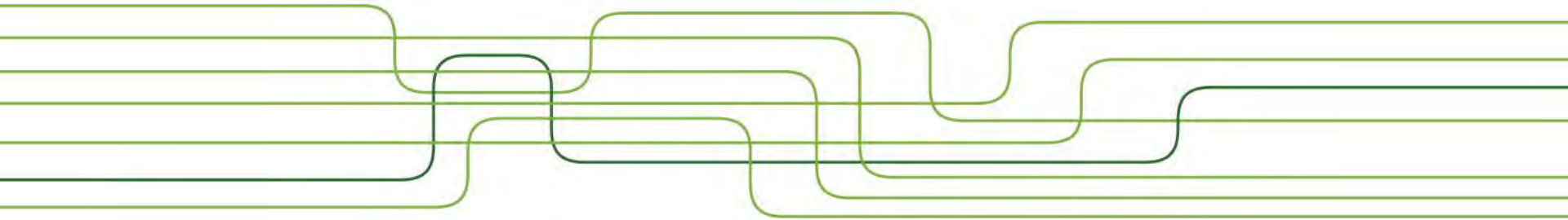


Brasil12thRound

Oil & Gas Bidding Rounds

Environmental Guidelines

Luciene Ferreira Pedrosa



Resolution CNPE n. 08/03

Environmental guidelines for carrying out the bidding for exploratory blocks

“Art. 2nd. National Petroleum Agency – ANP should obey the following guidelines:

...

V - select areas for bidding rounds, accepting possible exclusions of areas by environmental restrictions, based on joint declaration of ANP, Federal Environmental Agency (“Instituto Brasileiro do Meio Ambiente e dos Recursos Naturais Renováveis – IBAMA”) and State Environmental Agencies...”

Environmental Statements

Offshore/Onshore blocks

AWAITING

GTPEG

Work Group for Oil and Gas
Exploration and Production
Activities

Onshore blocks

State Environmental Agencies
("OEMAs") responsible for:

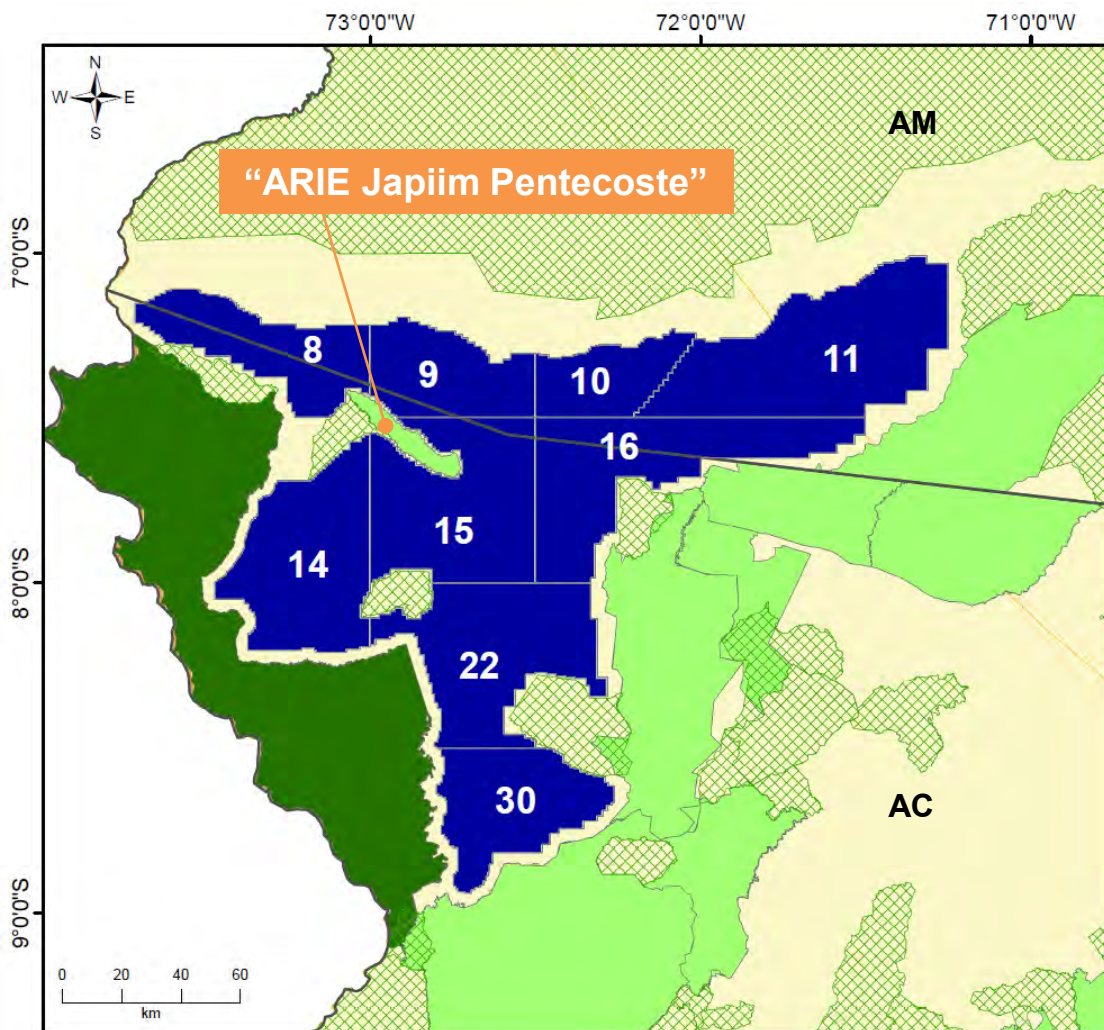
- Management of State Conservation Units
- Environmental Licensing

All blocks to be offered in the 12th Round were considered suitable for the E&P activity by the state environmental agencies






Acre Basin

SEMA-IMAC/AC

Management plan
(work in process) of “ARIE Japiim Pentecoste” should be considered (activities close or inside the future buffer zone should be approved by the conservation unit council)



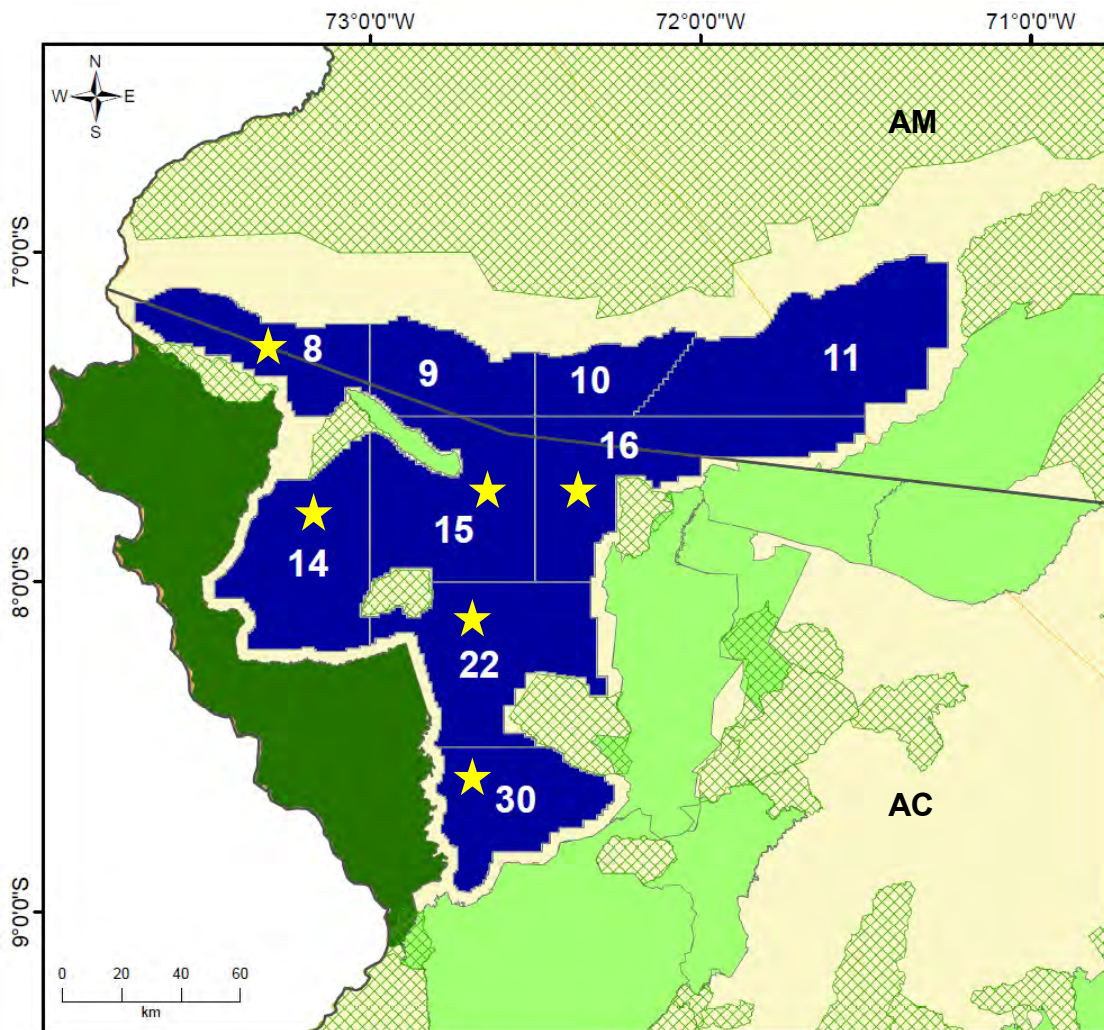
Legend

-  Sedimentary basin
-  Sustainable Use Conservation Unit
-  Integral Protection Conservation Unit
-  Indigenous Lands
-  R12 Blocks






Acre Basin

SEMA-IMAC/AC

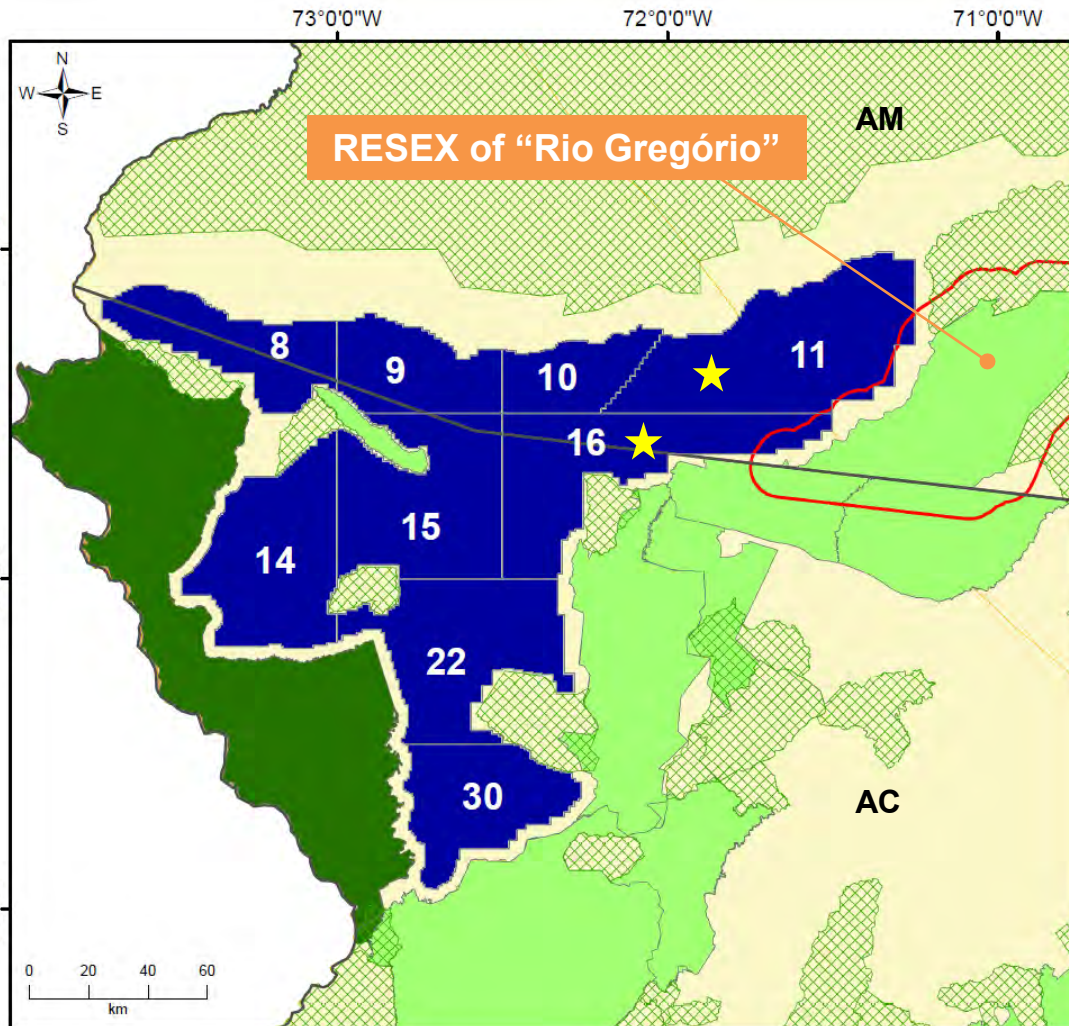
**AC-T-8, 14, 15, 16, 22 and 30 →
will depend on INCRA consent
for activities carried out in
overlap with settlements**



Legend

-  Sedimentary basin
-  Sustainable Use Conservation Unit
-  Integral Protection Conservation Unit
-  Indigenous Lands
-  R12 Blocks

Acre Basin



SDS/AM

**AC-T-11 and 16 → State
RESEX of "Rio Gregório"
buffer zone (10 km)**

**Will need the consent of
the conservation unit
council**

Legend

-  Sedimentary basin
-  Sustainable Use Conservation Unit
-  Integral Protection Conservation Unit
-  Buffer Zone
-  Indigenous Lands
-  R12 Blocks

SDS/AM

- **Ensure the conservation of biodiversity, protection of water bodies and biological connectivity of natural resources**
- **Consider the communities living in the region and their lifestyles**

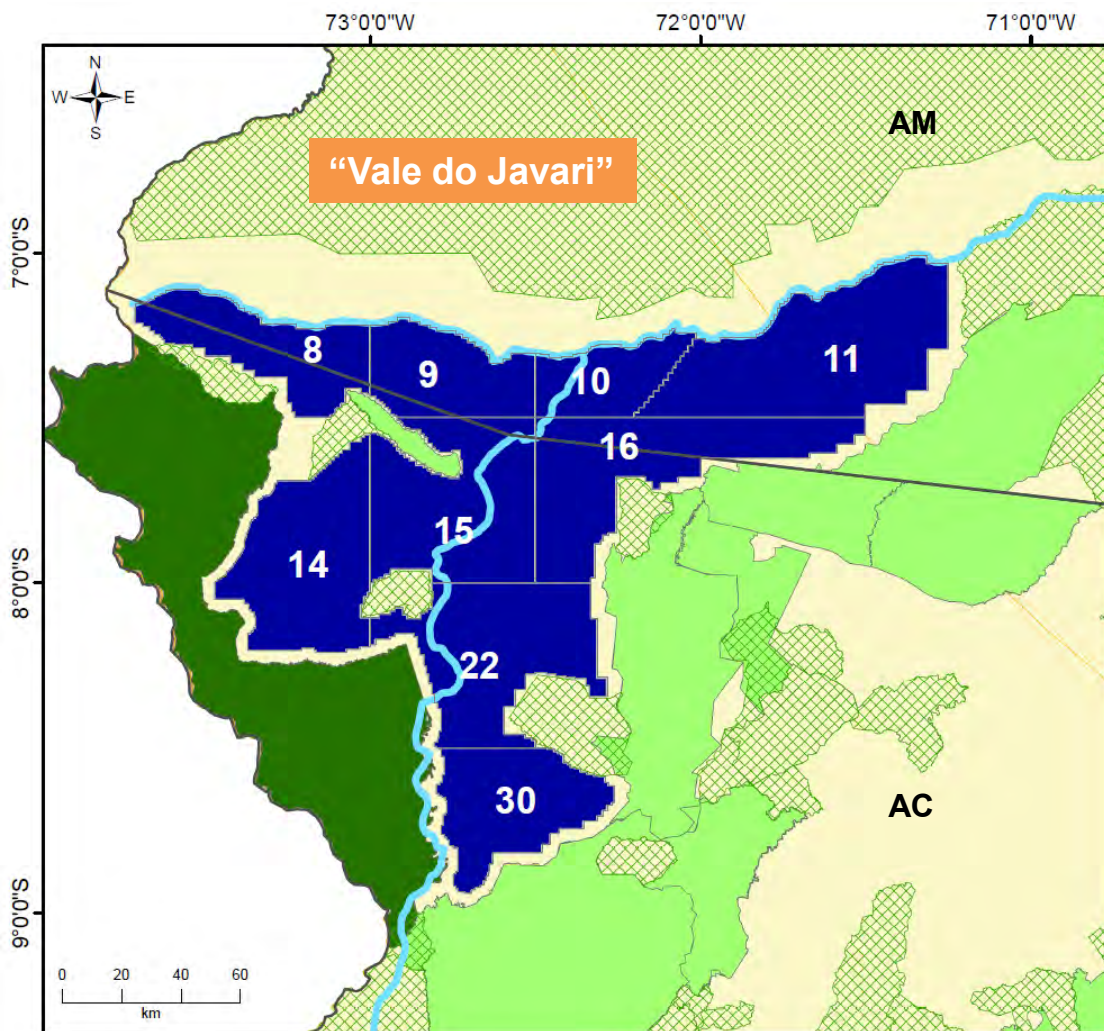
IPAAM/AM

- **The statement lists the restrictions and technical conditions for the implementation of oil and gas exploration and production activities**

Acre Basin

National Indian Foundation - FUNAI

Blocks south of Vale do Javari Indigenous Land to the left edge of the Ipixuna River were cut off due to the presence of isolated Indians



Legend

-  Hydrography
-  Sedimentary basin
-  Sustainable Use Conservation Unit
-  Integral Protection Conservation Unit
-  Indigenous Lands
-  R12 Blocks

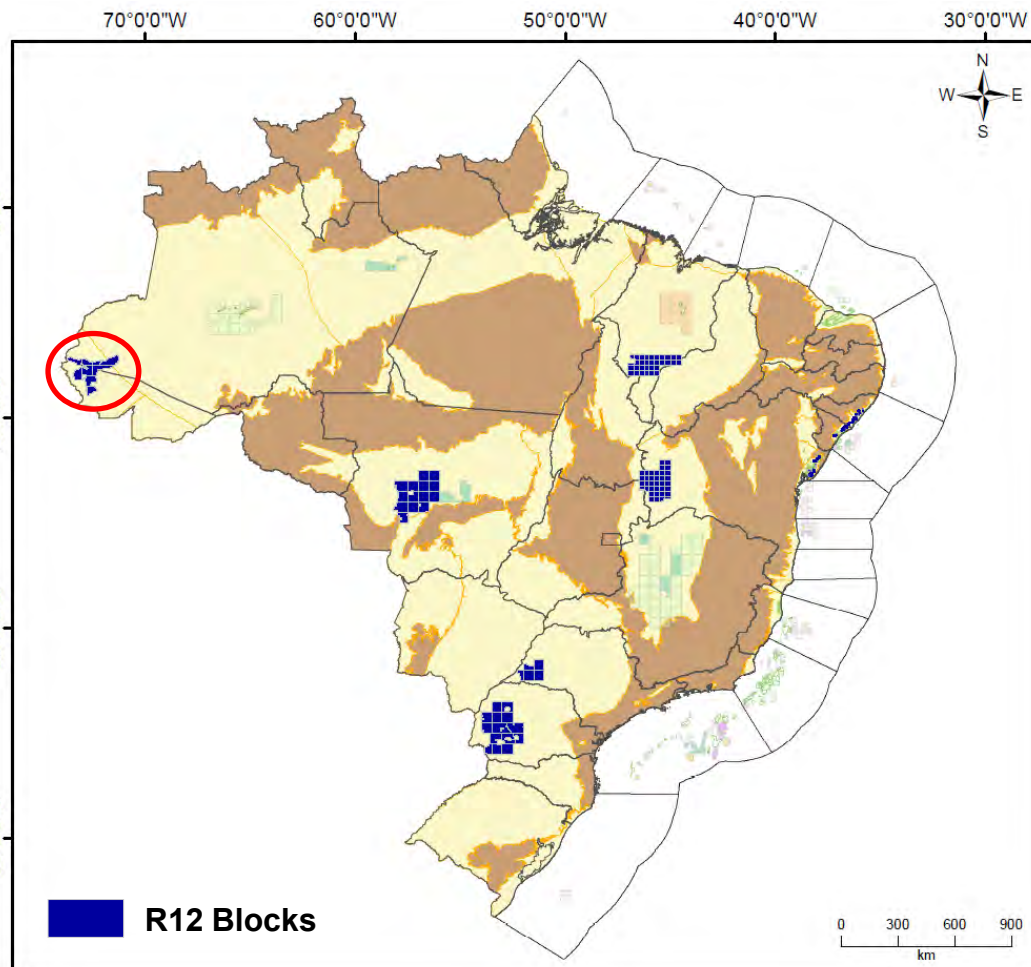
Acre Basin

- **Acre**

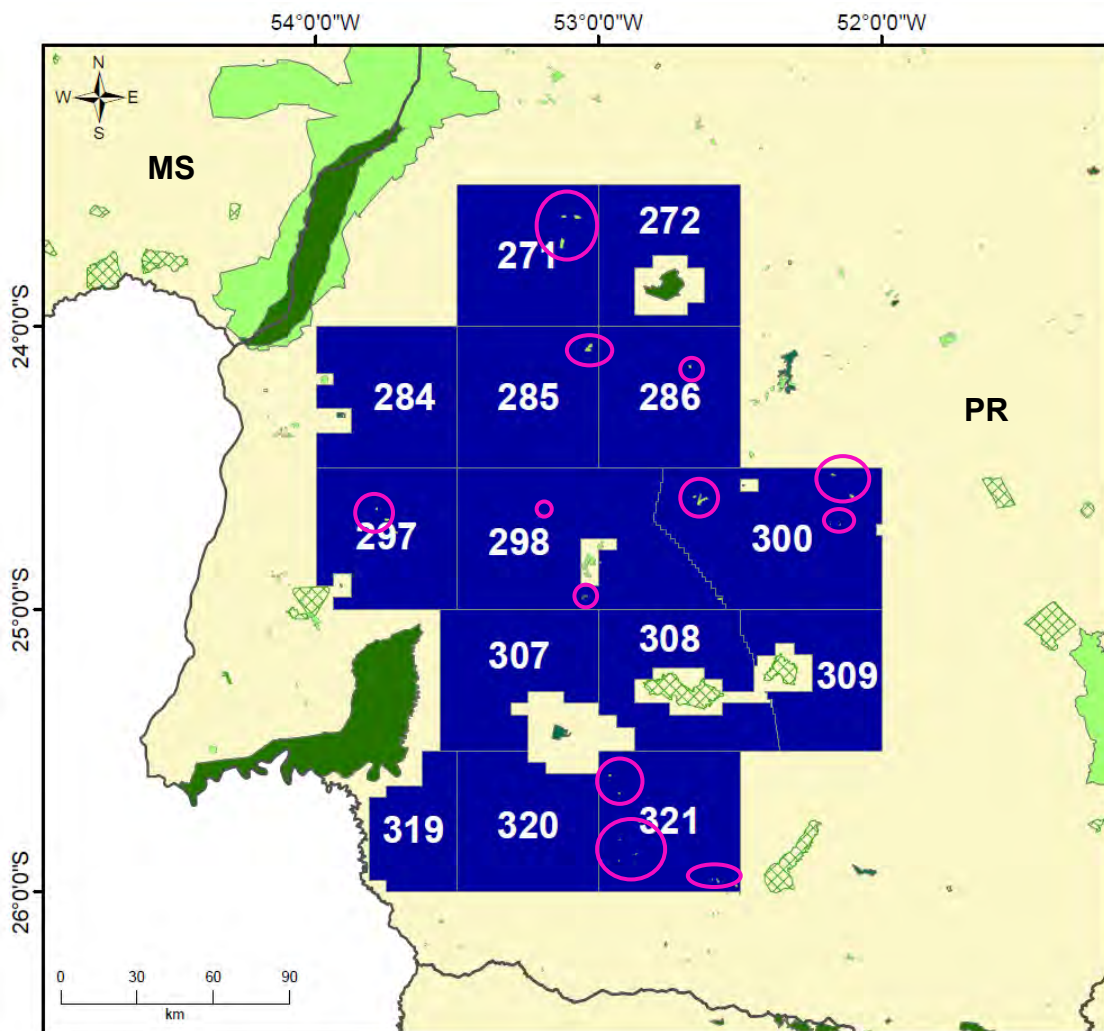
**“Instituto de Meio Ambiente
do Acre (IMAC)”**

- **Amazonas**

**“Instituto de Proteção
Ambiental do Amazonas
(IPAAM)”**








Paraná Basin



IAP/PR

**Activities will not be
allowed in Private Natural
Reserves – “RPPN”**

Legend

-  Sedimentary basin
-  Sustainable Use Conservation Unit
-  Integral Protection Conservation Unit
-  Indigenous Lands
-  R12 Blocks

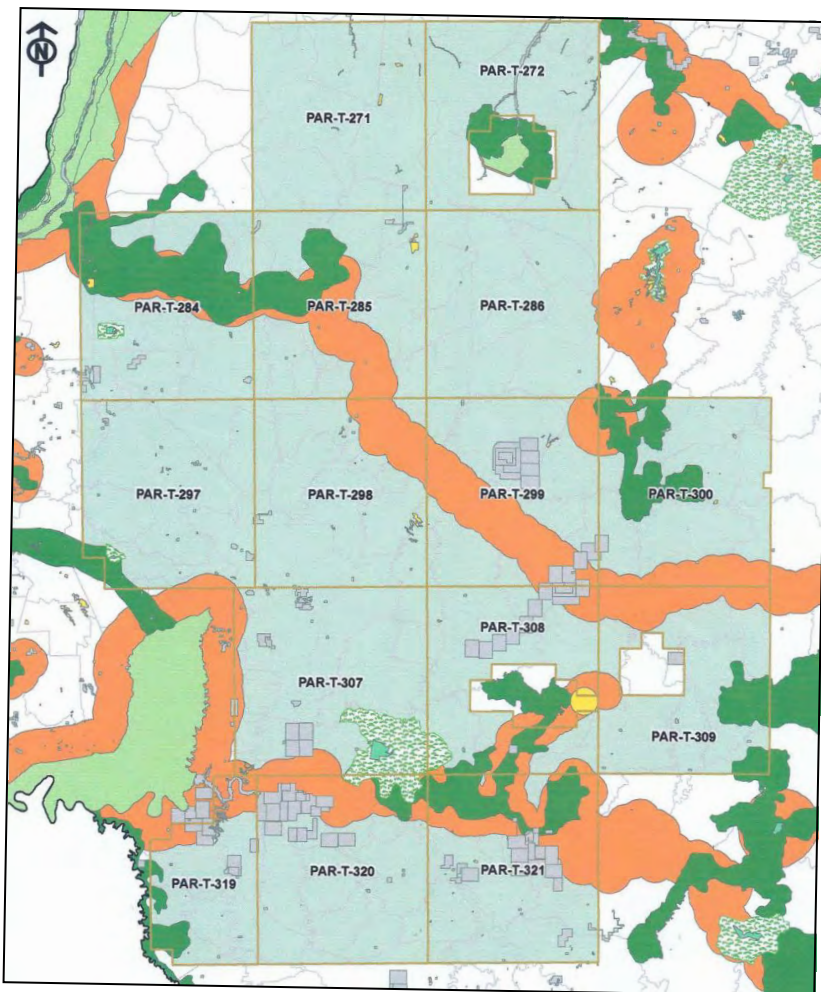
Paraná Basin

IAP/PR

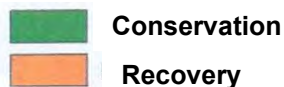
Presence of “strategic areas for the conservation and recovering of biodiversity”

**Activities will be evaluated in detail
(Directive SEMA/IAP n. 005/2009)**

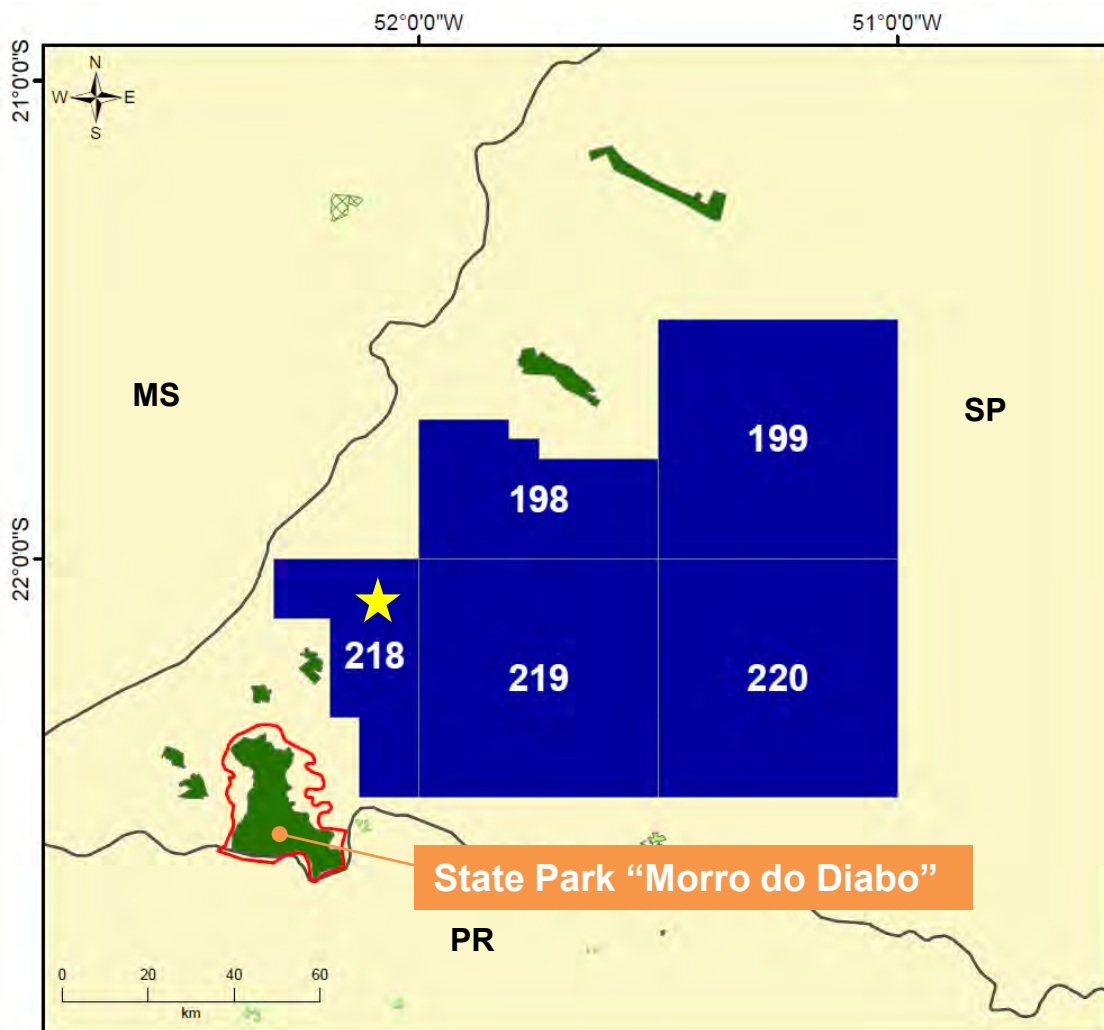
**Presence of biodiversity corridors,
which should have their
environmental standards observed**



Strategic areas



Paraná Basin



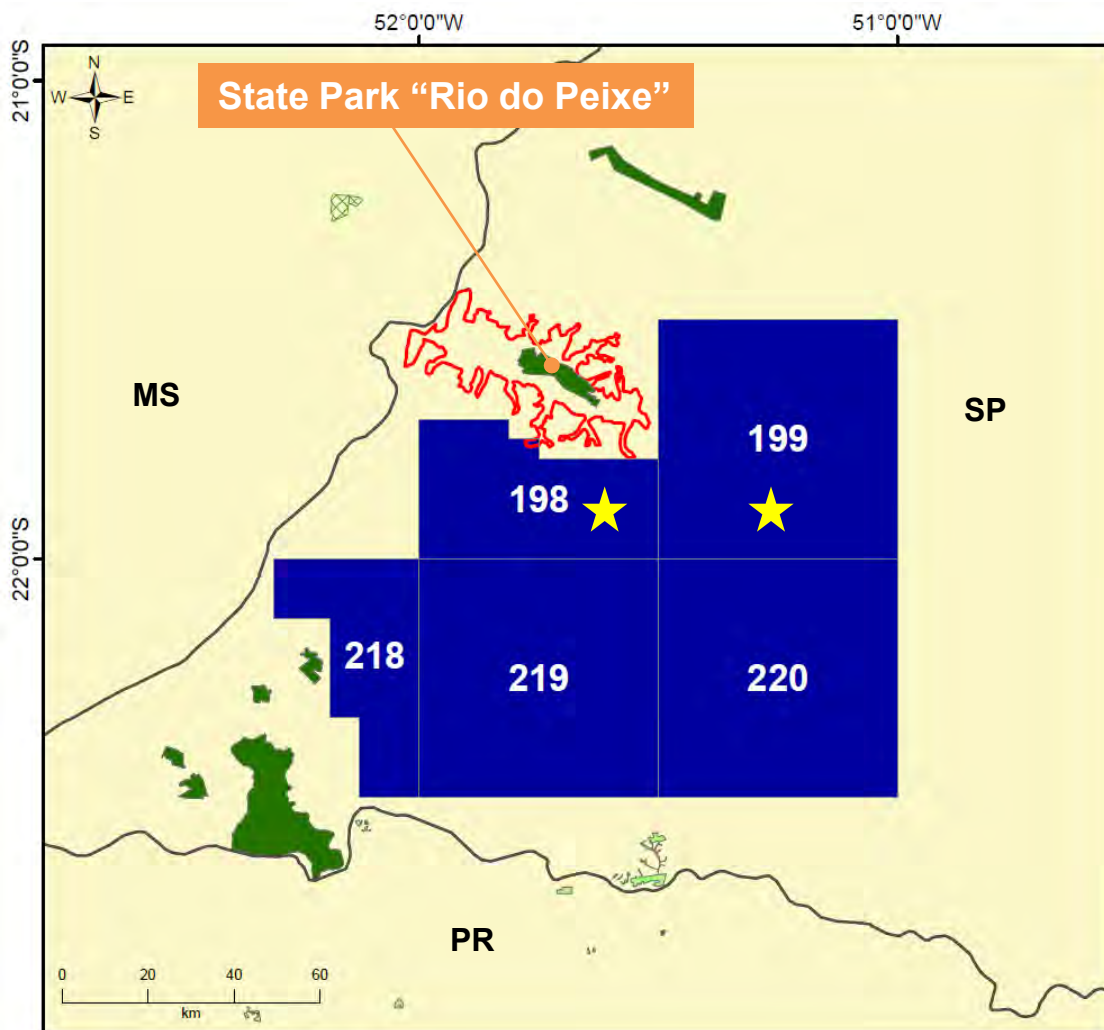
CETESB/SP

**PAR-T-218 → proximity with
the state park "Morro do
Diabo" buffer zone**

Legend

-  Sedimentary basin
-  Sustainable Use Conservation Unit
-  Integral Protection Conservation Unit
-  Buffer Zone
-  Indigenous Lands
-  R12 Blocks


Paraná Basin



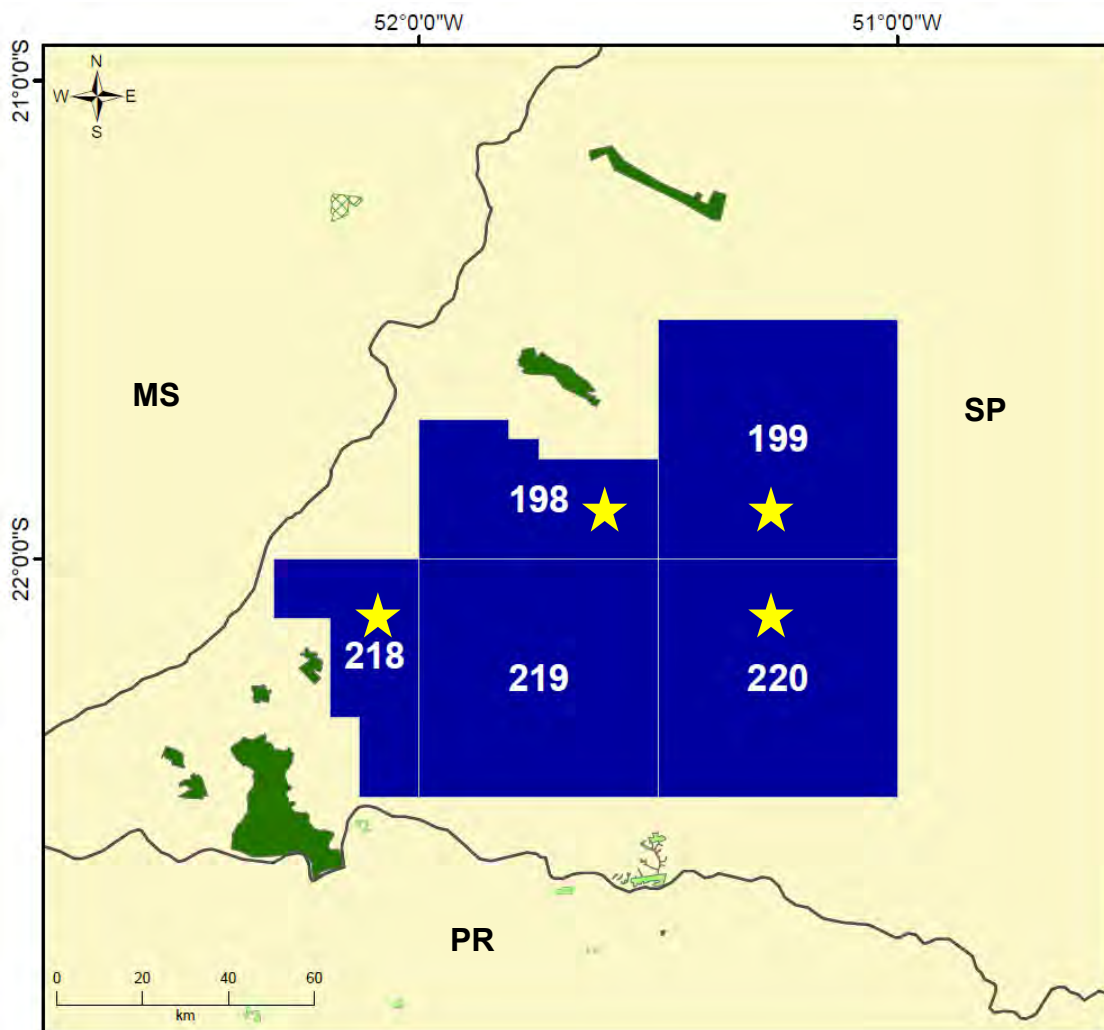
CETESB/SP

**PAR-T-198 and PAR-T-199 →
proximity with the state park
"Rio do Peixe" buffer zone**

Legend

-  Sedimentary basin
-  Sustainable Use Conservation Unit
-  Integral Protection Conservation Unit
-  Buffer Zone
-  Indigenous Lands
-  R12 Blocks






Paraná Basin



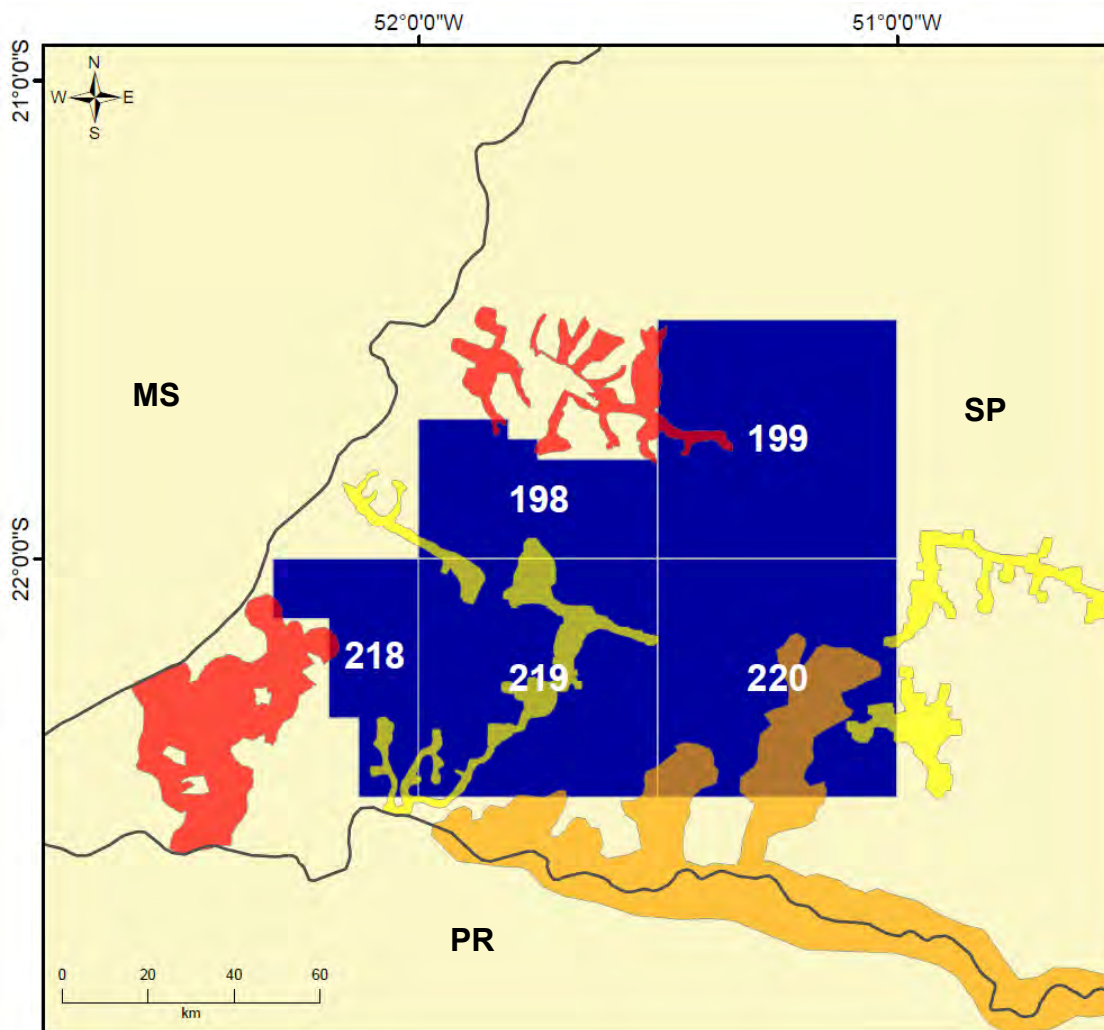
CETESB/SP

**PAR-T-198, 199, 218 and 220 →
occurrence of areas planned
for the implementation of
Private Natural Reserves and
ecological corridors**

Legend

-  Sedimentary basin
-  Sustainable Use Conservation Unit
-  Integral Protection Conservation Unit
-  Indigenous Lands
-  R12 Blocks

Paraná Basin



CETESB/SP

**Presence of Priority Areas
for Conservation of Atlantic
Rain Forest and “Cerrado”
biodiversity**

Legend

 Sedimentary basin

 R12 Blocks

Priority

 Extremely High

 Very High

 High

CETESB/SP

- **Presence of:**
 - **State and federal Private Natural Reserves**
 - **Rural settlements and agro-industrial activities of sugar cane**
- **The blocks are inserted in the Guarani Aquifer System**

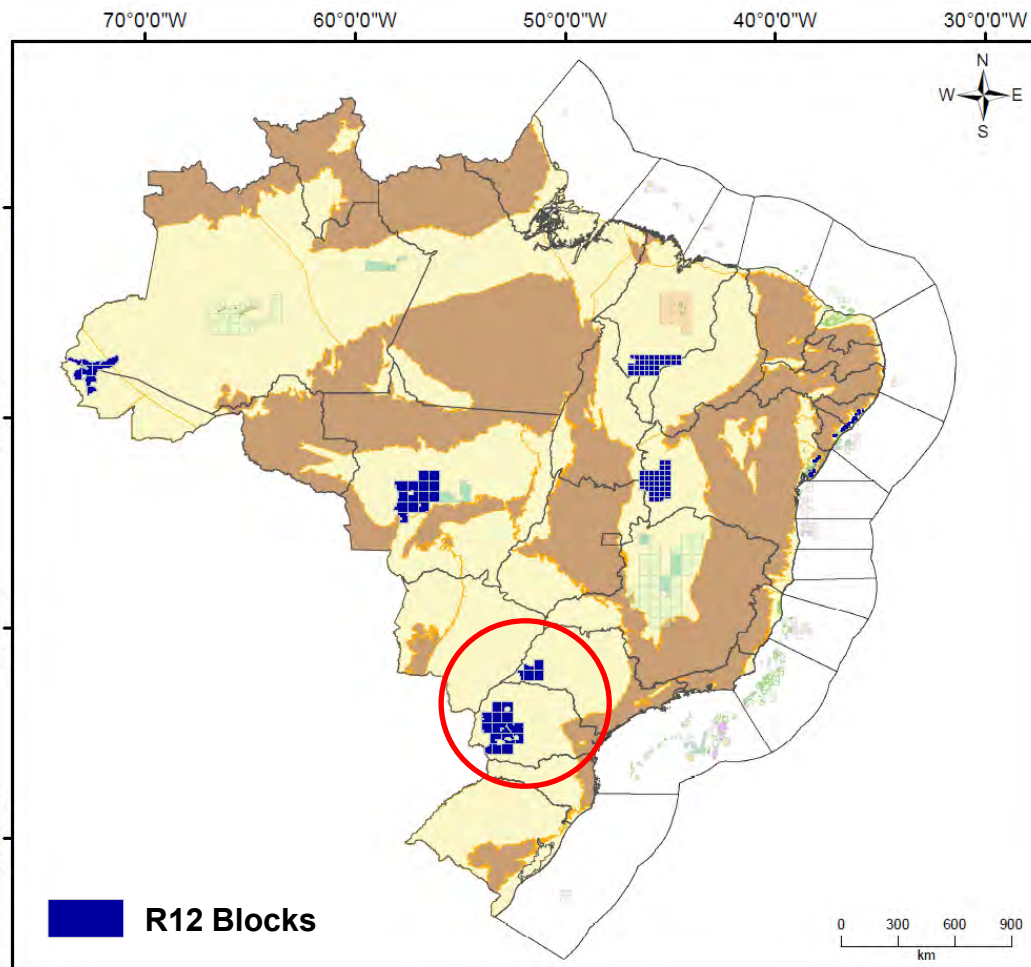
Bacia do Paraná

- **Paraná**

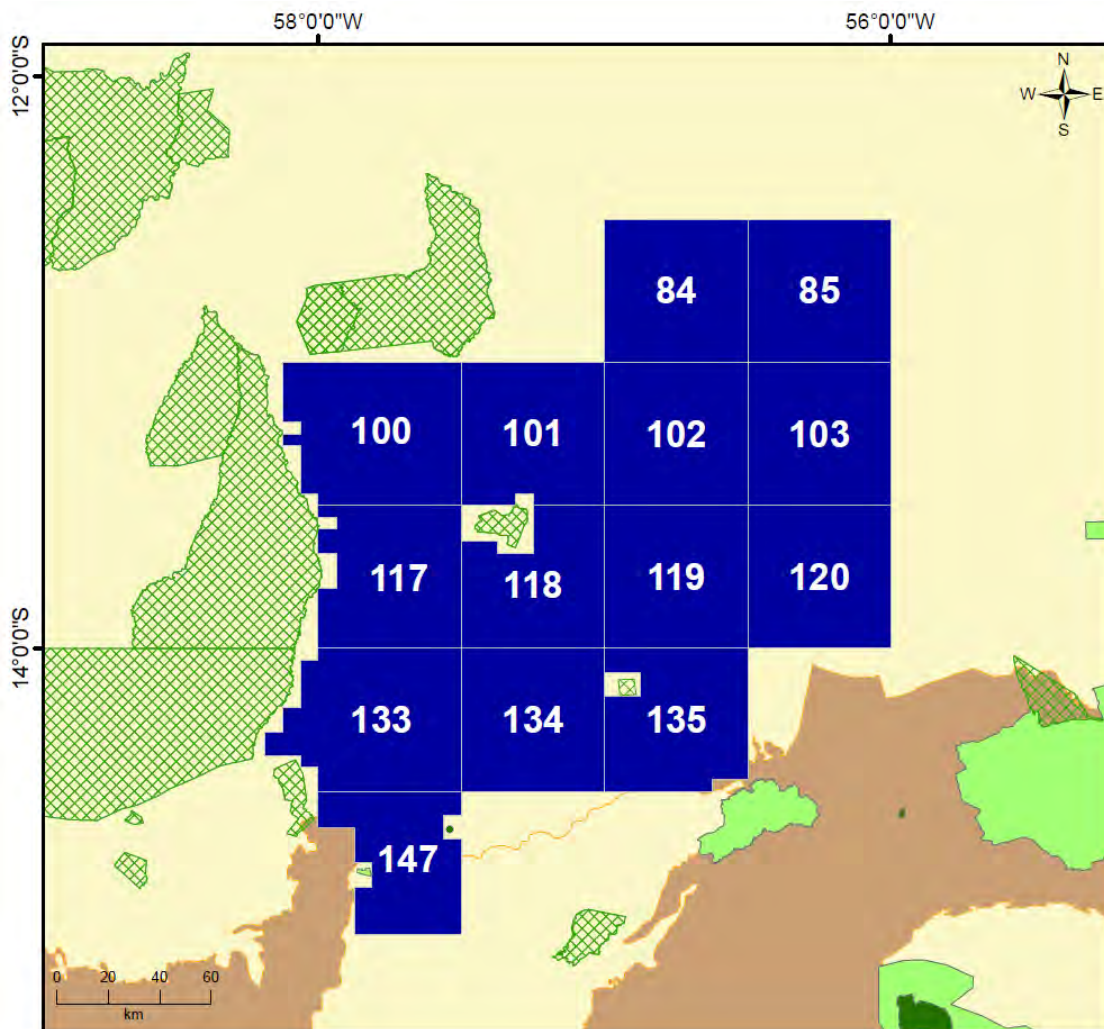
**“Instituto Ambiental do
Paraná (IAP)”**

- **São Paulo**

**“Companhia Ambiental do
Estado de São Paulo
(CETESB)”**



Parecis Basin



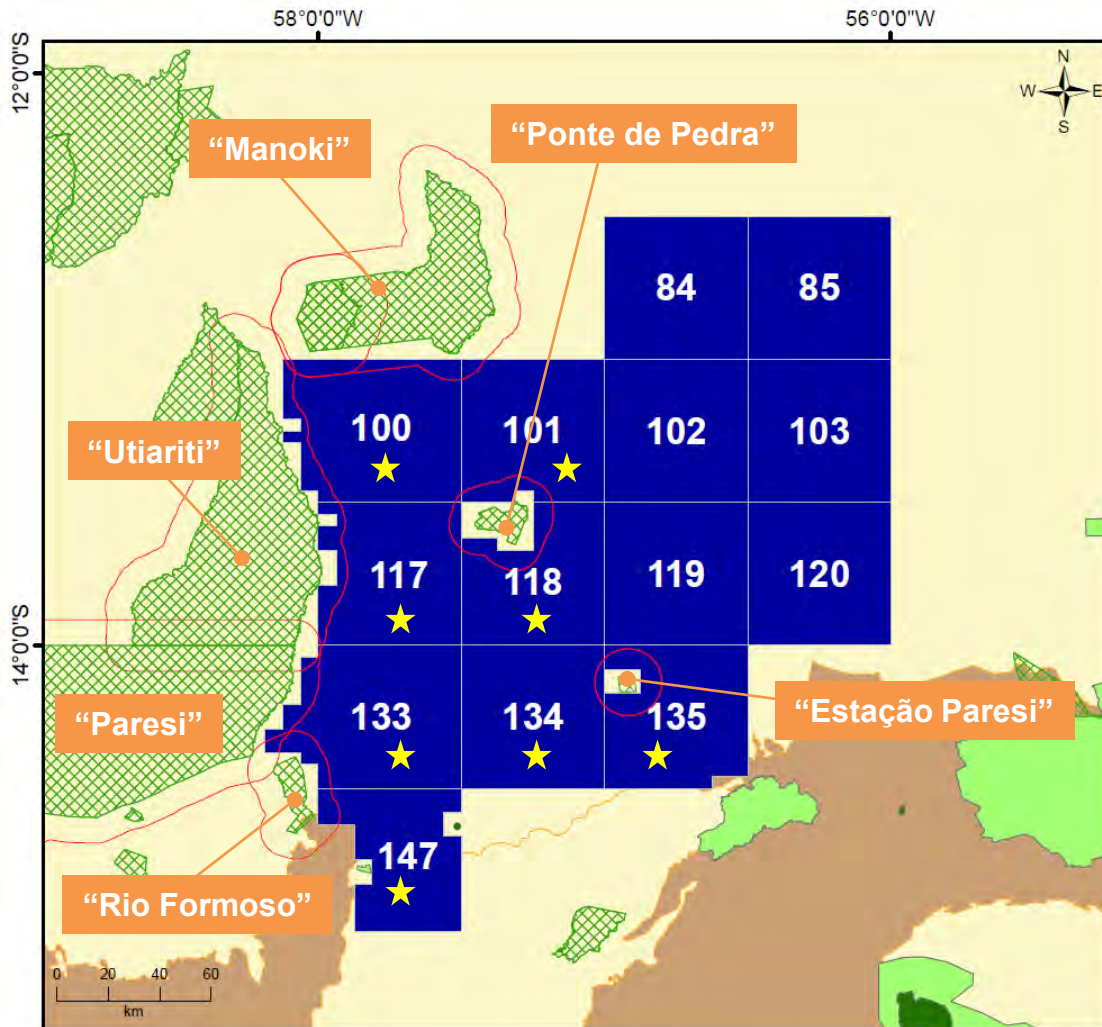
SEMA/MT

**Environmental Impact Study
for activities located around
10 km of Indigenous Lands
is mandatory
(Consema Directive n. 26/07)**

Legend

-  Basement
-  Sedimentary basin
-  Sustainable Use Conservation Unit
-  Integral Protection Conservation Unit
-  Indigenous Lands
-  R12 Blocks

Parecis Basin



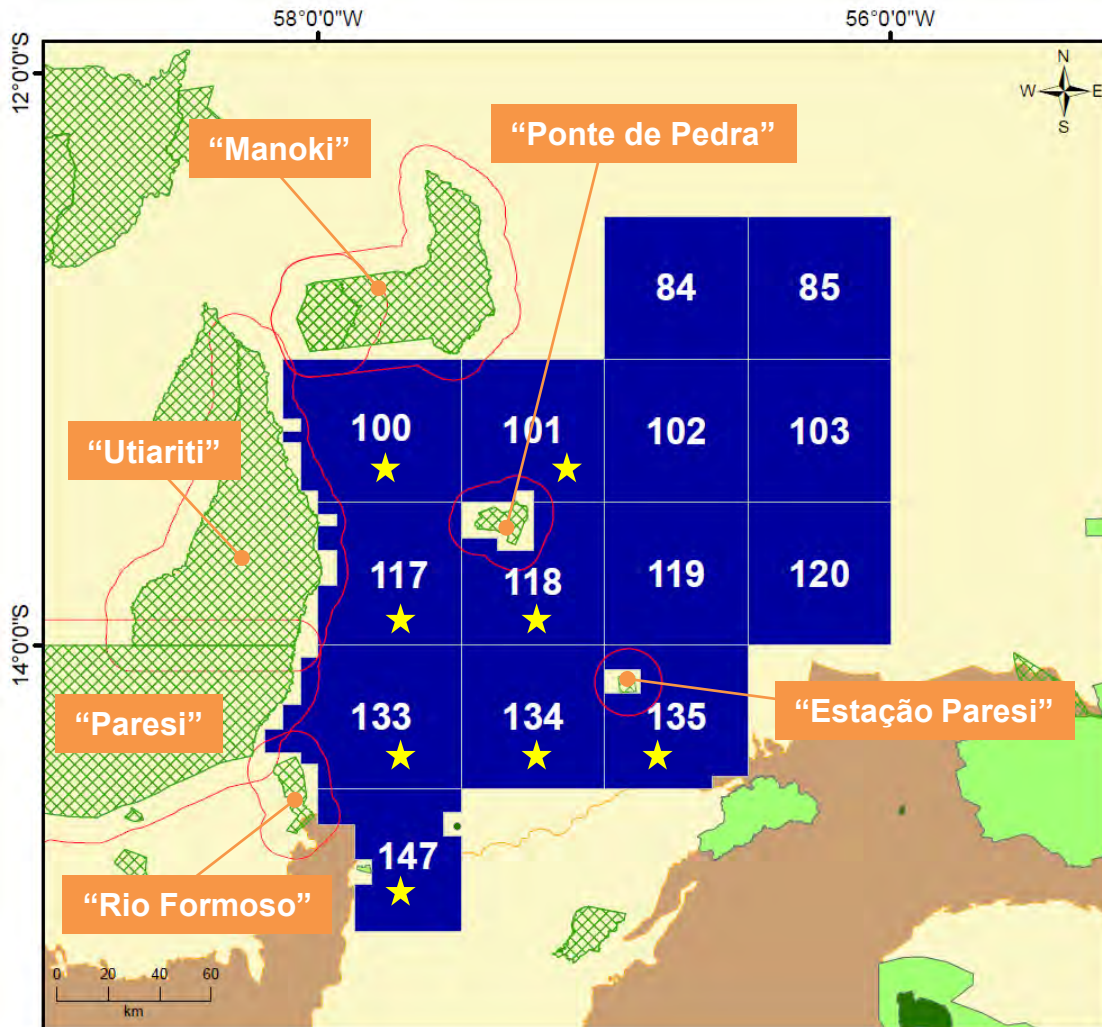
SEMA/MT

**Environmental Impact Study
for activities located around
10 km of Indigenous Lands
is mandatory
(Consema Directive n. 26/07)**

Legend

-  Basement
-  Sedimentary basin
-  Sustainable Use Conservation Unit
-  Integral Protection Conservation Unit
-  Buffer Zone
-  Indigenous Lands
-  R12 Blocks


Parecis Basin



SEMA/MT

The study may be waived if the determines that the activity has low potential to cause significant environmental damage (Consema Directive n. 26/07)

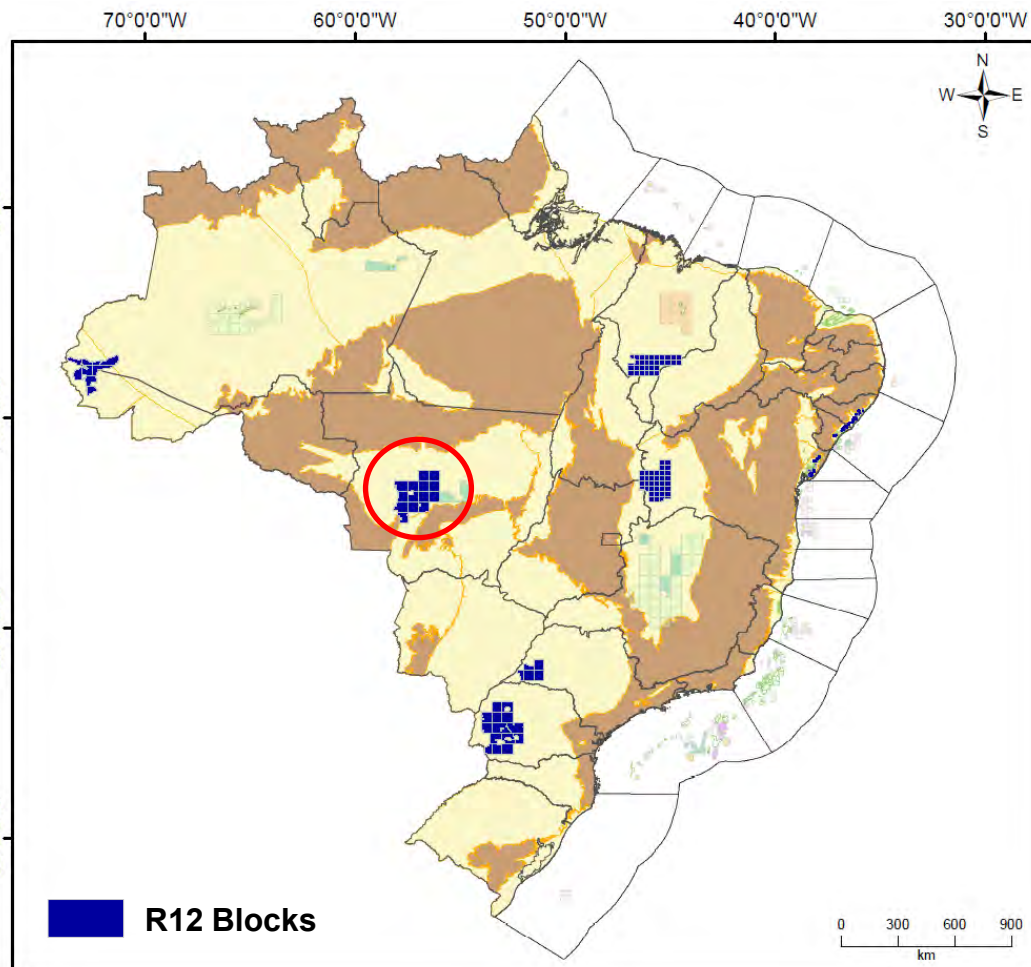
Legend

-  Basement
-  Sedimentary basin
-  Sustainable Use Conservation Unit
-  Integral Protection Conservation Unit
-  Buffer Zone
-  Indigenous Lands
-  R12 Blocks

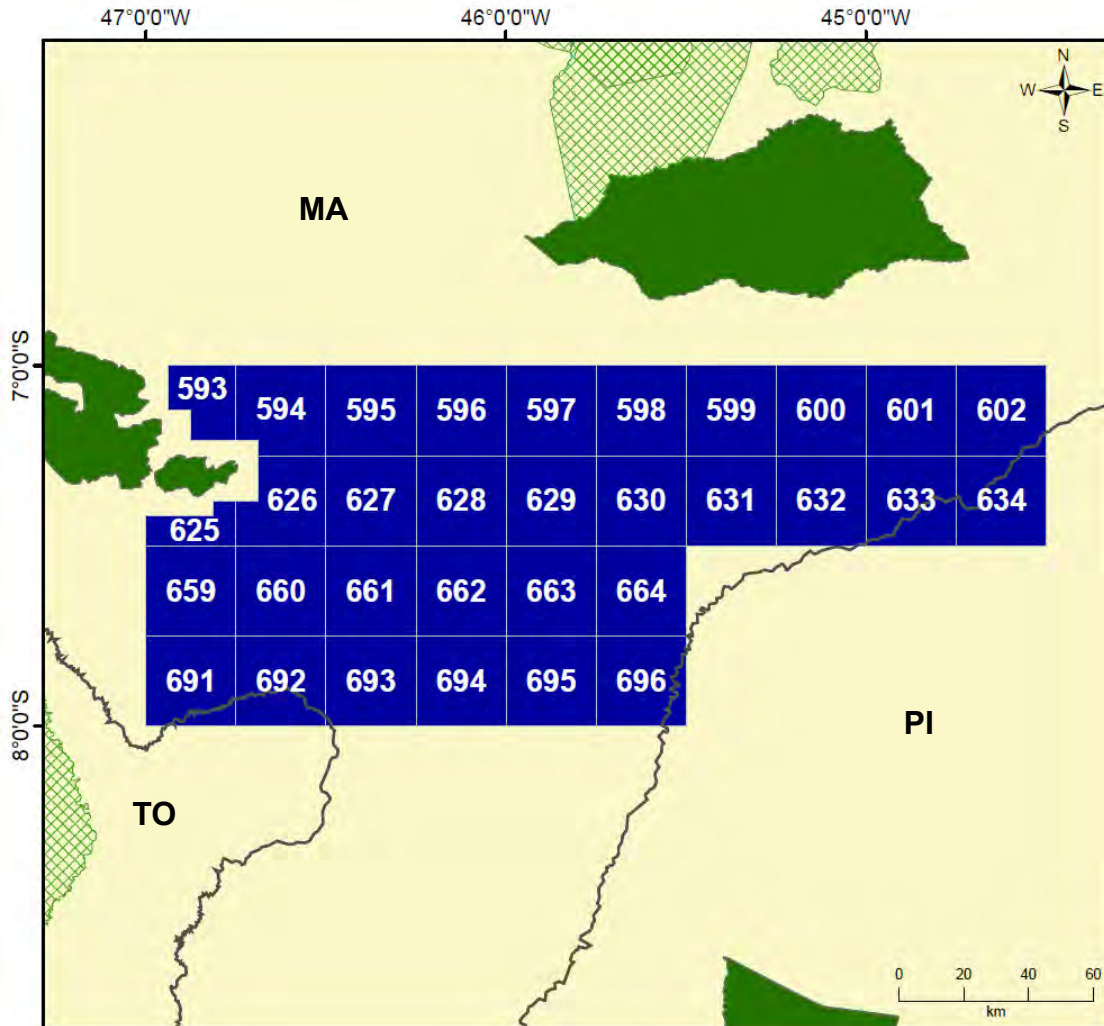
Parecis Basin

- Parecis

“Secretaria de Estado do
Meio Ambiente (SEMA)”







Parnaíba Basin



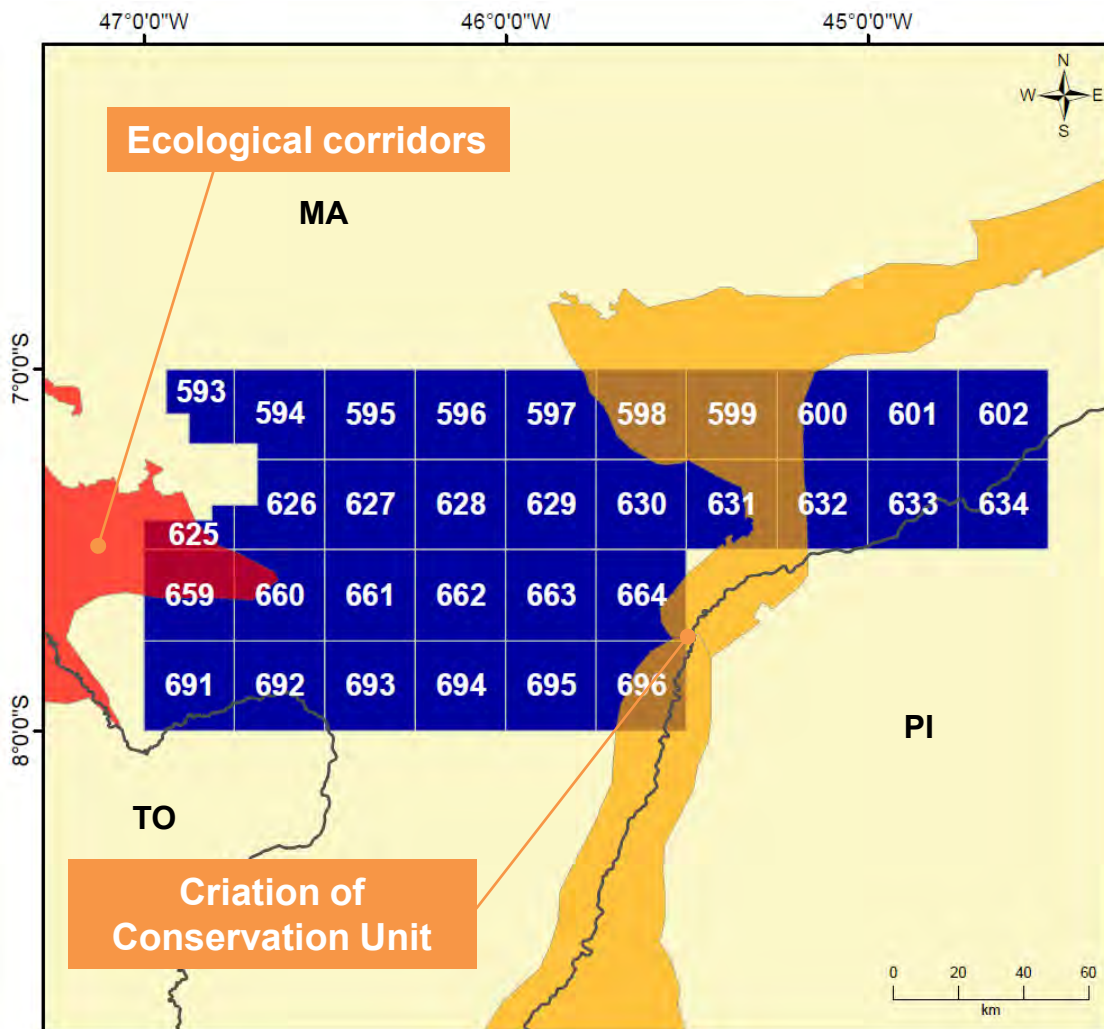
SEMA/MA

Environmental particularities, such as topography, vegetation and water resources, especially “permanent preservation areas - APPs”, should be considered

Legend

-  Sedimentary basin
-  Integral Protection Conservation Unit
-  Indigenous Lands
-  R12 Blocks

Parnaíba Basin



SEMA/MA

**Presence of Priority Areas
for Biodiversity
Conservation**

Legend

 Sedimentary basin

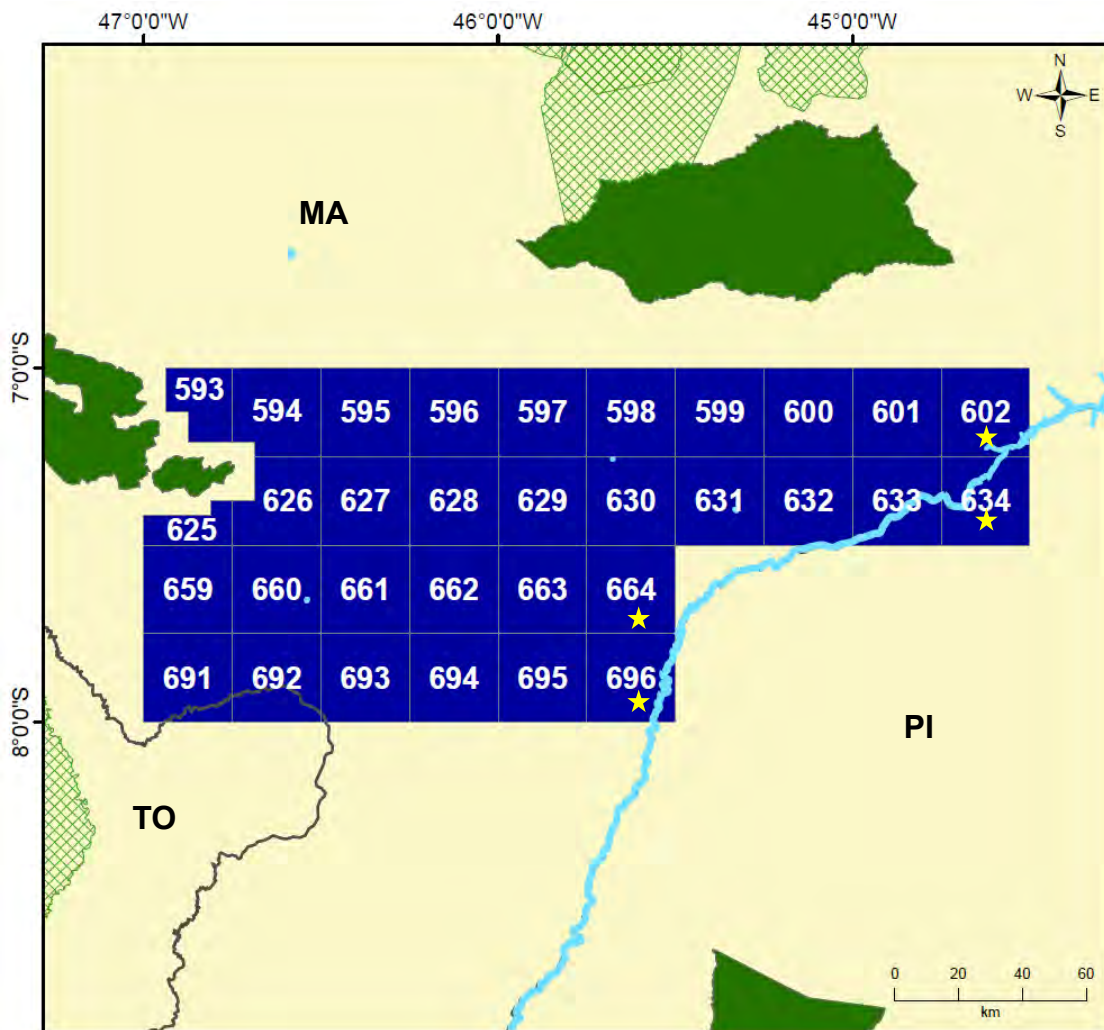
 R12 Blocks

Priority

 Extremely High

 Very High

Parnaíba Basin







SEMAR/PI

PN-T-664 and 696 → part of the area can be flooded by “Ribeiro Gonçalves” hydroelectric plant (previous license already issued)

PN-T-602 and 634 → “Uruçuí” hydroelectric plant

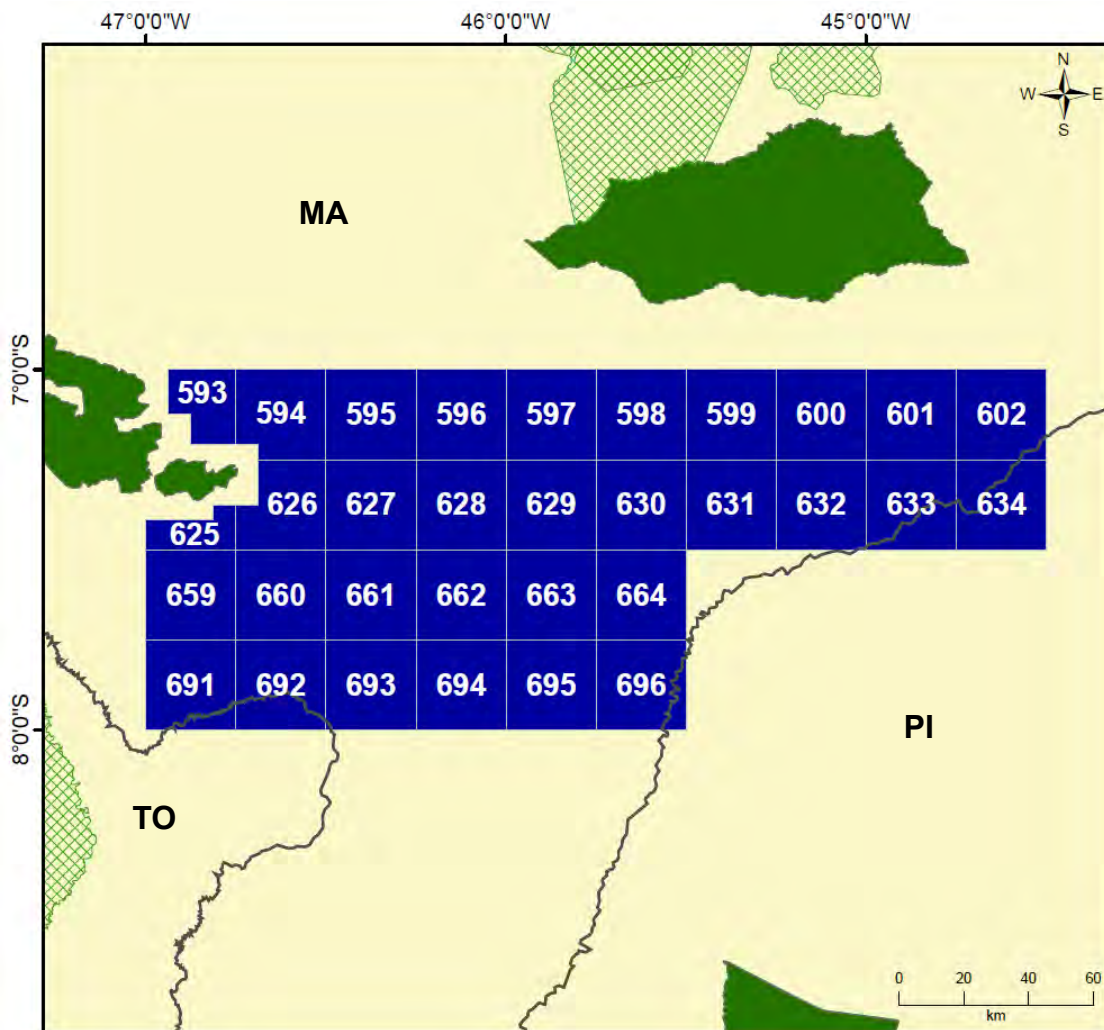
Legend

-  Hydrography
-  Sedimentary basin
-  Integral Protection Conservation Unit
-  Indigenous Lands
-  R12 Blocks

SEMAR/PI

- **Concerns on issues related to archaeological sites and cultural events**
- **E&P sites should be evaluated based on Macro Ecological-Economic Zoning**
- **Interferences in “permanent preservation areas - APPs” should be strictly limited**





Parnaíba Basin



NATURATINS/TO

There is no overlap with protected areas or of interest to the creation of new conservation units

Legend

-  Sedimentary basin
-  Integral Protection Conservation Unit
-  Indigenous Lands
-  R12 Blocks

Parnaíba Basin

- **Maranhão**

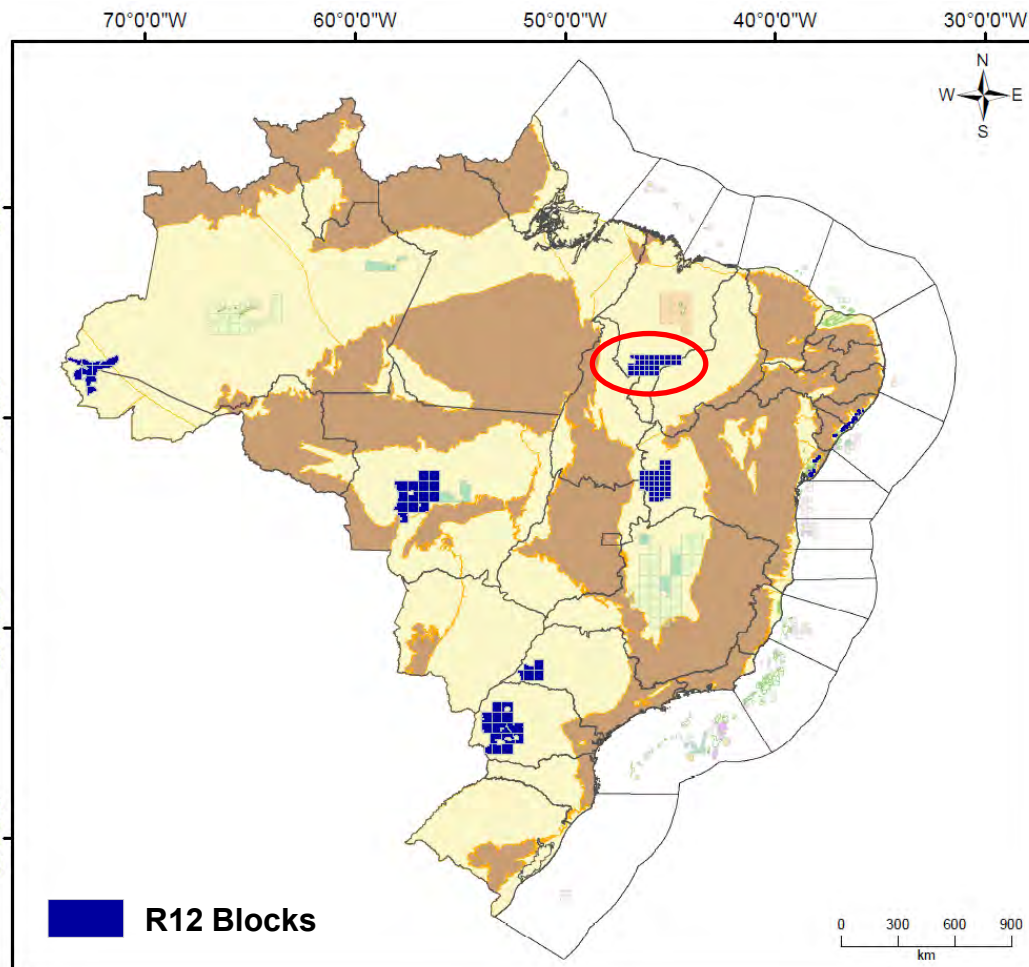
“Secretaria de Estado de Meio Ambiente e Recursos Naturais (SEMA)”

- **Piauí**

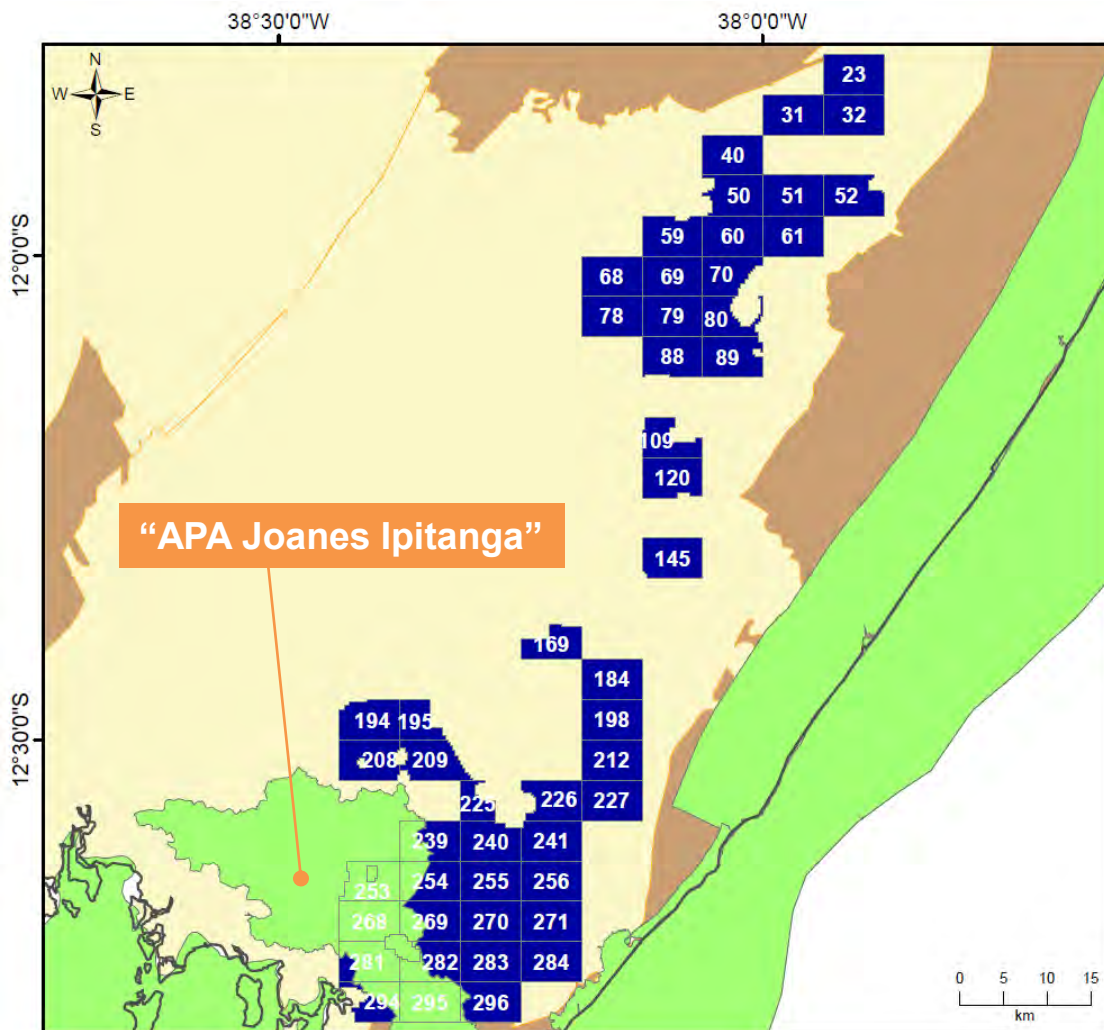
“Secretaria do Meio Ambiente e Recursos Hídricos (SEMAR)”

- **Tocantins**

“Instituto Natureza do Tocantins (NATURATINS)”







Recôncavo Basin



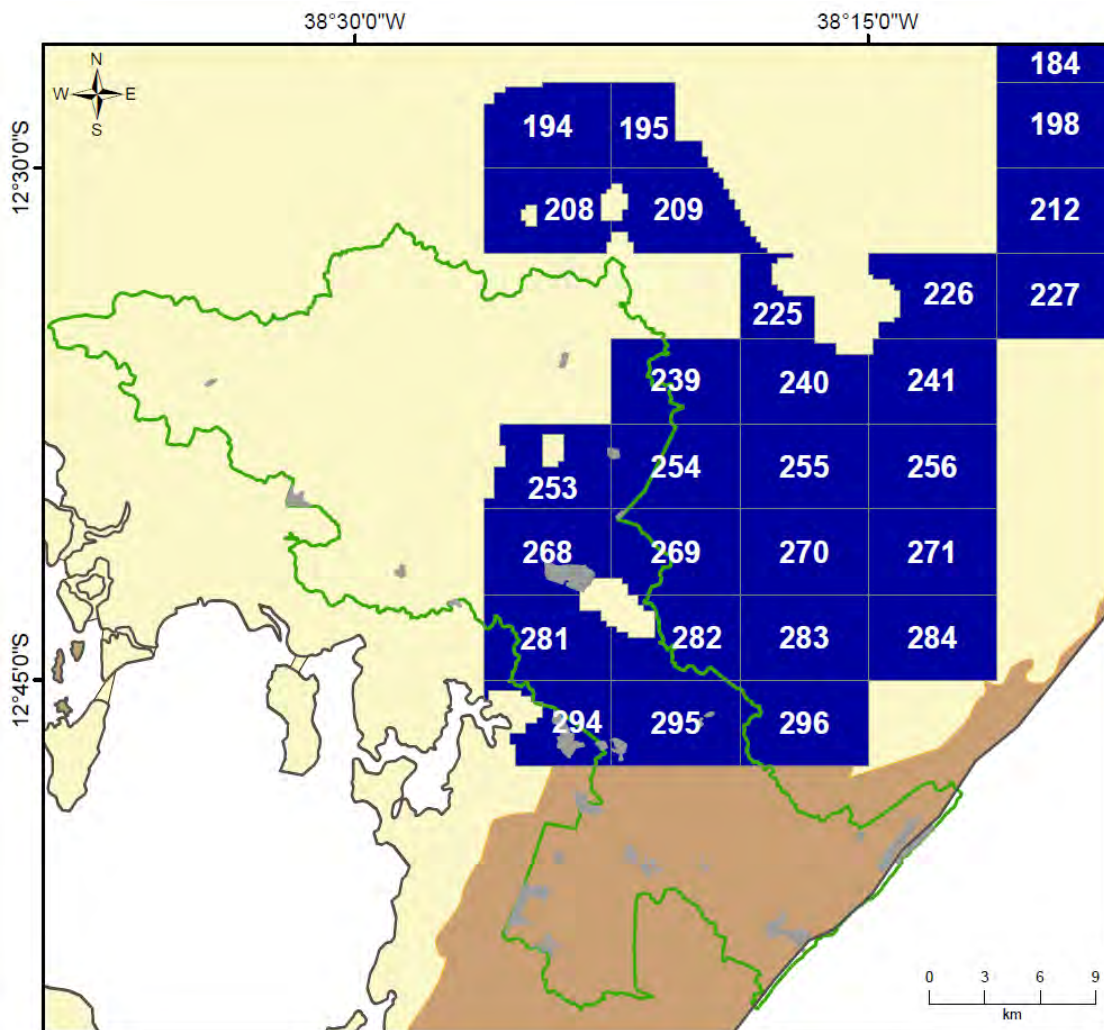
INEMA/BA

**“Joanes Ipitanga” State
Environmental Protection
Area – “APA”**

Legend

-  Basement
-  Sedimentary basin
-  Sustainable Use Conservation Unit
-  R12 Blocks


Recôncavo Basin



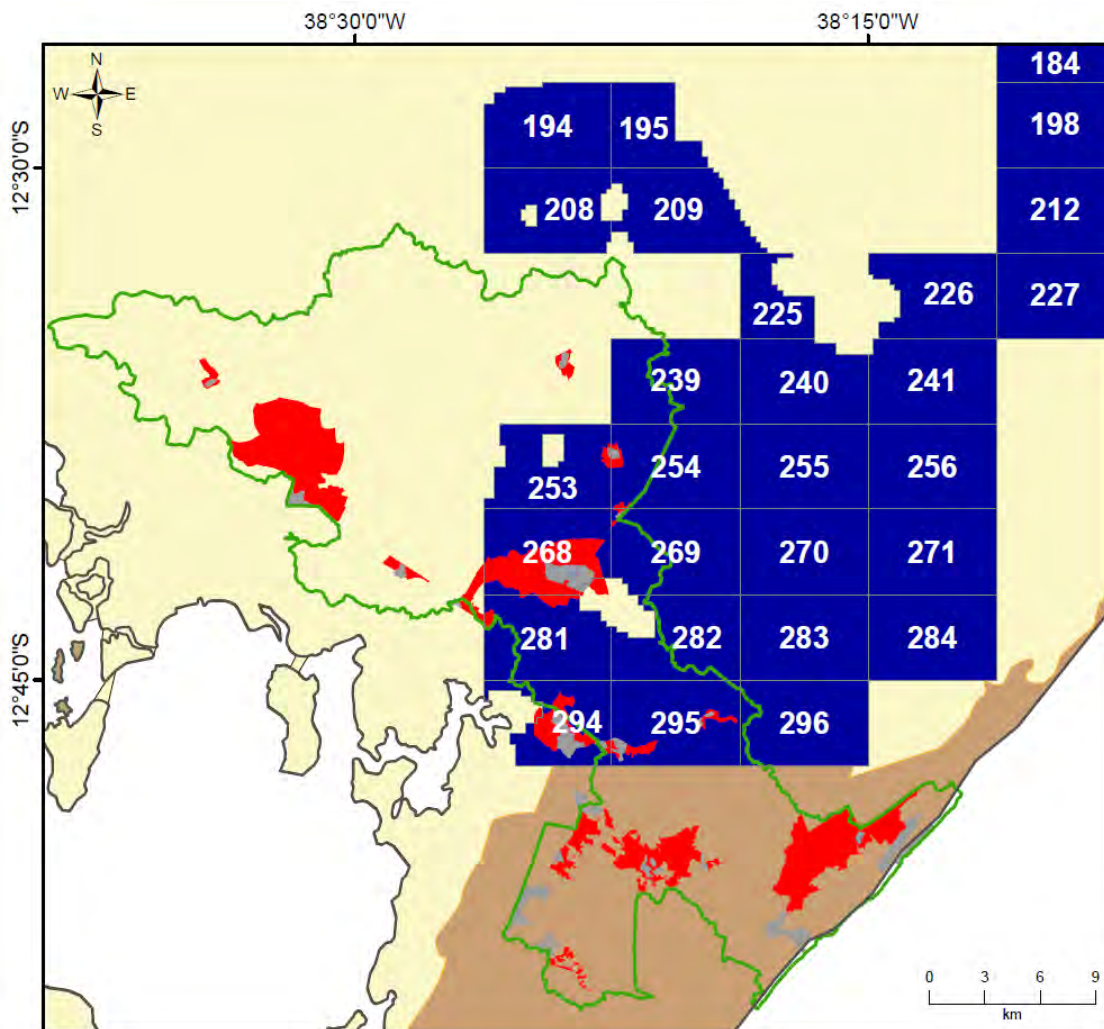
INEMA/BA

**Urban area with presence
of trade and services
activities**

Legend

-  Basement
-  Sedimentary basin
-  Blocks R12
-  "APA Joanes Ipitanga"
- Zoning – "APA Joanes Ipitanga"**
-  Consolidated urban sites







Recôncavo Basin



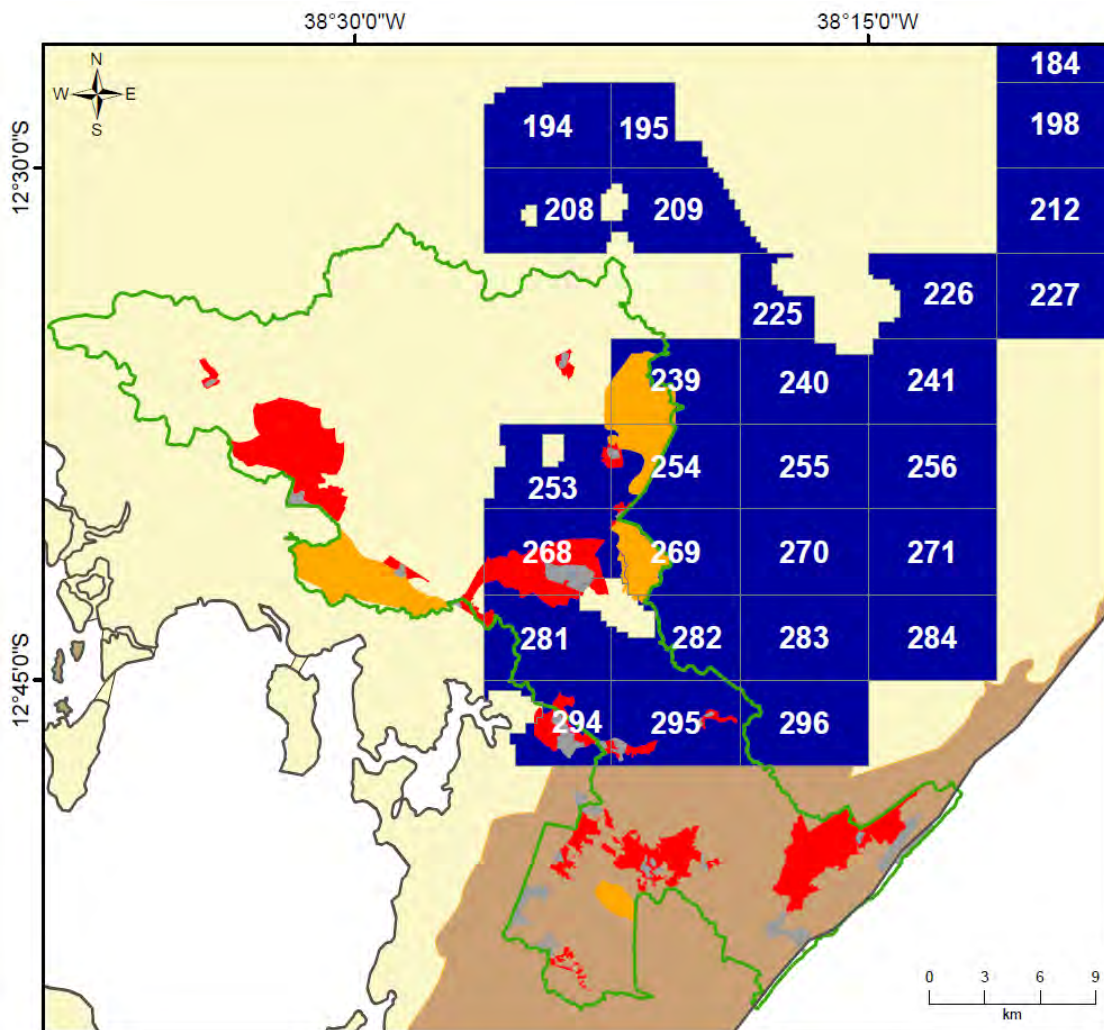
INEMA/BA

**Area with urban expansion
characteristics
Presence of trade and
services activities**

Legend

-  Basement
-  Sedimentary basin
-  Blocks R12
-  "APA Joanes Ipitanga"
- Zoning – "APA Joanes Ipitanga"**
-  Consolidated urban sites
-  Occupation limited zone








Recôncavo Basin



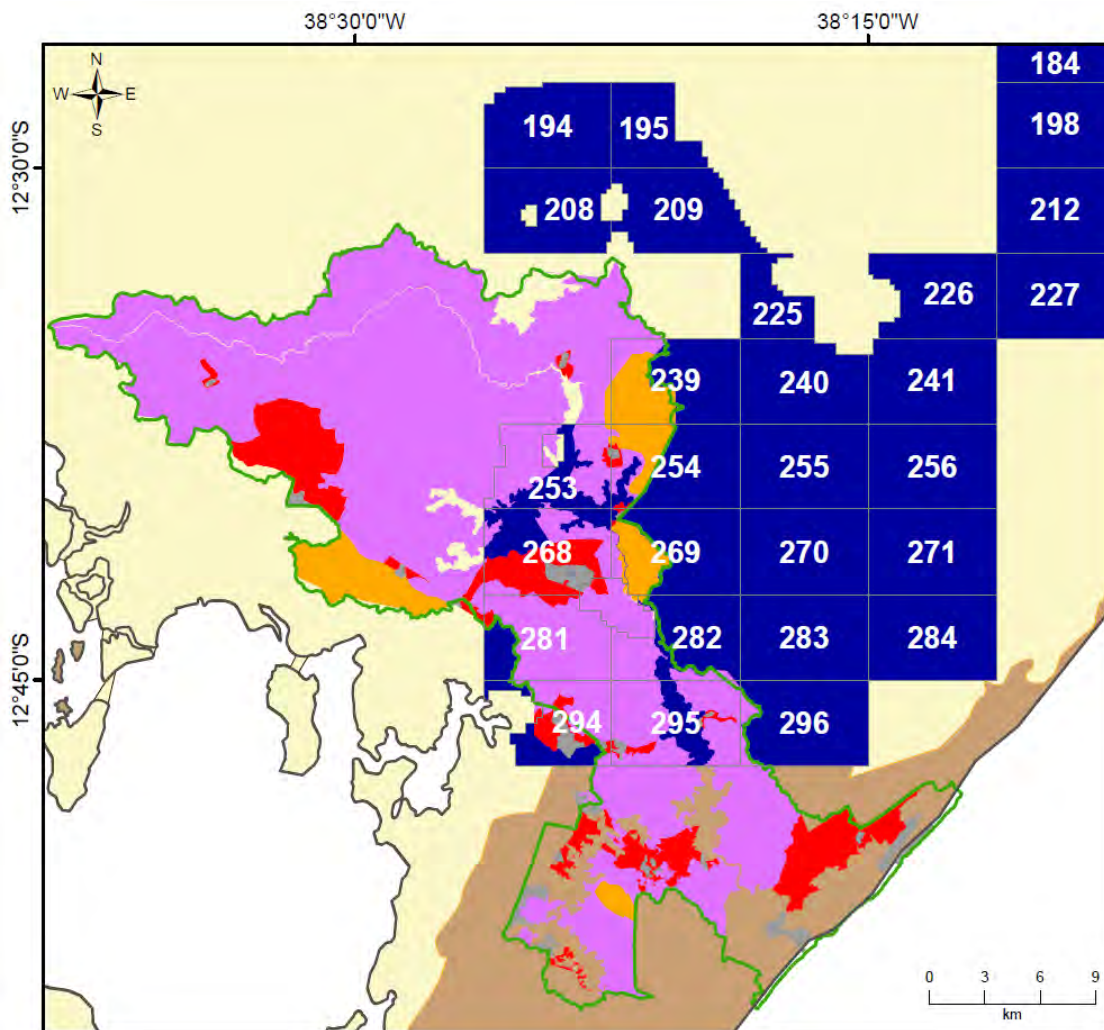
INEMA/BA

**Delimited area for the
development of specific
projects, such as “Camaçari”
Polo Petrochemical**

Legend

-  Basement
-  Sedimentary basin
-  Blocks R12
-  “APA Joanes Ipitanga”
- Zoning – “APA Joanes Ipitanga”**
-  Consolidated urban sites
-  Occupation limited zone
-  Special use zone





Recôncavo Basin







INEMA/BA

Area with crops, livestock, mining and E&P industry

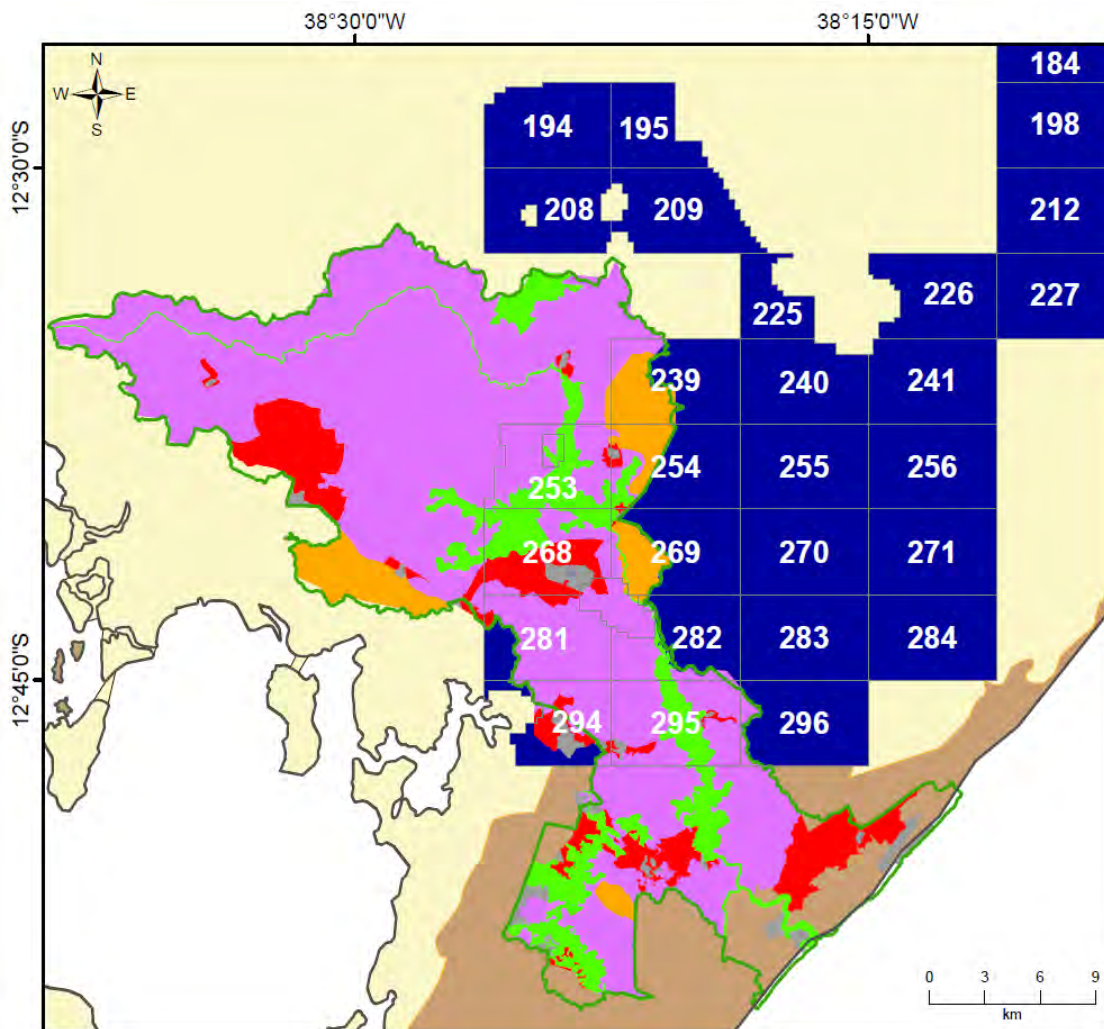
Legend

-  Basement
-  Sedimentary basin
-  Blocks R12
-  “APA Joanes Ipitanga”

Zoning – “APA Joanes Ipitanga”

-  Consolidated urban sites
-  Occupation limited zone
-  Special use zone
-  Diversified use zone

Recôncavo Basin



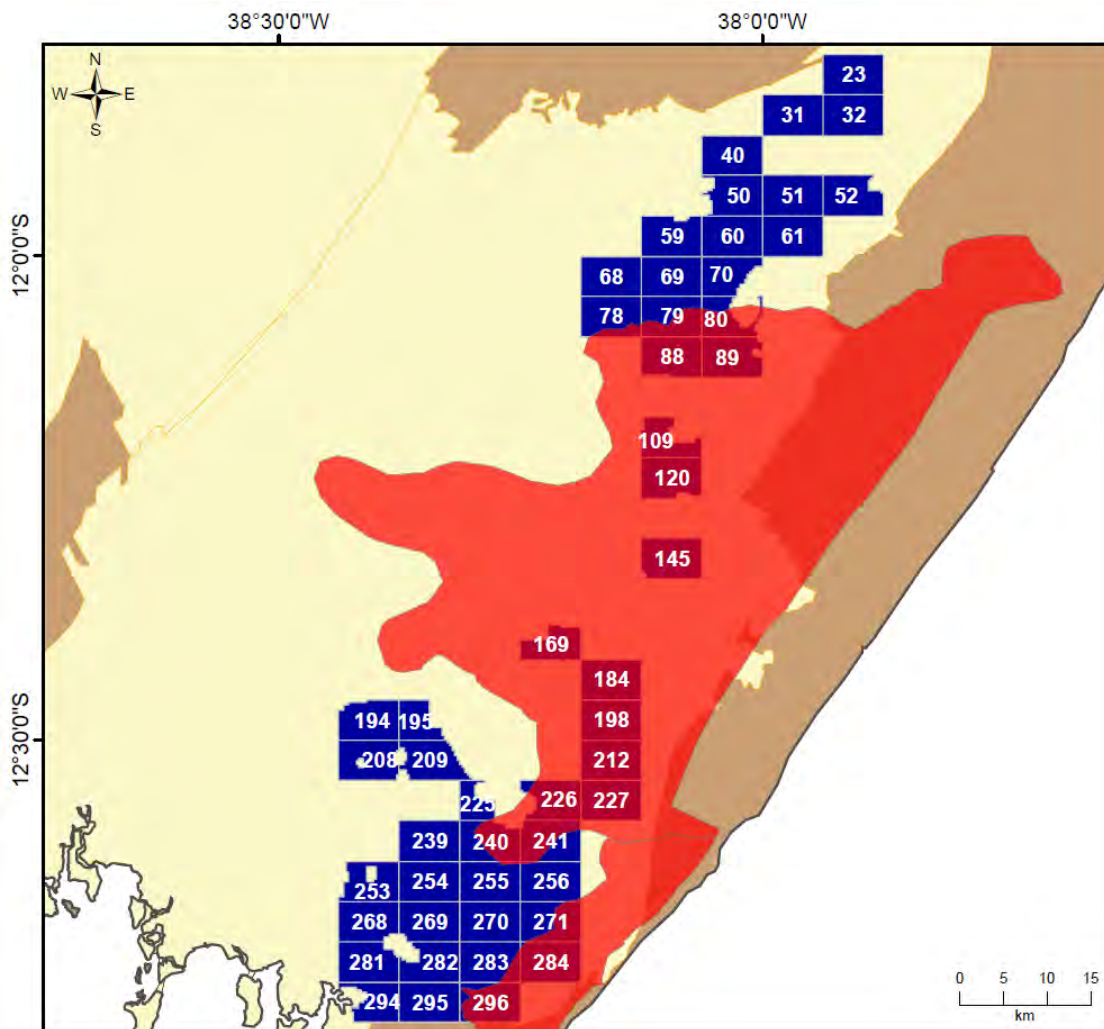
INEMA/BA

Presence of remnants of the Atlantic Rain → new installations not allowed

Legend

-  Basement
-  Sedimentary basin
-  Blocks R12
-  “APA Joanes Ipitanga”
- Zoning – “APA Joanes Ipitanga”**
-  Consolidated urban sites
-  Occupation limited zone
-  Special use zone
-  Diversified use zone
-  Strictly protected zone

Recôncavo Basin



INEMA/BA

**Presence of priority areas for
the conservation of the
Atlantic Rain Forest
biodiversity**

Legend

- Basement
- Sedimentary basin
- R12 Blocks
- Priority**
- Extremely High

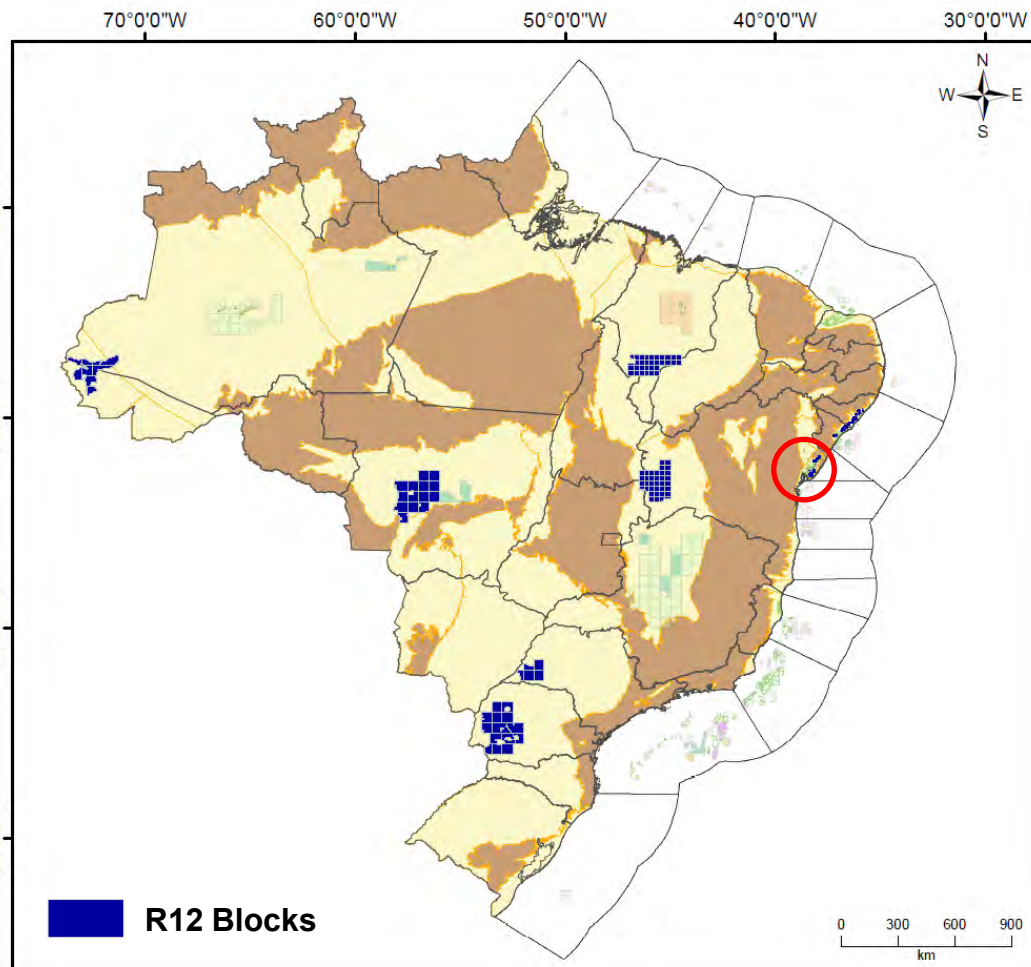
INEMA/BA

- **Blocks overlapping Environmental Protection Area - “APA” as well as conservation priority areas → more detailed studies will be demanded in order to support the decision making process.**
- **The environmental state agency statement indicates the guidelines for the development of E&P activities**
- **Region with a high degree of human disturbance and few fragments of vegetation**
- **Recommendation to choose areas already anthropized to carry out E&P activities**

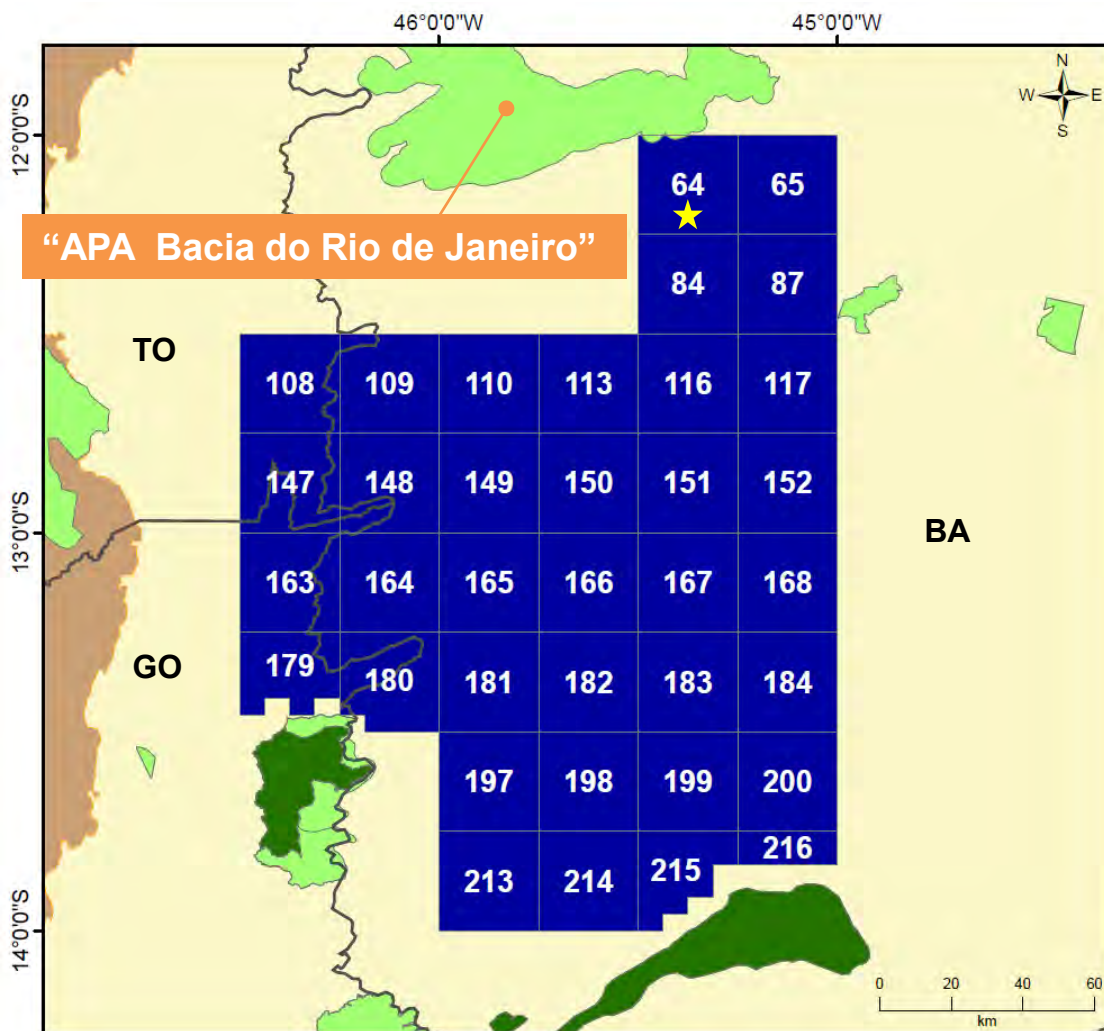
Recôncavo Basin

○ Bahia

“Instituto de Meio Ambiente e
Recursos Hídricos (INEMA)”








São Francisco Basin



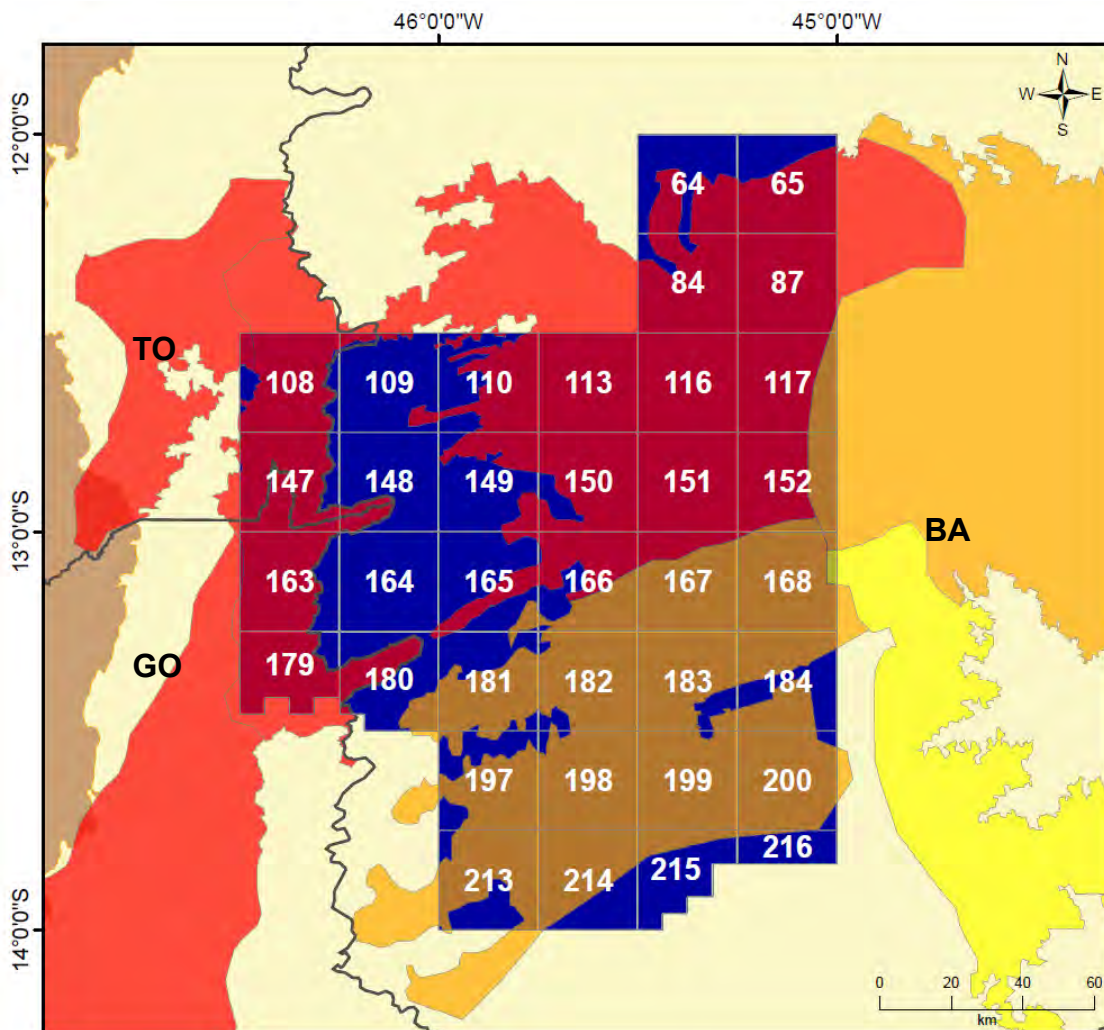
INEMA/BA

**SF-T-64 → Small portion
overlaps the “Bacia do Rio
de Janeiro” State
Environmental Protection
Area – “APA”**

Legend

-  Basement
-  Sedimentary basin
-  Sustainable Use Conservation Unit
-  Integral Protection Conservation Unit
-  R12 Blocks

São Francisco Basin



INEMA/BA

Presence of priority areas for the conservation of the “cerrado” biodiversity → more detailed studies will be demanded in order to support the decision making process

Legend

- Basement
 - Sedimentary basin
 - R12 Blocks
- Priority Action**
- Extremely High
 - Very High
 - High

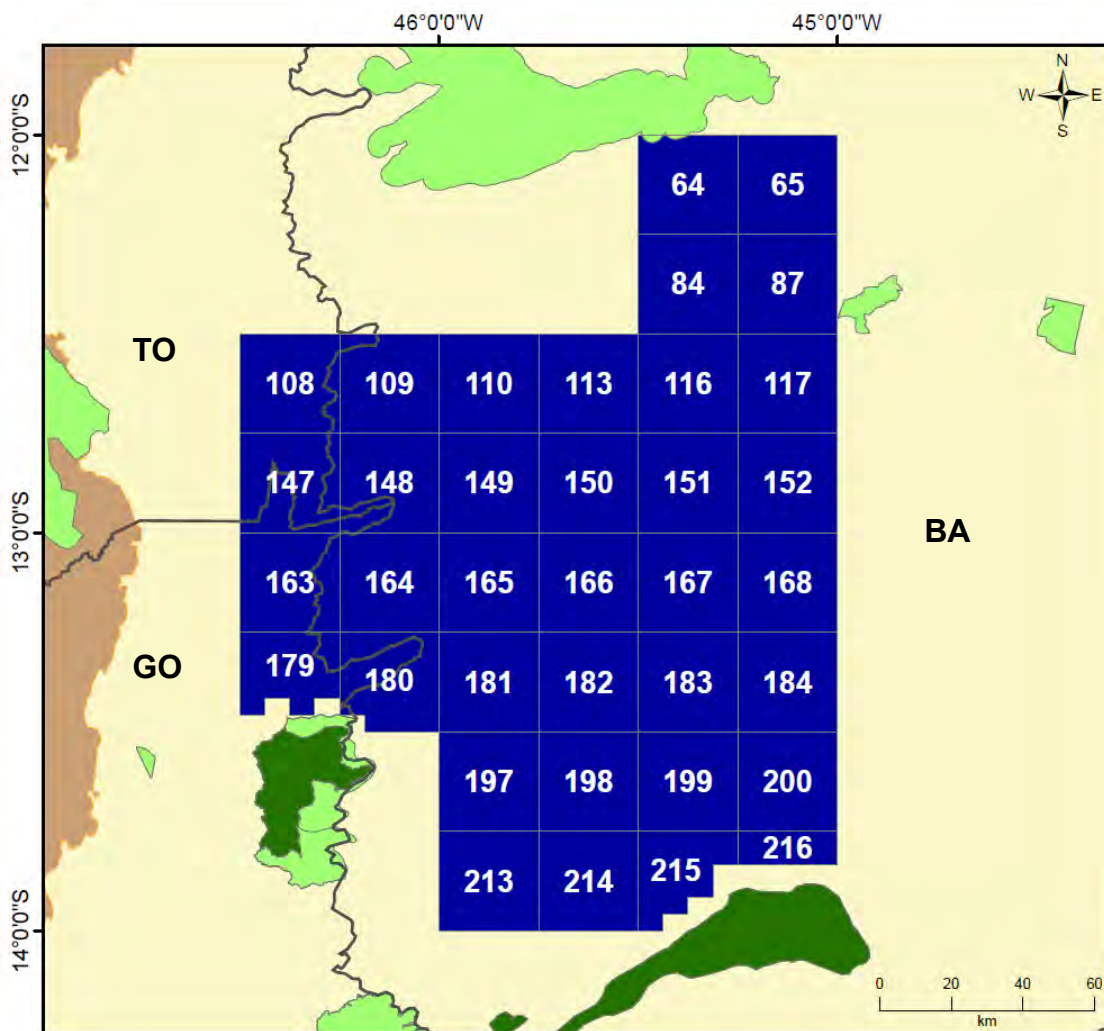
INEMA/BA

- **Recommendation to choose areas already anthropized to carry out E&P activities**

SEMARH/GO

- **Requirement of high resolution satellite images mapping the affected area showing the regions of APPs, “Legal reserves” - (mandatory protected private areas), soil types, reliefs etc.**






São Francisco Basin



NATURATINS/TO

There is no overlap with protected areas or of interest to the creation of new conservation units

Legend

-  Basement
-  Sedimentary basin
-  Sustainable Use Conservation Unit
-  Integral Protection Conservation Unit
-  R12 Blocks

Environmental Licensing Responsibilities

São Francisco Basin

- Bahia

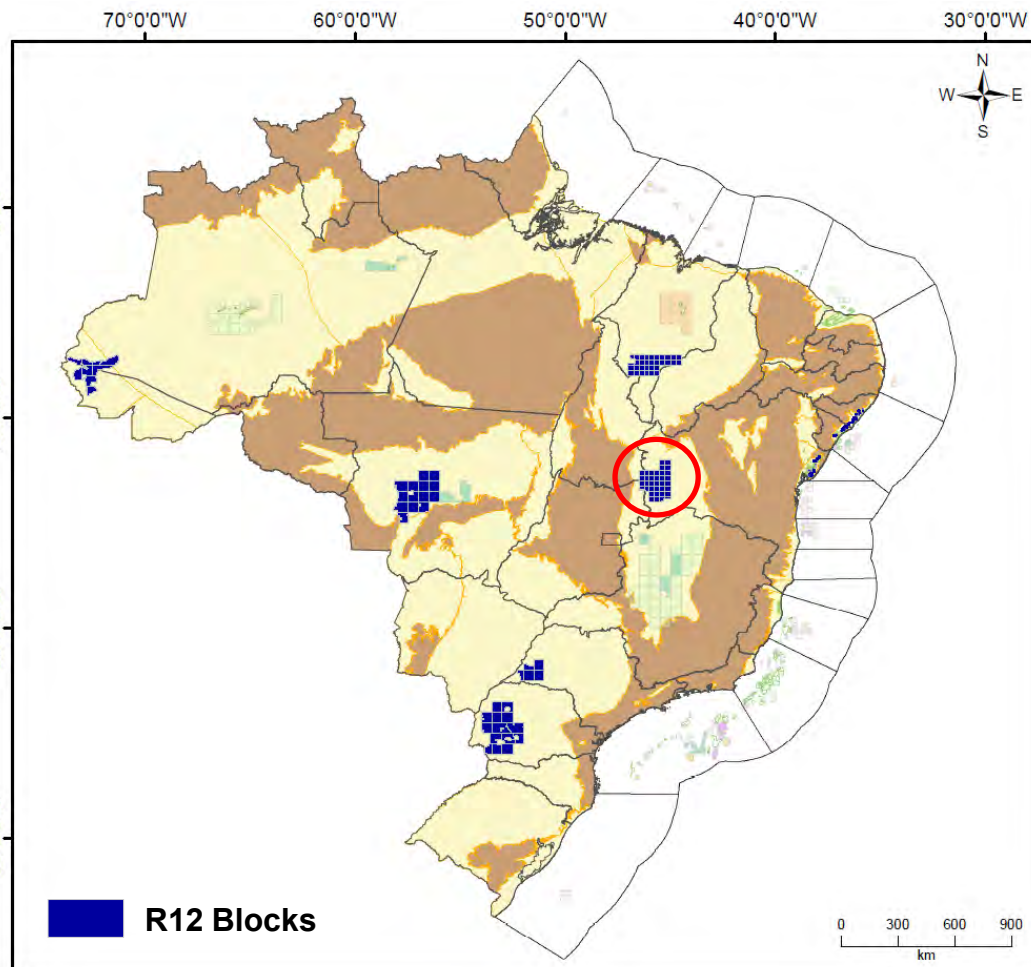
“Instituto de Meio Ambiente e Recursos Hídricos (INEMA)”

- Goiás

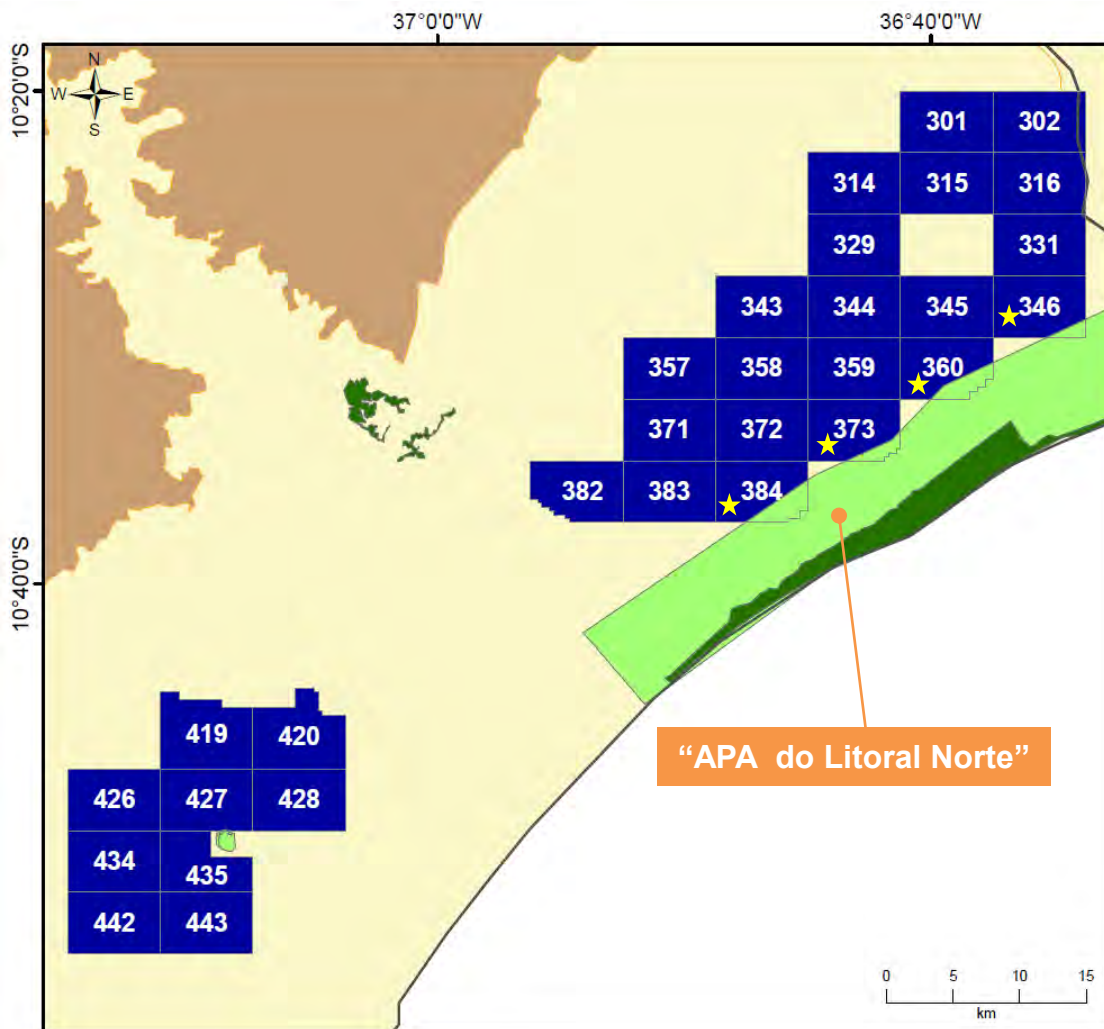
“Secretaria do Meio Ambiente e dos Recursos Hídricos (SEMARH)”

- Tocantins

“Instituto Natureza do Tocantins (NATURATINS)”








Sergipe-Alagoas Basin



ADEMA/SE

**SEAL-T-346, 360, 373 e 384 →
Presence of the “Litoral
Norte” Environmental
Protection Area – “APA”**

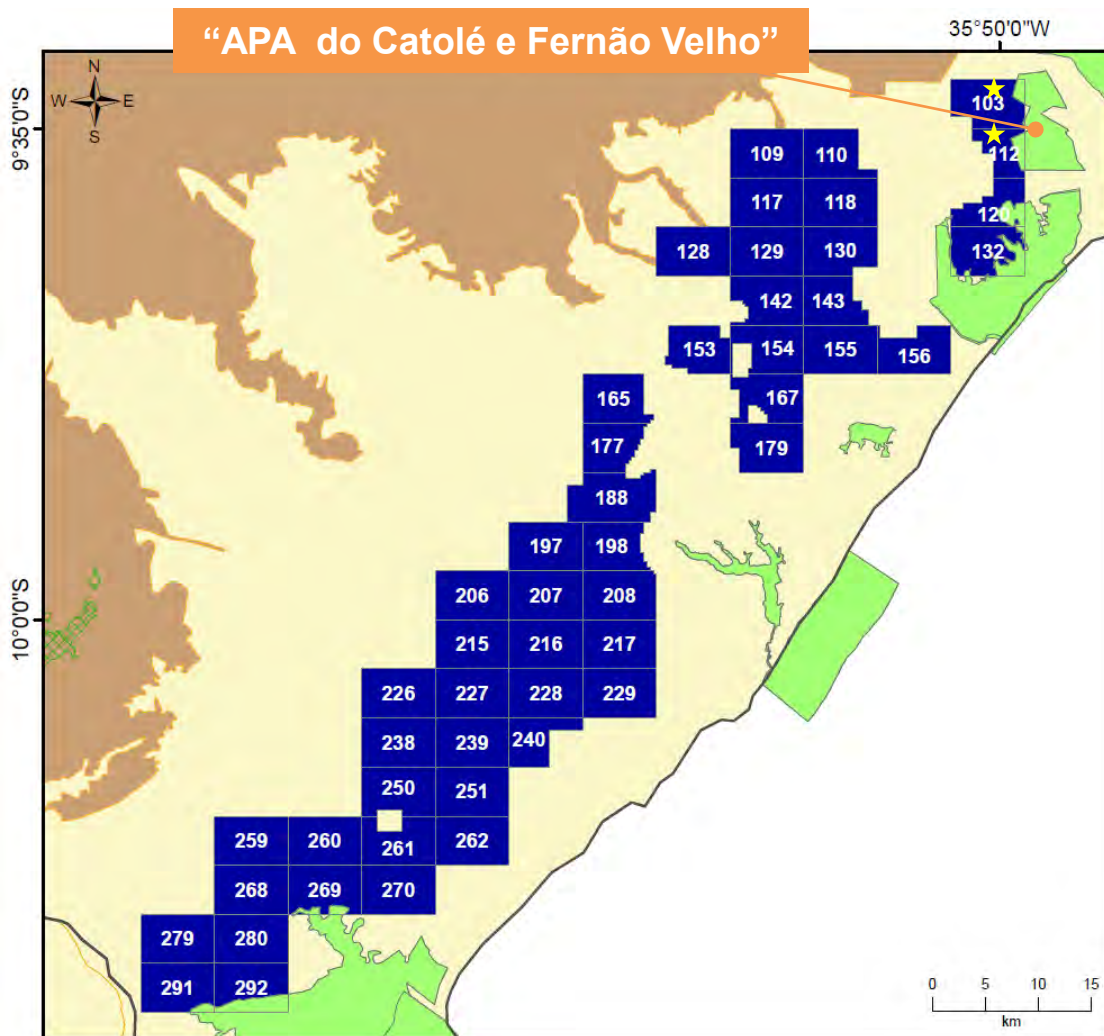
Legend

-  Basement
-  Sedimentary basin
-  Sustainable Use Conservation Unit
-  Integral Protection Conservation Unit
-  R12 Blocks

ADEMA/SE

- **Presence of APPs, remnants of Atlantic Rain Forest, areas considered as “Historical and Cultural Heritage of Humanity” and areas of special interest to water sources protection; and cultural, historic and archaeological sites**





Sergipe-Alagoas Basin



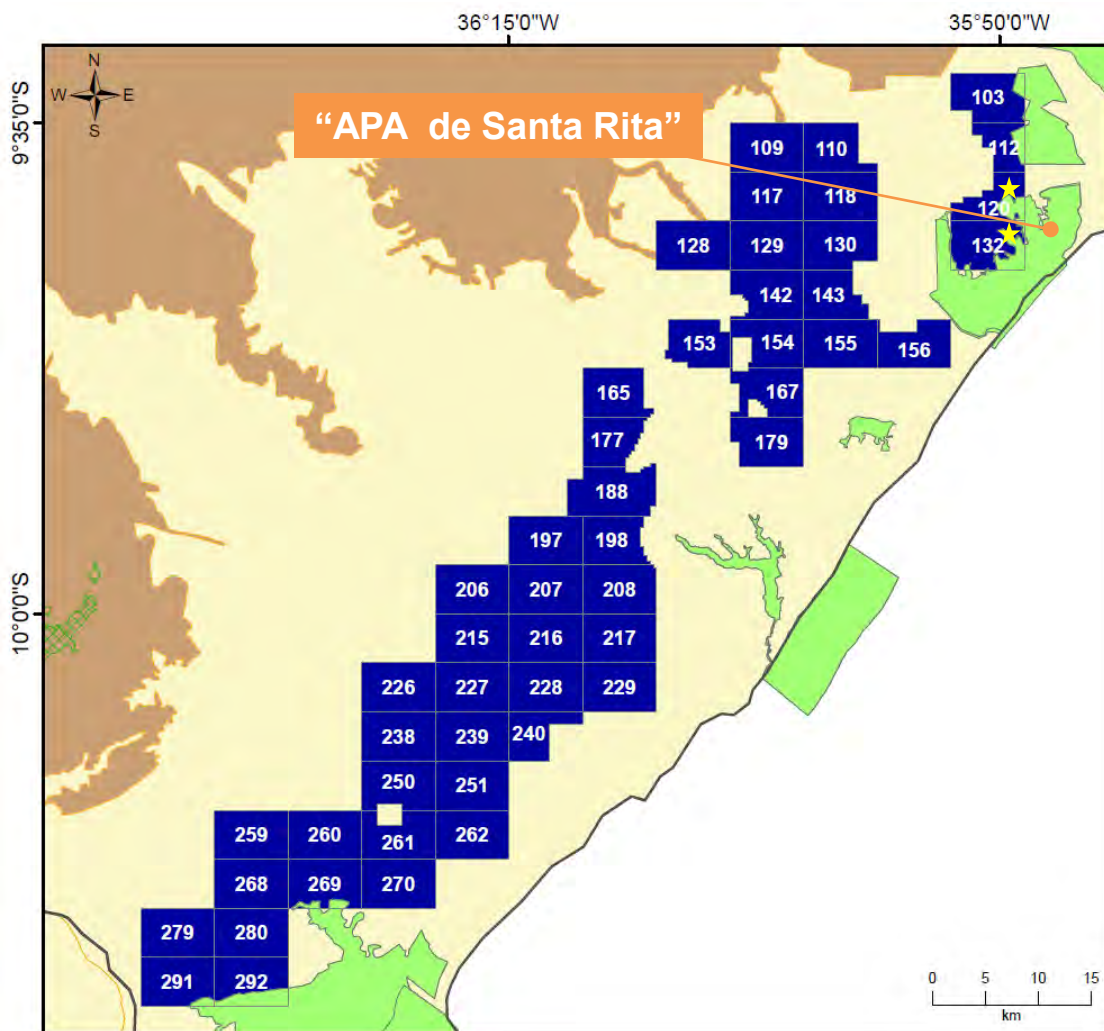
IMA/AL

**SEAL-T-103 and 112 →
Partially overlapped to the
“Catolé e Fernão Velho”
State Environmental
Protection Area – “APA”**

Legend

-  Basement
-  Sedimentary basin
-  Sustainable Use Conservation Unit
-  R12 Blocks



Sergipe-Alagoas Basin



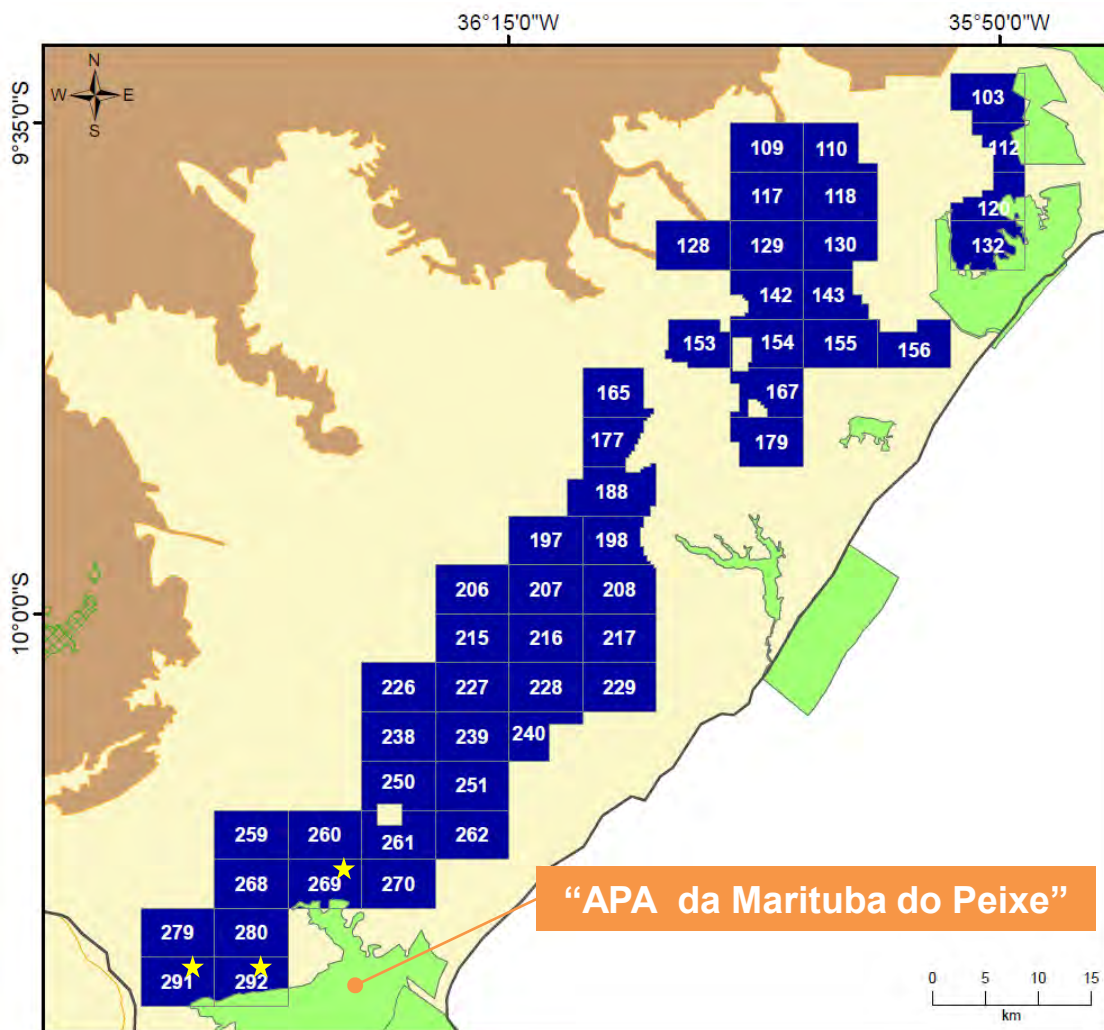
IMA/AL

**SEAL-T-120 and 132 →
Partially overlapped to
“Santa Rita” State
Environmental Protection
Area – “APA”**

Legend

-  Basement
-  Sedimentary basin
-  Sustainable Use Conservation Unit
-  R12 Blocks





Sergipe-Alagoas Basin



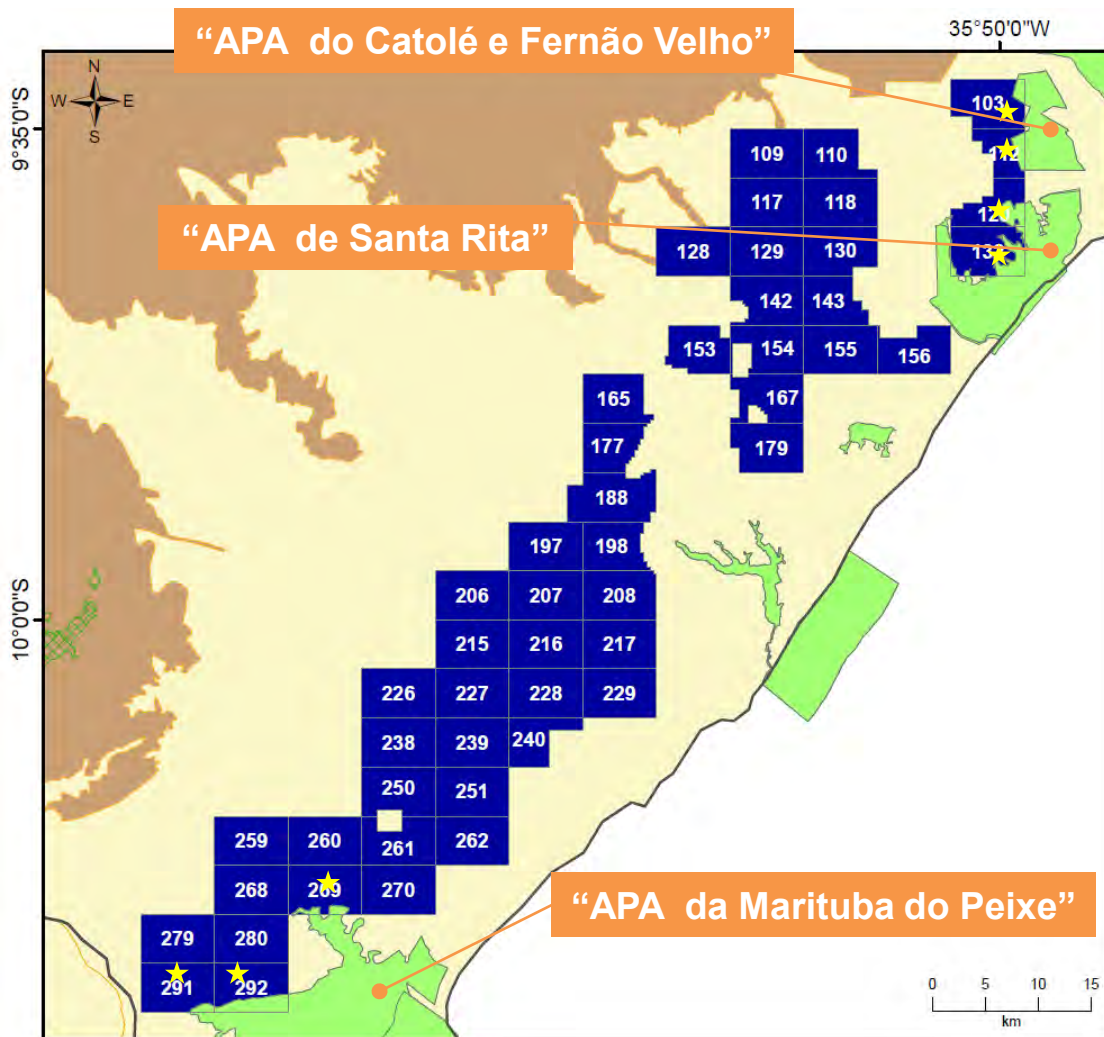
IMA/AL

SEAL-T-269, 291 and 292 →
Partially overlapped to
“Marituba do Peixe” State
Environmental Protection
Area – “APA”

Legend

-  Basement
-  Sedimentary basin
-  Sustainable Use Conservation Unit
-  R12 Blocks





Sergipe-Alagoas Basin



IMA/AL

IMA will take in account the
"APA" management plan
when evaluating E&P
activities

Legend

-  Basement
-  Sedimentary basin
-  Sustainable Use Conservation Unit
-  R12 Blocks

Environmental Licensing Responsibilities

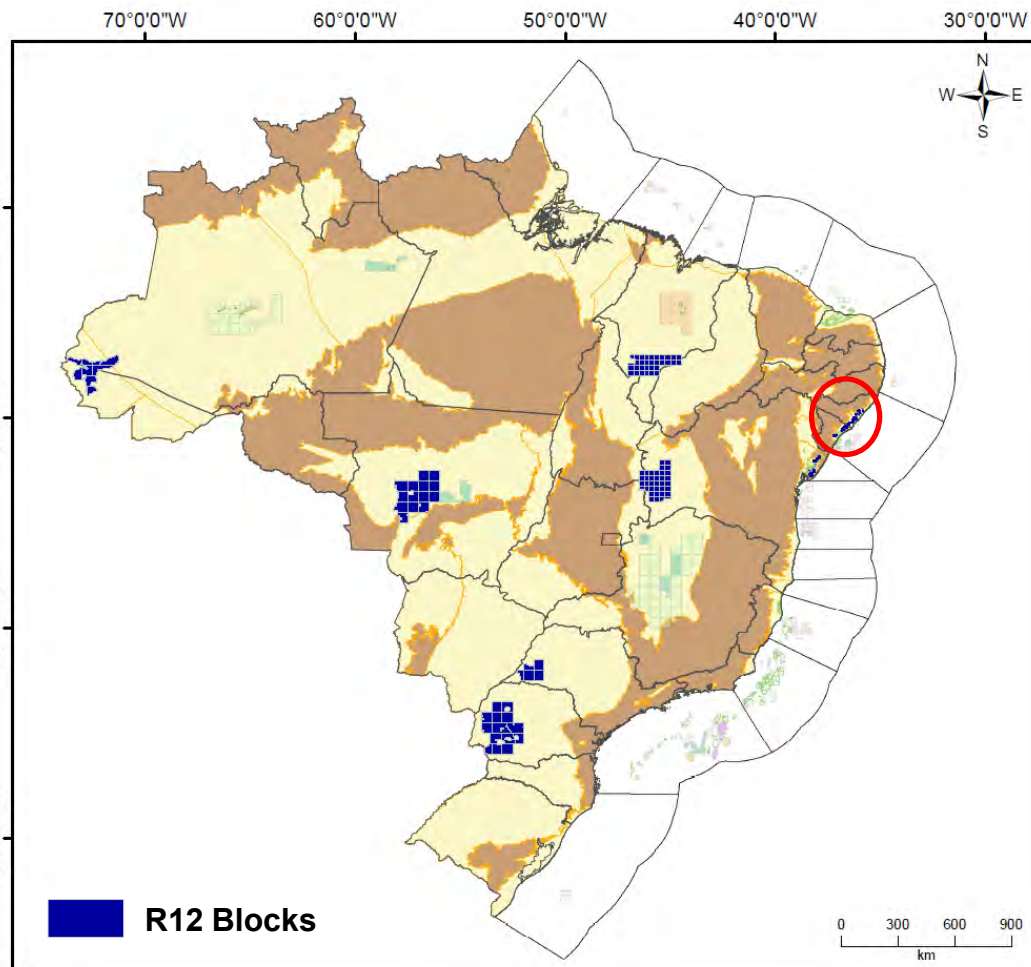
Sergipe-Alagoas Basin

- **Sergipe**

“Administração Estadual do
Meio Ambiente (ADEMA)”

- **Alagoas**

“Instituto do Meio Ambiente (IMA)”



Bidding round information

1ª Licitação de
Partilha de Produção

12ª Rodada de
Licitações

11ª Rodada de
Licitações

Rodadas Anteriores

Diretrizes Ambientais para a 12ª Rodada

Áreas Oferecidas

Editais e Contratos

Cronograma

Consulta e Audiência

Taxa de Participação

Pacote de Dados

Diretrizes Ambientais

Atas da CEL

to na Resolução CNPE nº 08/03, as áreas ofertadas movidas pela ANP são previamente analisadas quanto Instituto Brasileiro do Meio Ambiente e dos Recursos e pelos órgãos ambientais estaduais competentes. O junto é eventualmente excluir áreas por restrições breposição com unidades de conservação ou outras possível ou recomendável a ocorrência de atividades &P) de petróleo e gás natural.

e são elaborados pareceres pelos órgãos ambientais que permitem ao futuro concessionário a inclusão da estudos de viabilidade técnica e econômica dos e gás natural.

os blocos ofertados na Décima Segunda Rodada de manifestação positiva do órgão estadual ambiental ressaltadas, quando necessário, as possíveis de especificidades locais. As exclusões de áreas ambientais foram atendidas pela ANP.

Arquivos

 [Resolução CNPE nº08/03](#)

brasil-rounds.gov.br

Bidding round information

Apresentação | Pacotes Disponíveis | Pacotes Adquiridos | Dados de Fomento | Ajuda | Contato/FAQ

Rodada 12

SAC

Sísmica 2D

Poços

Informações Gerais

Diretrizes Ambientais

Símbolos Geológicos

Estudos e Relatórios

Geoquímica

Métodos Potenciais

SPAR-C

SPAR-CN

SPN-O

SPRC-L

SPRC-O

SREC-T2

SREC-T4

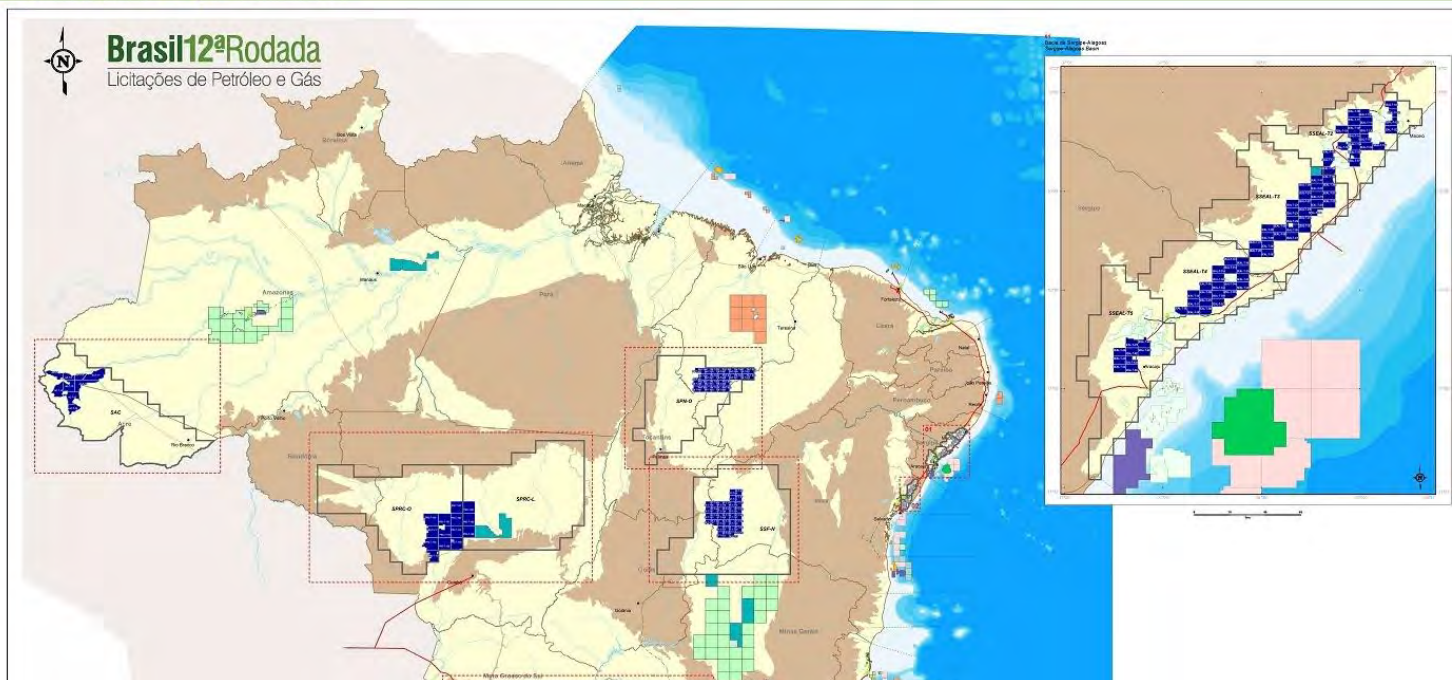
SSEAL-T2

SSEAL-T3

SSEAL-T4

SSEAL-T5

SSF-N



Data Package

Final Remarks

- **All blocks to be offered in the 12th Round were considered suitable for the E&P activity by the environmental agencies;**
- **Joint agreement and environmental licenses granting are distinct processes;**
- **“APPs”, wetlands, ecological-economic zoning, and priority areas for biodiversity conservation, may demand more specific mitigation measures;**
- **ANP believes that E&P activities can be made compatible with environmental protection.**

Q&A Room

ANP and ENVIRONMENTAL AGENCIES

Agência Nacional do Petróleo, Gás Natural e Biocombustíveis

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www.anp.gov.br

http://brasil-rounds.gov.br/round_12/portugues_R12/Diretrizes_Ambientais.asp

