



Ministério do Meio Ambiente - MMA

Instituto Brasileiro do Meio Ambiente e dos Recursos Naturais Renováveis- IBAMA
Diretoria de Licenciamento Ambiental – DILIC

Decomissioning Lessons Learned and Present Challenges

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Fundamentals

Constitution of the Federative Republic of Brazil, 1988

TITLE VIII - THE SOCIAL ORDER

CHAPTER VI - ENVIRONMENT

Article 225. All have the right to an ecologically balanced environment, which is an asset of common use and essential to a healthy quality of life, and both the Government and the community shall have the duty to defend and preserve it for present and future generations.

...

Paragraph 2. Those who exploit mineral resources shall be required to restore the degraded environment, in accordance with the technical solutions demanded by the competent public agency, as provided by law.

IBAMA

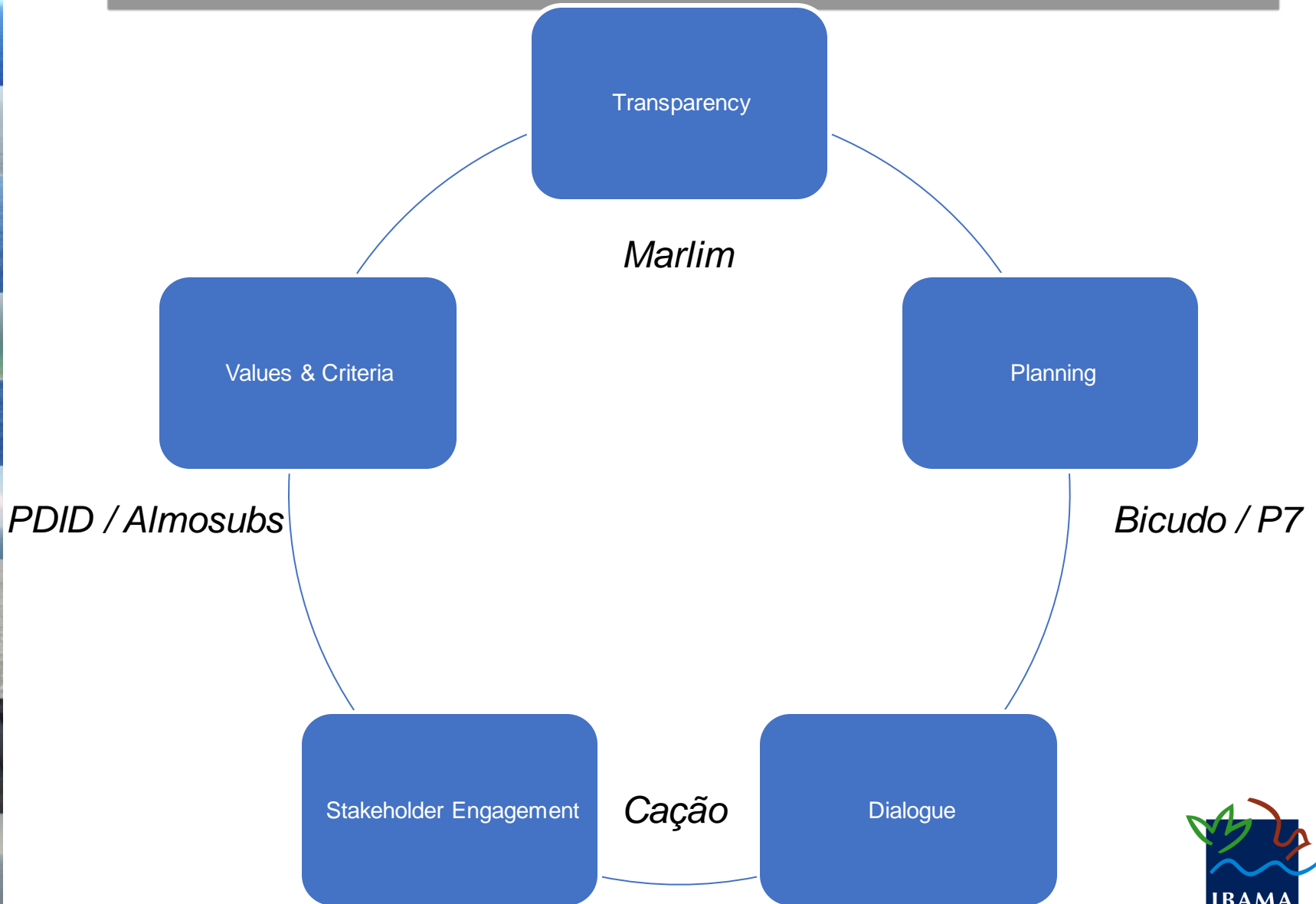
The Brazilian Institute of Environment and Renewable Resources – IBAMA is responsible for:

- Environmental Protection
- Environmental Permitting (Offshore O&G Projects)
- Emergency Response
- Environmental Quality

Where do we stand?

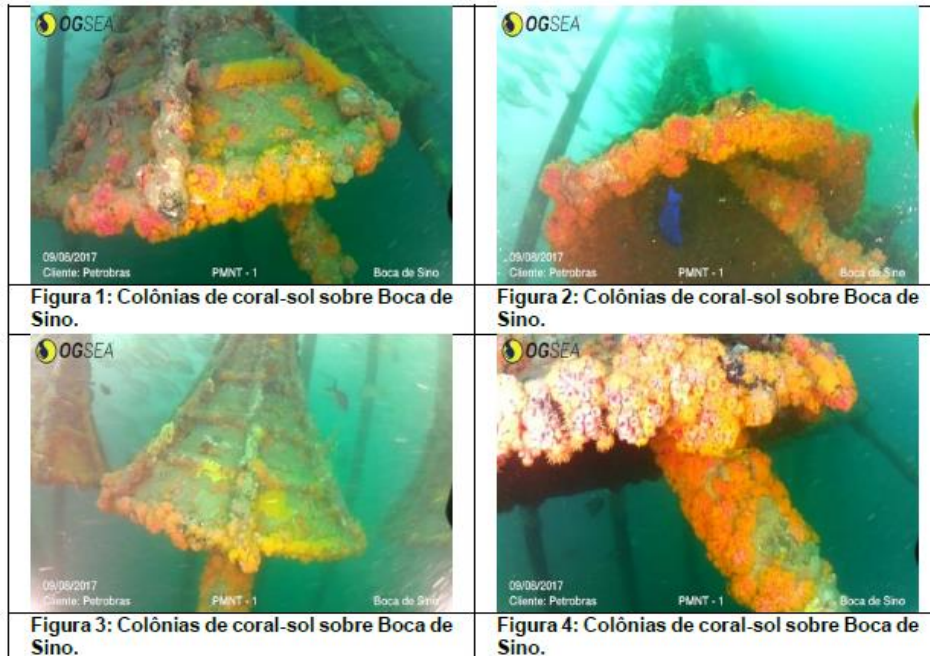
- The Technical Information nº 3/2019 - COPROD/CGMAC/DILIC, outlines the framework employed on decommissioning plans analysis;
- We keep in touch with other regulators (ANP, Navy), so we all work in the same direction;
- We are always open to dialogue and looking for best-practices.

Lessons Learned

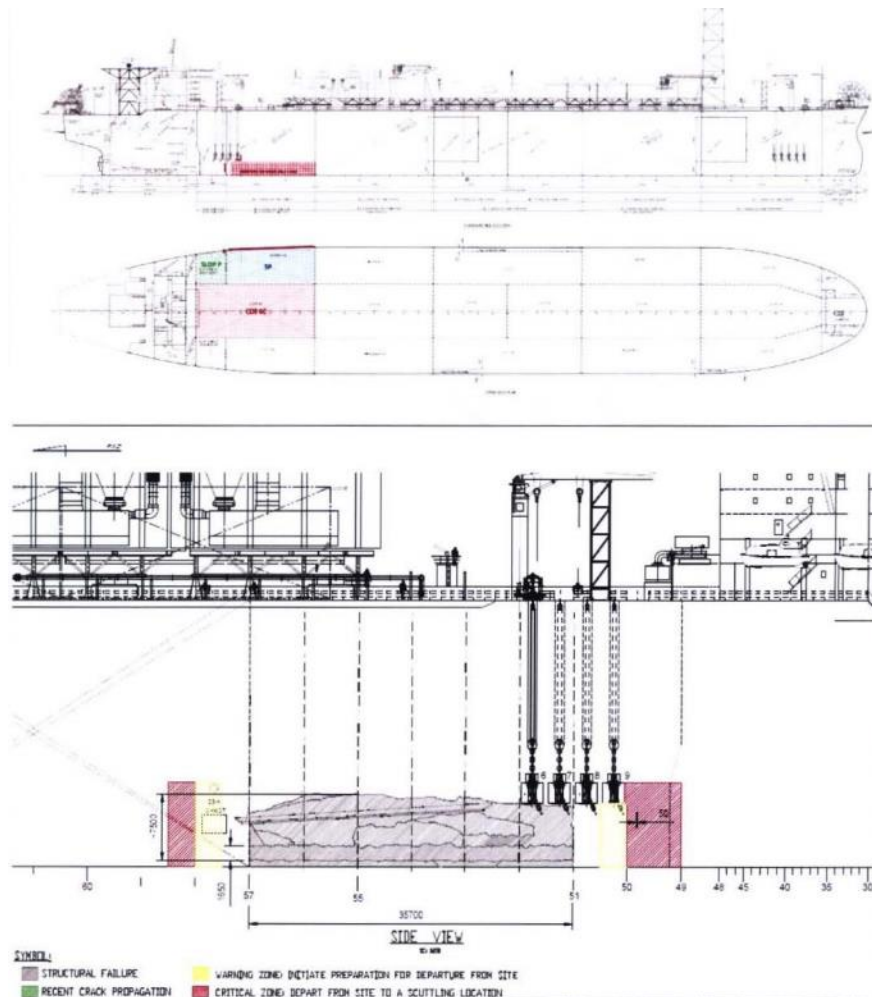


Brazilian Challenges

- Bioinvasion;
- Limited information;
- Solutions supply chain;
- T-NORM;
- Life-extension
 - Decomissioning: when, who and how;
 - Responsabilities must be clear.



The Case of FPRJ



Mid
2018 Cease
of Production

- Dec – Plan Presented
- Jan – Plan Approved

08/2019
Cracks in the
FPSO's hull

- Tanks still with produced water
- 26/08 Crew Evacuated

22/11 FPSO
in Jurong
Shipyard

- End of Emergency
- Sun-coral, T-NORM



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Thank You!

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