

Grandi infrastrutture – le sfide ambientali/sociali ed il supporto degli studi modellistici

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Torino, 14-15 Ottobre 2015



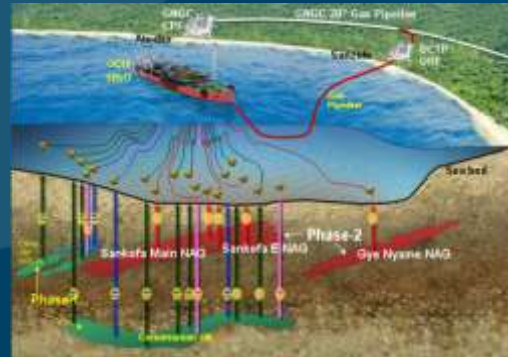
Italian DHI Conference 2015

Agenda

- Introduzione
- Ecosistemi Marini e Impatti
- Standard/Aspettative/Trend
- Il Supporto dei Modelli nella Valutazione d'Impatto Ambientale
- Conclusioni



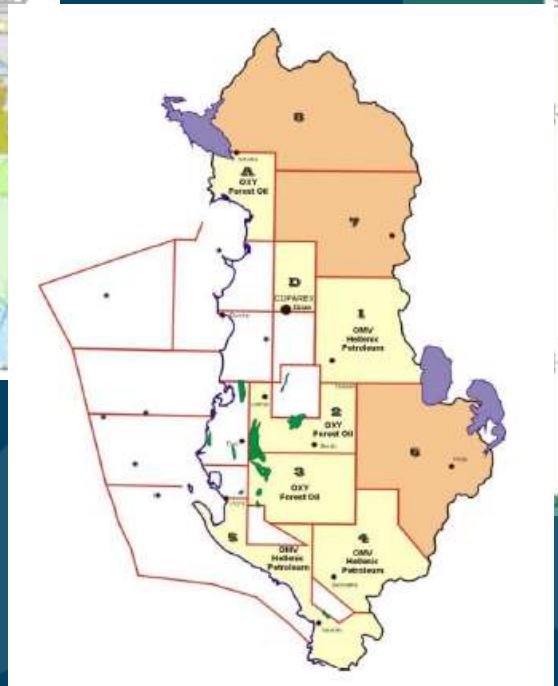
Introduzione



Introduzione

Current status of Exploration and Exploitation in Croatia

- Today, Croatia has 69 exploitation concessions of hydrocarbons (57 onshore and 3 offshore)
- At this point, there are 19 exploitation platforms and 1 compression platform within exploitation fields in the northern Adriatic
- According to the official mineral raw material reserves balance of the Republic of Croatia, we can notice a downward trend with respect to quantity of hydrocarbons produced on an annual basis
- In the Republic of Croatia, oil production fell by 28.5% while gas production fell by 34.8%, in the period between 2007 and 2013
- During above mentioned period, there were no significant investments in exploration activities which would result in new hydrocarbon discoveries



THE OFFSHORE BLOCKS

Offshore Blocks, Black Sea and the Adriatic
Oil & Gas 2015 Summit

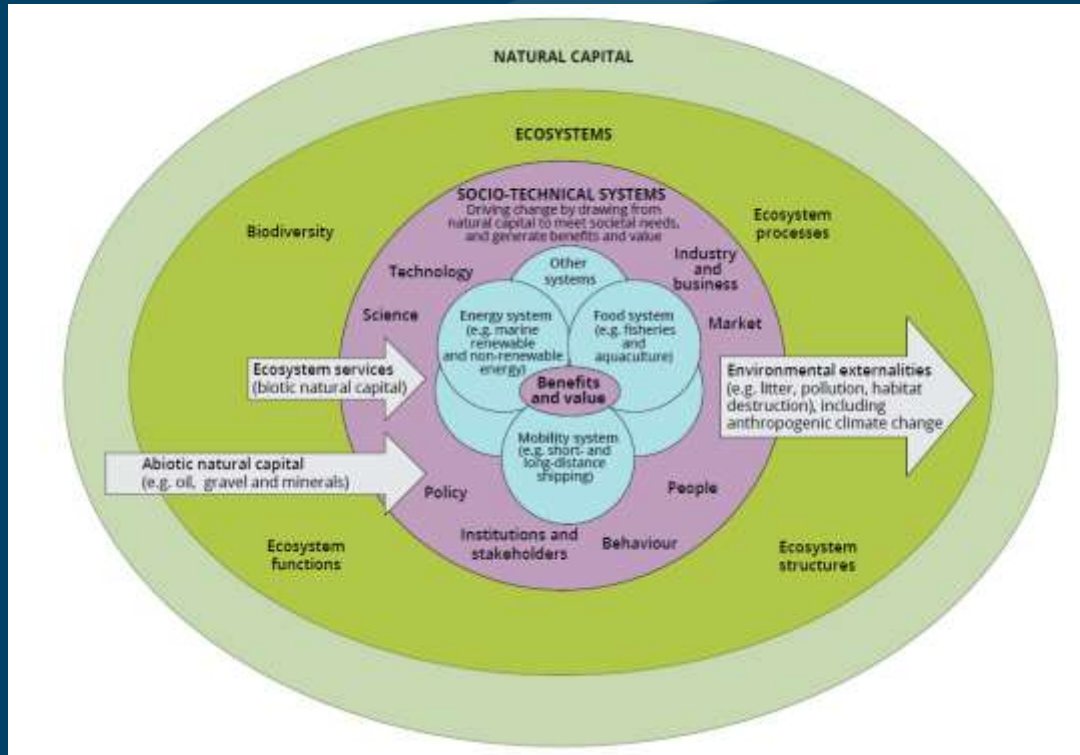


Blocks surface area range between 1,801 & 9,543 sq. km

Tender closed on July 14th 2015



Ecosistemi Marini e Impatti



Ecosistemi Marini e Impatti



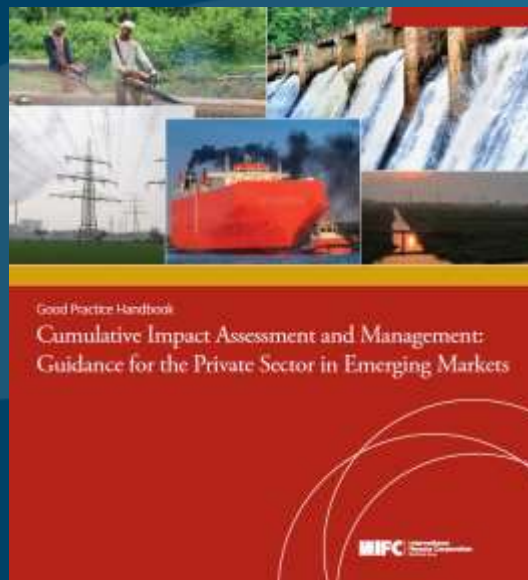
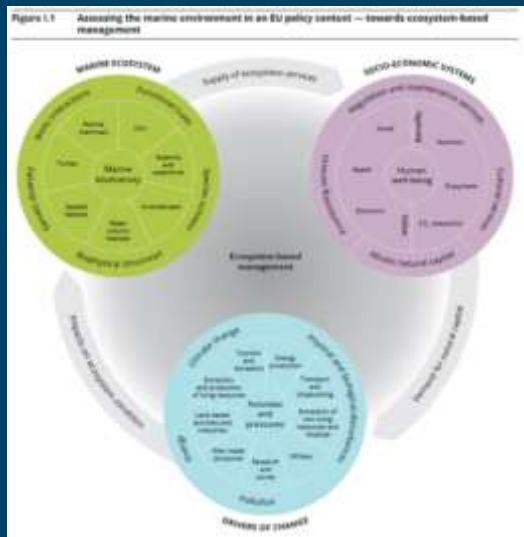
- *Posidonia oceanica*:
 - Specie minacciata (IUCN red-list) - Habitat Comunitario (Natura 2000);
 - Elemento chiave di svariati servizi ecosistemici;
 - Specie in declino, minacciata da :
 - impatti diretti (perdita fisica);
 - impatti indiretti (inquinamento/disturbo biologico/invasione di specie aliene).



Standard/Aspettative/Trend

- *Aspetti normativi* :
 - Impatti transfrontalieri
 - Marine Strategy Framework Directive/Common Fisheries Policy

- *Standard Internazionali*:

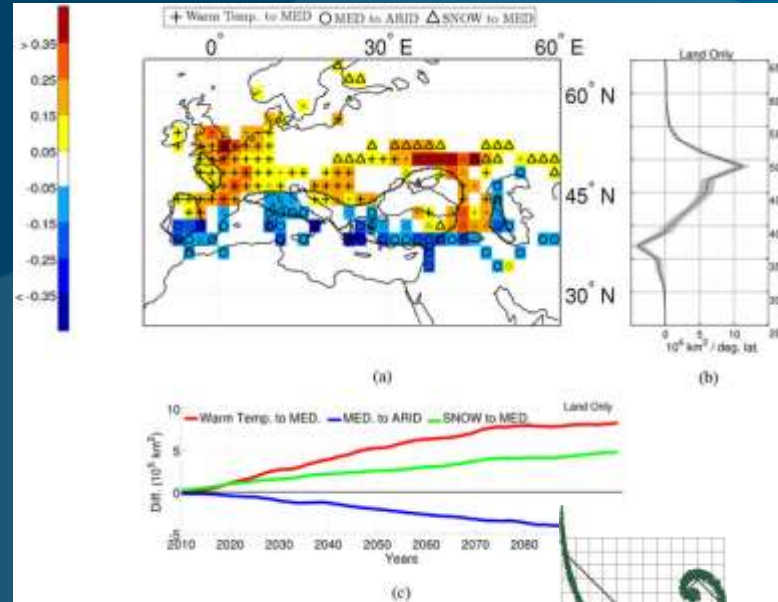


Standard/Aspettative/Trend

- *Aspettative : Social License*

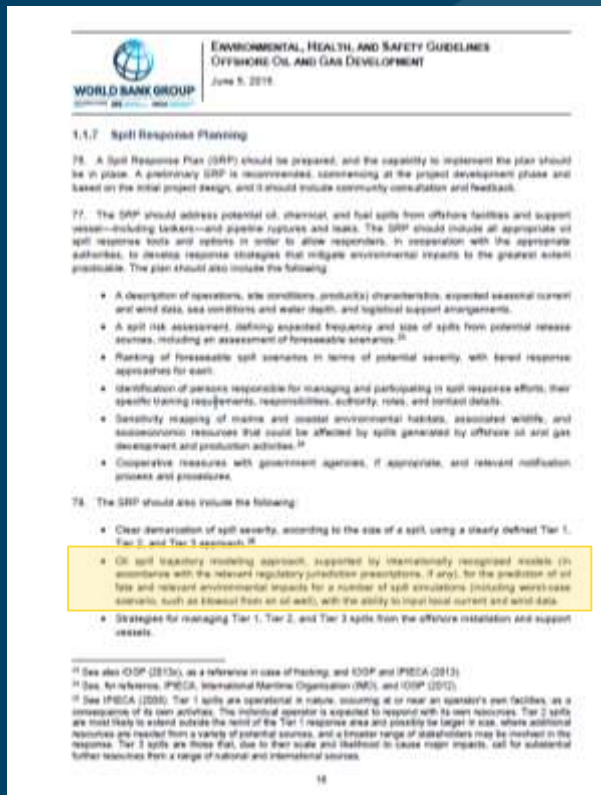


- *Trend : Climate Change:*



Il Supporto dei Modelli nelle VIA

- The SRP should address potential oil, chemical, and fuel spills from offshore facilities and support vessel—including tankers—and pipeline ruptures and leaks. The SRP should include all appropriate oil spill response tools and options in order to allow responders, in cooperation with the appropriate authorities, to develop response strategies that mitigate environmental impacts to the greatest extent practicable.



Conclusioni

- Banche dati di input : consistenti, aggiornate, accessibili, adeguate
- Strumenti modellistici : flessibili, efficaci, riconosciuti e vincolanti;
- Approccio deterministico :
 - accuratezza nella simulazione dei fenomeni fisici;
 - incertezza nella simulazione delle risposte dei recettori;
- Risorse (Industria, Legislatori, Autorità Competenti e Stakeholders) :
preparate e competenti



Grazie

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