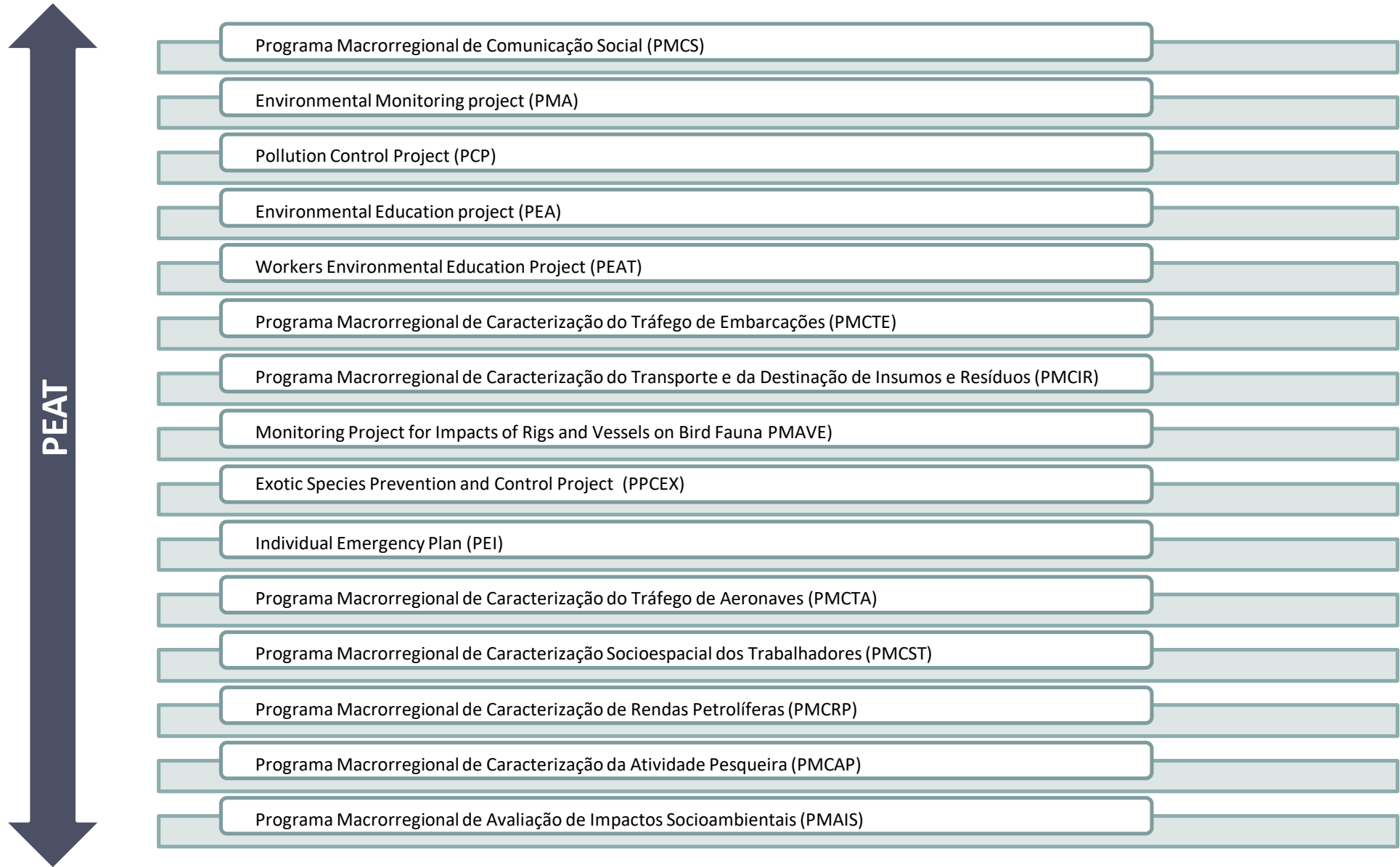


Prevention, Monitoring, Mitigation and/or Compensation Measures







The Workers Environmental Education Project (PEAT) is required within the scope of the environmental licensing of maritime activities for the production and flow of oil and natural gas.

Within the scope of the Macro Plan, the PEAT has the function, among others, of promoting participatory discussions with workers on relevant environmental issues inserted in their work reality, as well as favoring decision-making that consider the environmental aspects of their activities and the minimization of the generation of impacts on the environment, in addition to serving as a means of communication for the availability of information regarding concepts, aspects and environmental impacts of activities, environmental mitigation, monitoring and compensation projects, in addition to results from the implementation of environmental projects.



Its objective is to maintain a direct channel of communication and information with the population about:

- the area of influence;
- the enterprises;
- the environmental and social consequences;
- the mitigating measures adopted;
- distribution of inserts and newspapers.



The general goal of this PMA is to continue the PMPR, implemented by Petrobras since 2011, by monitoring physical-chemical and eco-toxicological parameters of seawater and physical-chemical and biological parameters of sediments in the Area of Influence of PPG-1 , which corresponds to a circle with a radius of 500 m around the rig, and also of control areas, aiming at evaluating

possible changes in the environmental quality of these compartments.

In summary, the objectives are:

- ✓ Annually monitor the physical-chemical and eco-toxicological parameters of the sea water around the PPG-1 and at a control point.
- ✓ Annually monitor the physical-chemical and biological parameters of marine sediments around PPG-1 and at a control point.
- ✓ Semi-annually monitor the physical-chemical and eco-toxicological parameters of the production water before disposal by PPG-1

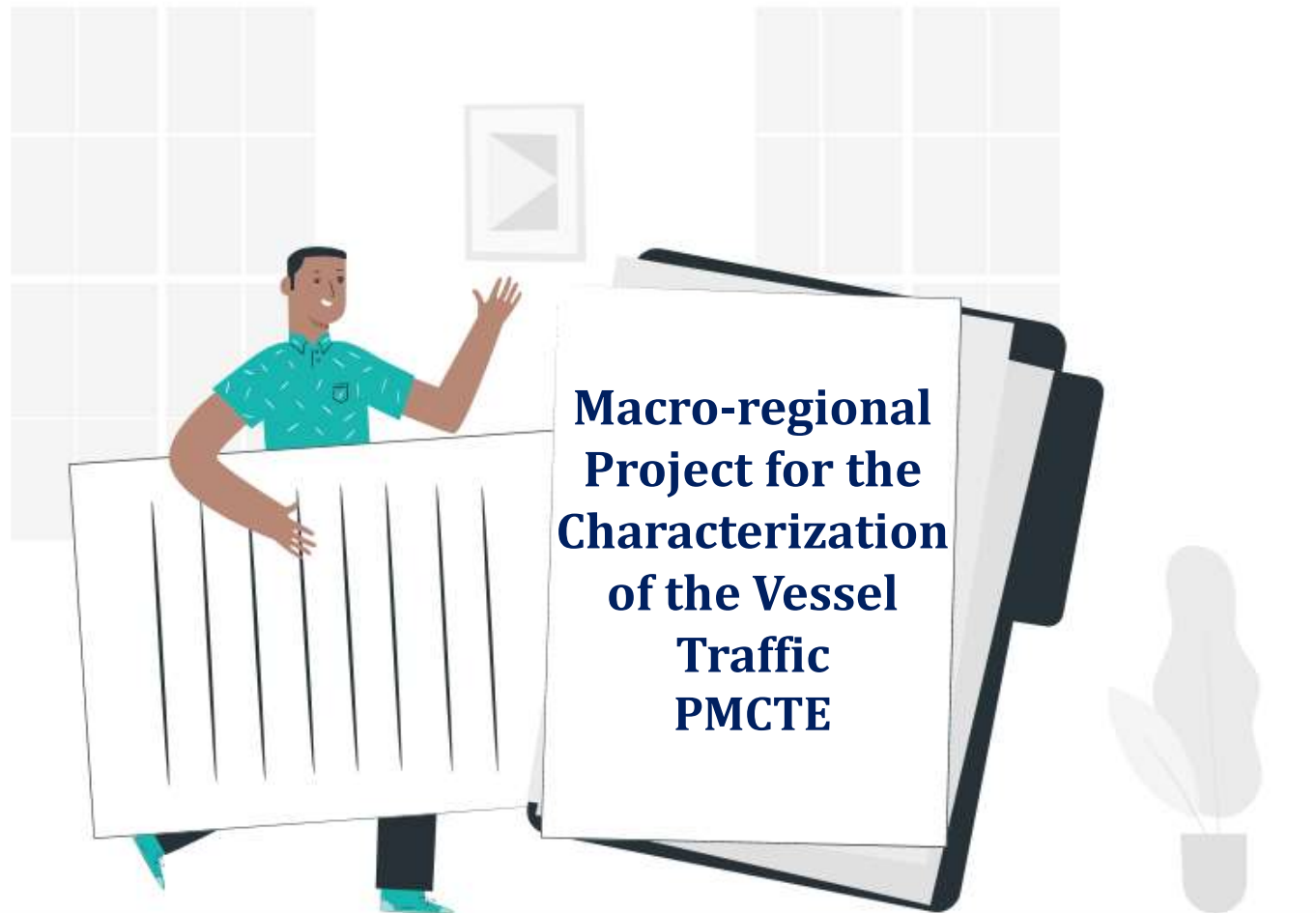
Compliance with the Technical Note CGPEG-DILIC-IBAMA 11/01

1. Generating the minimum possible amount of solid waste, liquid effluents and atmospheric emissions
2. Recycling the maximum possible amount of disembarked wasted;
3. Proceeding to the appropriate final disposal, that is, in accordance with the current legal standards, with all disembarked and non-recycled waste;
4. Seek procedures that minimize the pollution generated by atmospheric emissions and by the solid waste and liquid effluents that may be disposed at sea;
5. Continually improving the aforementioned procedures.



Coordinate and promote the integration of Environment Education actions linked to the licensing process at Campos Basin, seeking the participation of social groups affected by exploration activities.



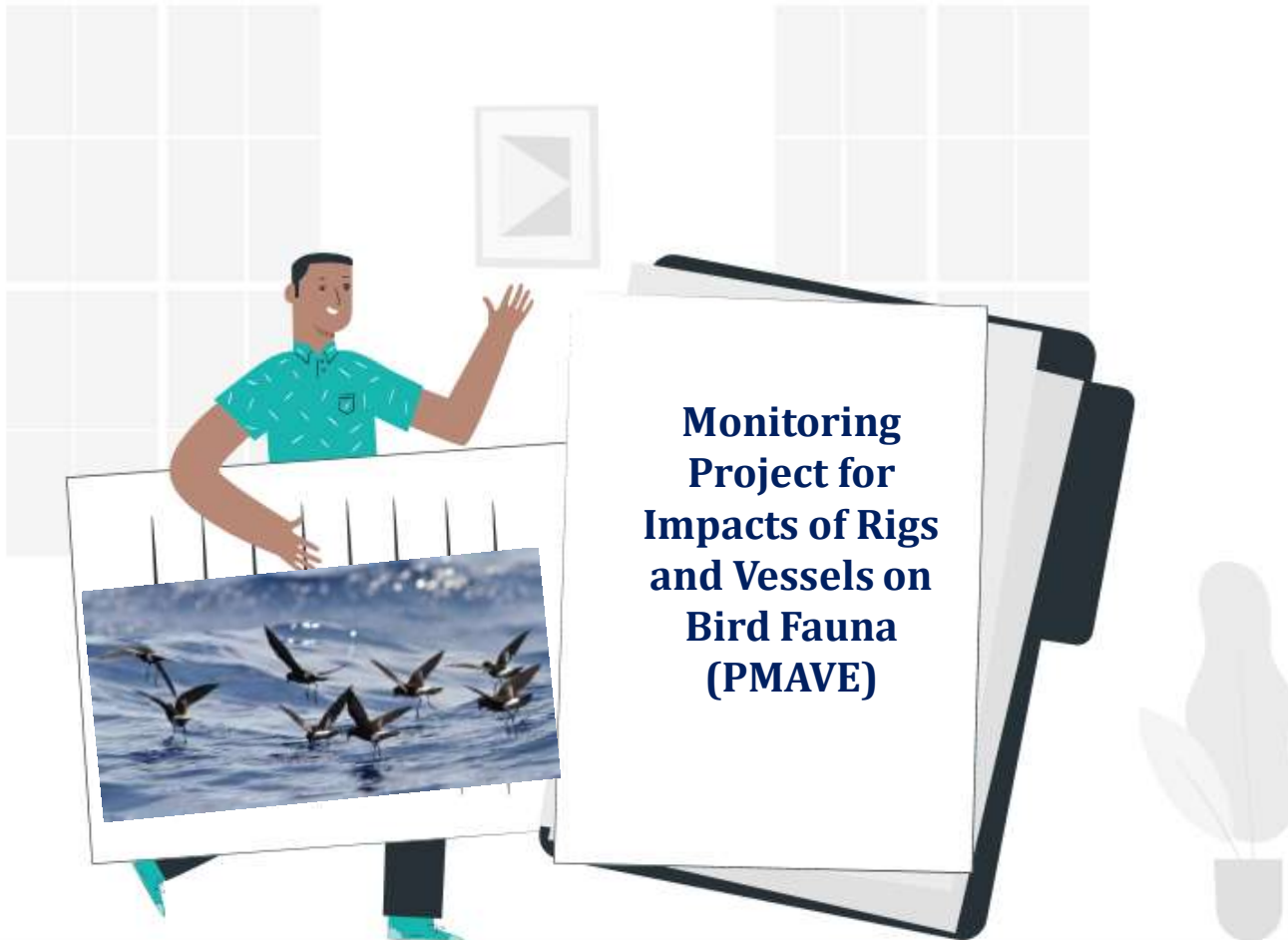


The PMCTE aims to understand the dynamics of support vessels and relief vessels that meet the logistical needs involved in the installation and operation activities of Perenco's drilling and production units, operating in the Campos Basin

Annually report information regarding the transport of cargo by land, inputs, equipment and waste to serve the projects located in the Pargo Complex, Campos Basin.



- Record all occurrences involving weakened, injured or dead birds, as well as agglomerations of bird fauna found on the rigs.
- Specify procedures for capturing, collecting, handling and transporting bird fauna .
- Each operational unit has an on-board technician responsible.



- Establish and detail actions for the prevention and control of invasive exotic species fouling in Exploration and Production (E&P) activities
- Includes offshore support vessels at the service of Perenco
- Orange cup coral



- Establishes responsibilities and actions to be taken immediately after an oil spill;
- Defines the procedures, teams and materials suitable for combating pollution in the unit.





O programa visa caracterizar e monitorar o tráfego de aeronaves e o uso de bases aeroportuárias para atendimento aos empreendimentos marítimos de produção e escoamento de petróleo e gás natural das operadoras atuantes nas bacias de Santos, Campos e Espírito Santo (PMCTA), fornecendo subsídios para avaliações dos impactos socioambientais associados ao tráfego e uso.



O programa visa caracterizar e monitorar as mudanças no trabalho demandado, no perfil socioeconômico e na dinâmica espacial de deslocamentos de trabalhadores diretamente associados às atividades marítimas de produção e escoamento de petróleo e gás natural nas Bacias de Santos, Campos e Espírito Santo, bem como os impactos socioambientais diretamente associados a essas características e mudanças.



O programa visa caracterizar e monitorar a geração e distribuição das rendas petrolíferas entre os beneficiários, o grau de dependência gerado nos orçamentos públicos municipais e, a existência de efetividade de mecanismos de controle social nos municípios da área de influência das atividades marítimas de produção e escoamento de petróleo e gás natural nas Bacias de Santos, Campos e Espírito Santo.



O programa visa Caracterizar territórios pesqueiros e monitorar a vulnerabilidade de pescarias a impactos das atividades e de empreendimentos marítimos de Exploração e Produção de Petróleo e Gás Natural (E&P) nas Bacias de Santos, Campos e Espírito Santo.



O PMAIS é um dos elementos operacionais do Plano Macrorregional de Gestão de Impactos Sinérgicos das Atividades Marítimas de Produção e Escoamento de Petróleo e Gás Natural (Plano Macro), que foi proposto pela COPROD/Ibama às empresas operadoras de atividades marítimas de produção e escoamento de petróleo e gás natural atuantes nas Bacias de Santos, Campos e Espírito Santo, diante de um cenário de aumento do número de atividades e empresas nessa região, de um número reduzido de analistas ambientais e da necessidade de integração, padronização e otimização da gestão de impactos socioambientais.

O programa visa analisar os resultados dos projetos ambientais; a manutenção do banco de dados para congregar as ações regionais de monitoramento; a sistematização dos resultados dos projetos de mitigação e de monitoramento e a consolidação de análises regionais (incluindo indicação de empreendimentos de apoio na cadeia produtiva).

Os produtos do PMAIS serão: Banco de Dados e o Anuário Macrorregional.



P E R E N C O



Thank you