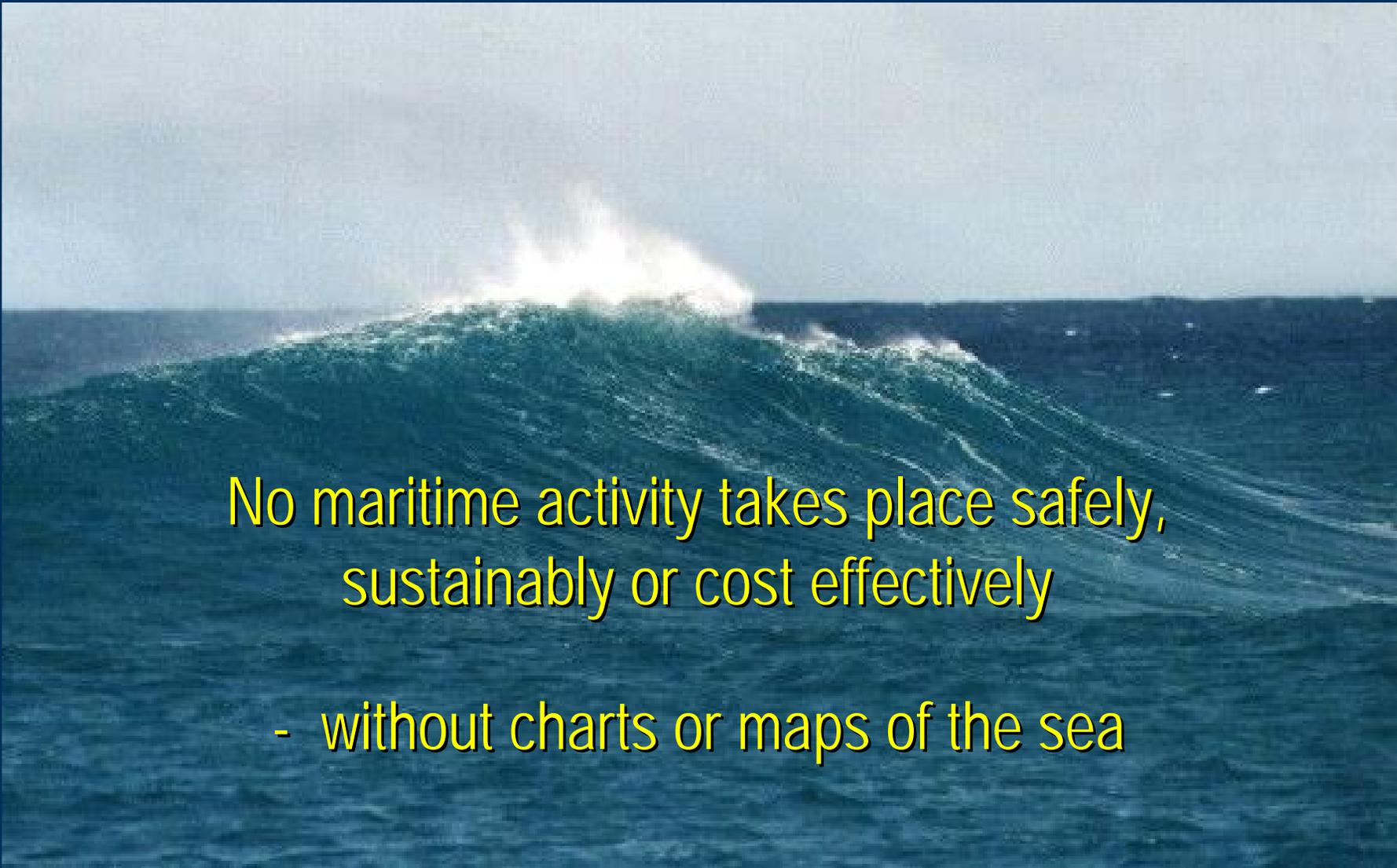




The *blue economy*



No maritime activity takes place safely,
sustainably or cost effectively

- without charts or maps of the sea



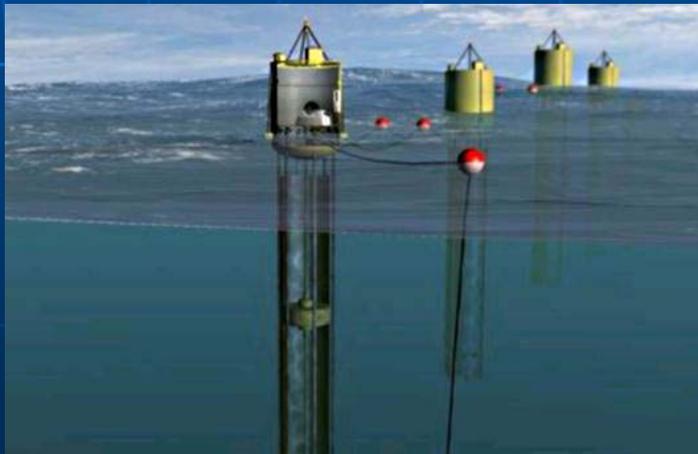
- no ship sails safely



- no port is built



- no offshore infrastructure is developed



- no environmental plan is implemented



- no shore is defended

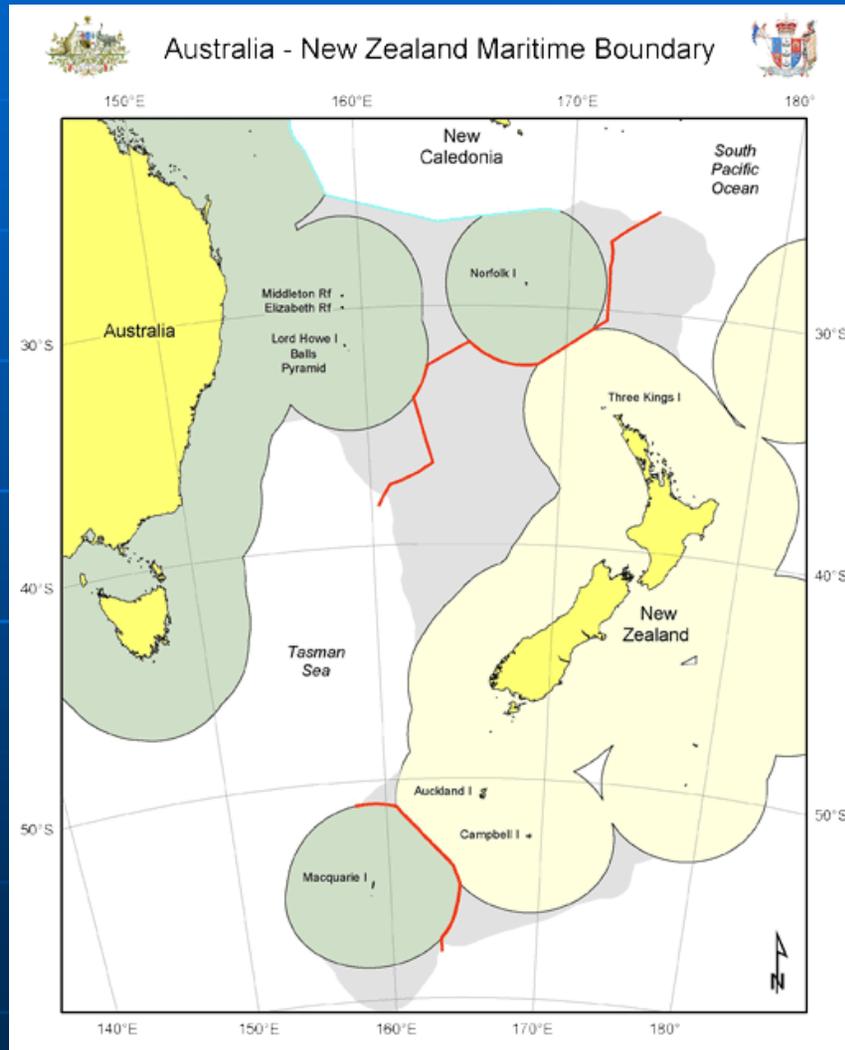
- no island protected



- no rescue is attempted



- no maritime boundary is delimited



... AND ... Hydrography

- is an increasingly important resource for :
 - Energy
 - Food
 - Medicines
 - Minerals
 - Recreation
 - Telecommunications
 -

All this is the blue economy!



- Some facts ...
 - cruise ship passengers spending \$100 each can mean \$250,000 for every day visiting a port
 - for most ships, 30cm extra depth of navigable water allows at least 2,000 tonnes more cargo to be carried



- the oceans already provide at least 15% of animal protein for about 3 billion people
- global aquaculture is worth more than \$106 billion
- the global fishing industry provides livelihood to more than 540 million people



- well over 95% of the world's intercontinental data and telephone traffic is passed by undersea cables
- offshore wind farms are increasingly cost competitive with fossil fuel and nuclear sources
- port economic activity usually generates at least one other indirect job for each new job



- economic studies show that the cost vs benefit ratio for national investment in hydrography and nautical charting is always positive and can be better than 1:10



Summary and Conclusion

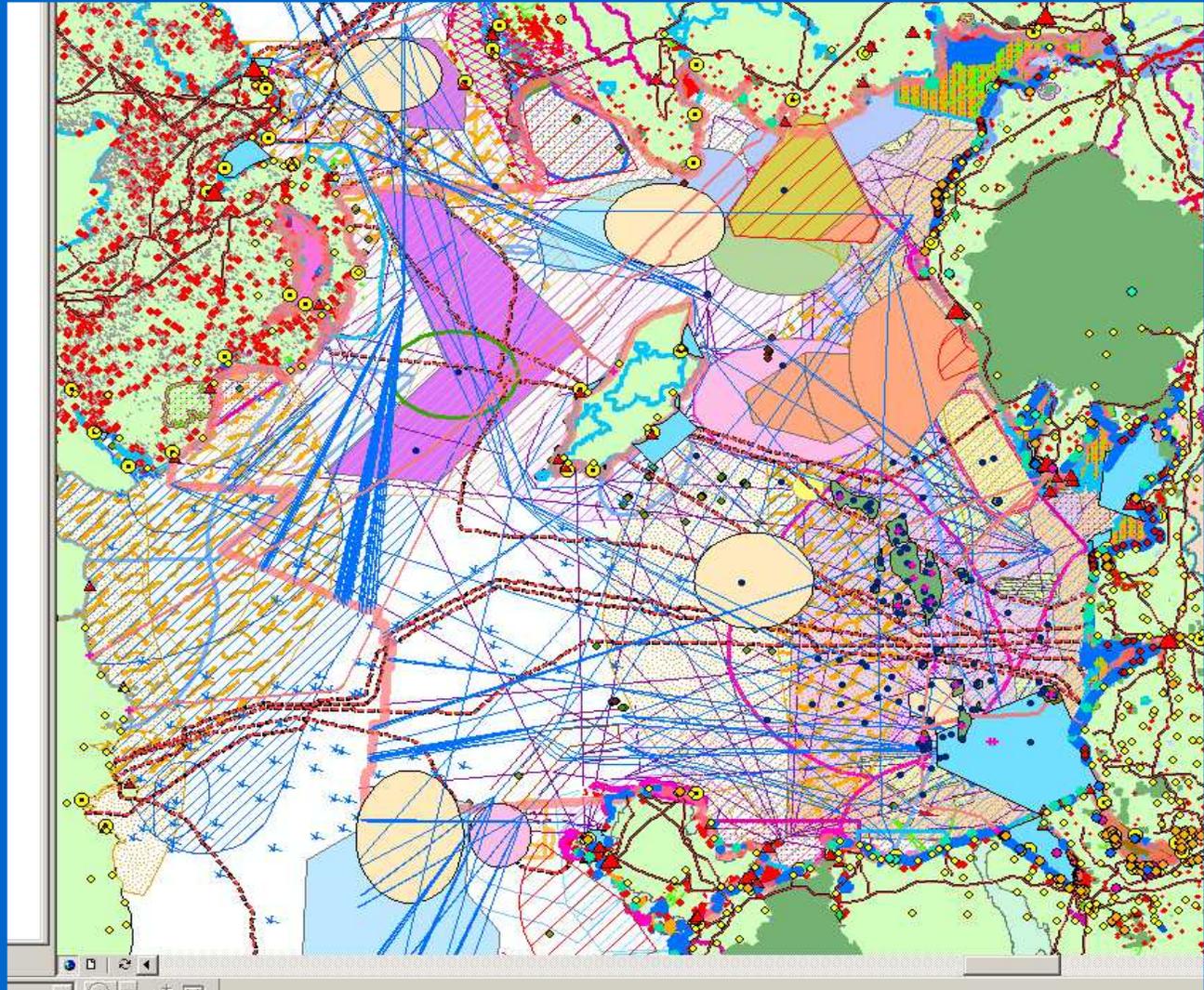
- national investment in hydrography is a good long term investment
- the potential benefits are largely unacknowledged by politicians and the public



Economic activity in the Irish Sea and coastal hinterland

Source: Defra Irish Sea Planning Pilot - 2006

- Land Use
- Tourism
- Oil & Gas
- Mariculture
- Coastal Defence
- Ports & Navigation
- Military Activities
- Culture
- Conservation
- Dredging & Disposal



- Submarine Cables
- Fishing
- Renewable Energy
- Marine Recreation
- Mineral Extraction

