

UM OLHAR PARA A BACIA

Grupo Bacias

Regina Kishi (Coordenadora e Professora)

Gabriel Pereira (Pós-Doutorando)

Eileen Acosta (Doutoranda)

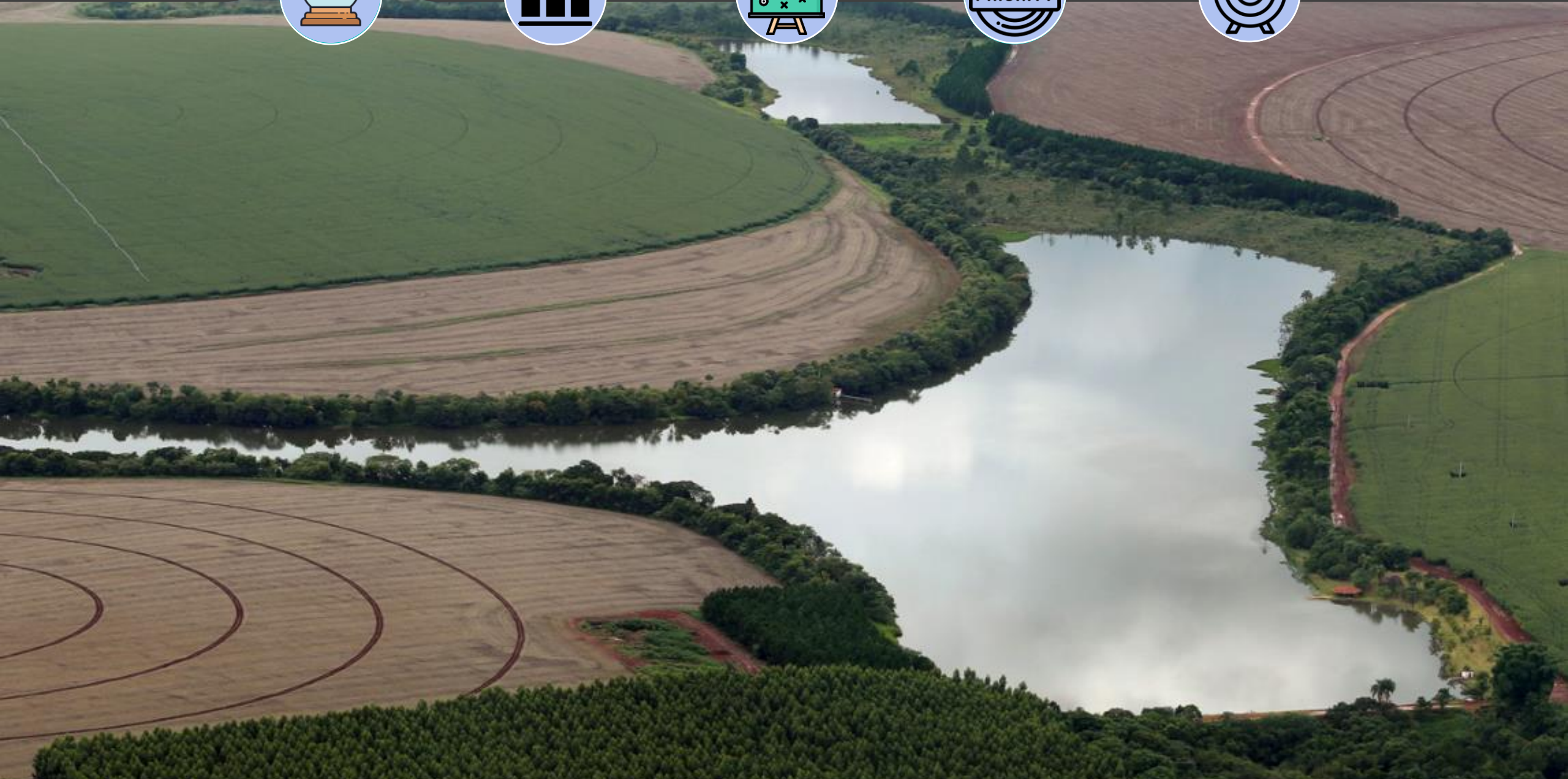
Alana Lassen (Mestranda)

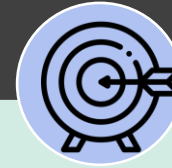
Thiago Godoy (Graduando)

Stephan Fuchs (Consultor)

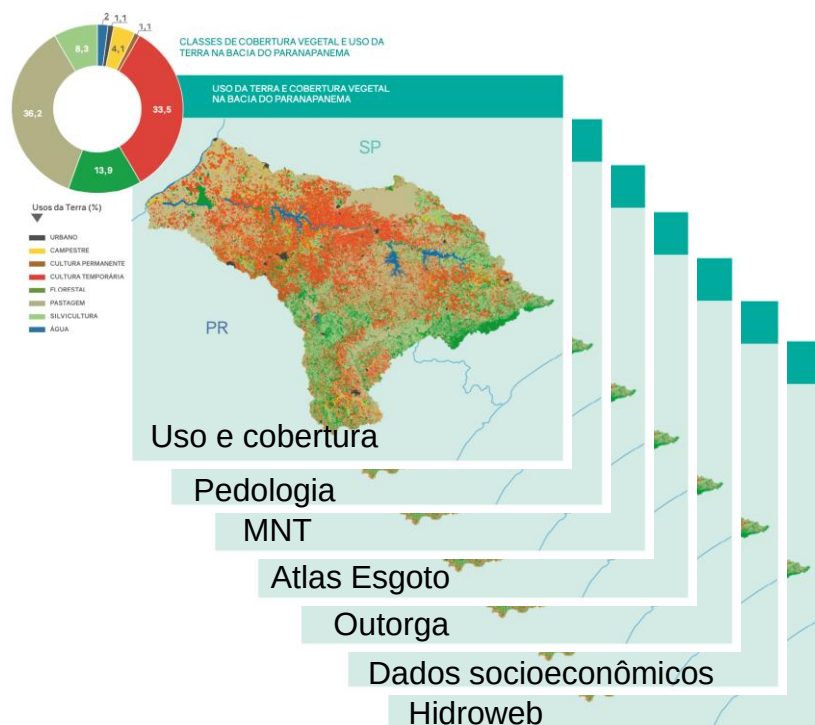
Klajdi Sotiri (Consultor)







DADOS DISPONÍVEIS E ACESSÍVEIS

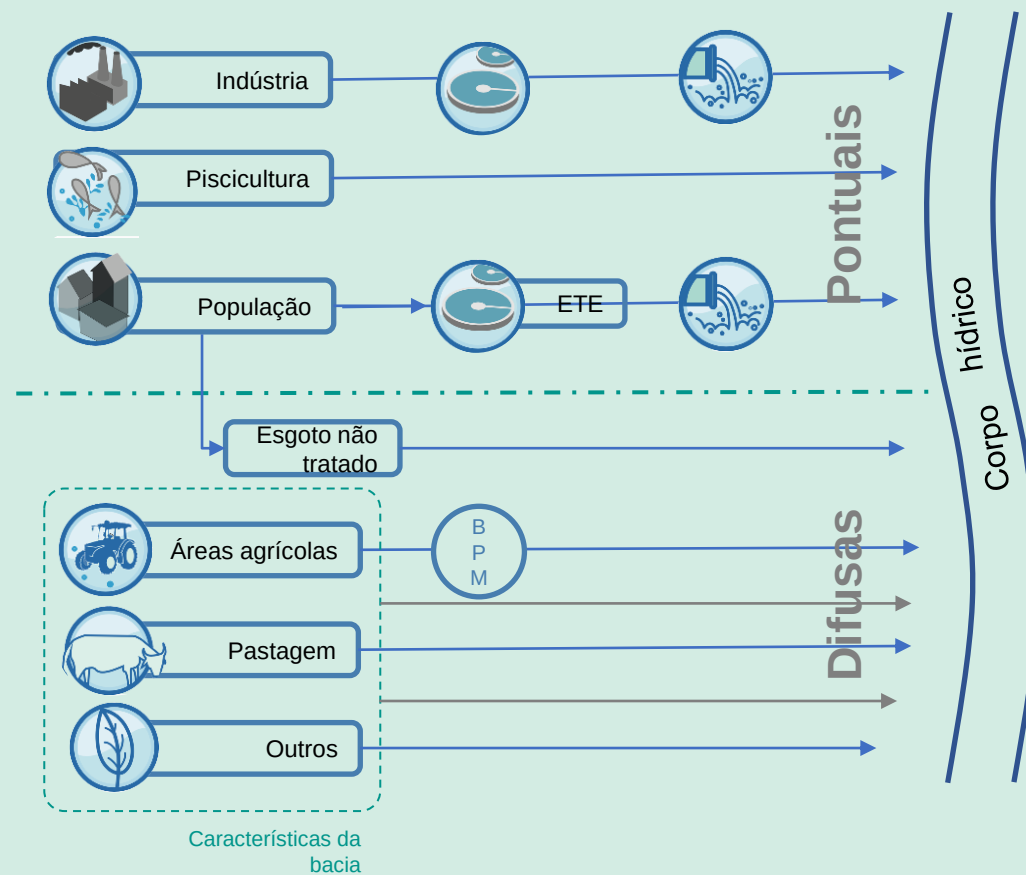


O MODELO

FONTES POTENCIAIS

MEDIDAS

VIAS



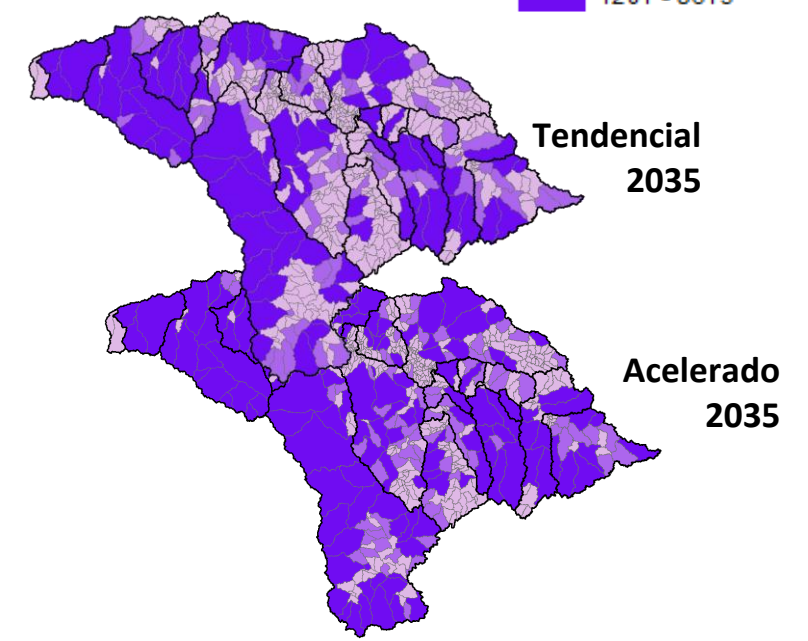
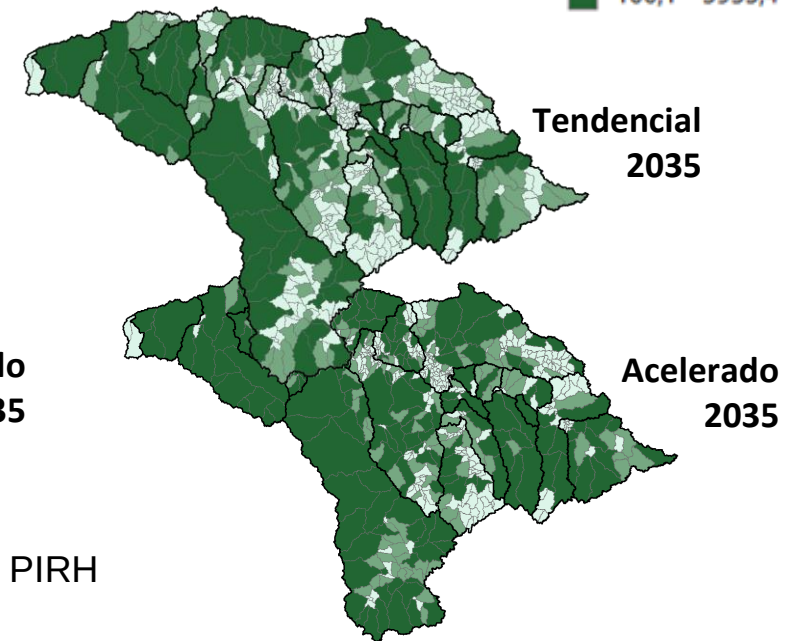
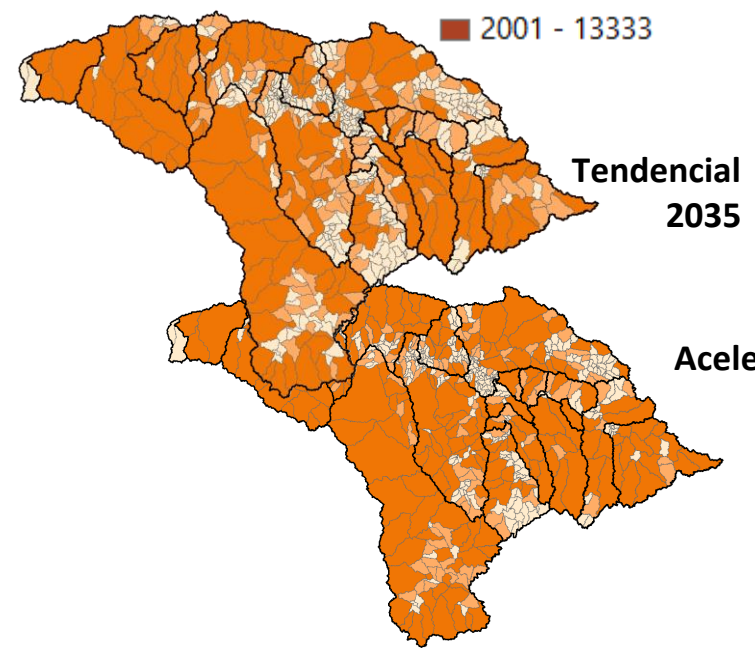
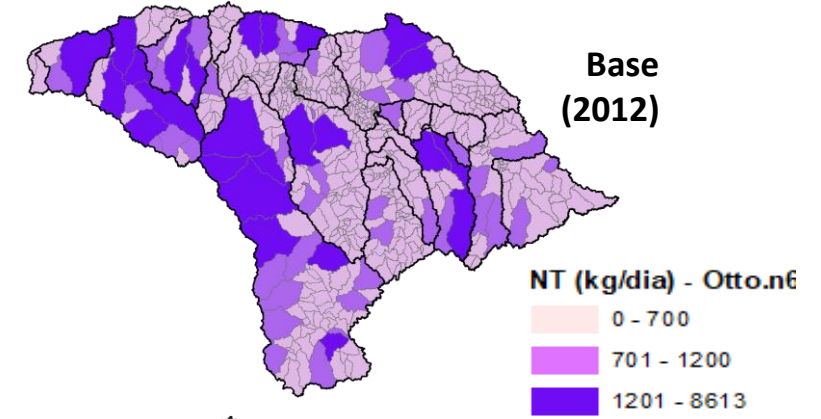
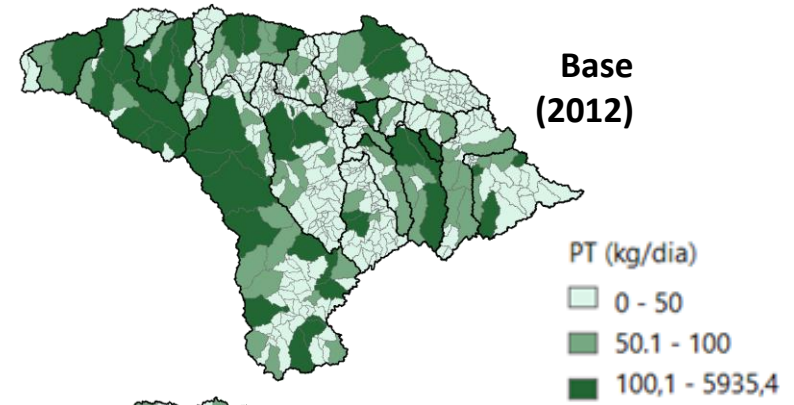
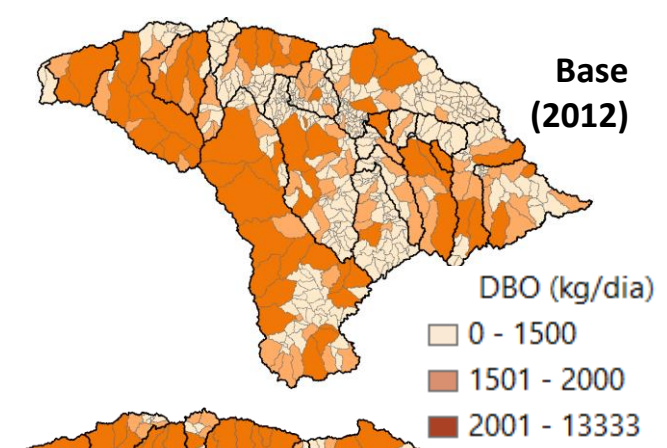
ESTIMATIVA SIMPLIFICADA DE CARGAS NOS CENÁRIOS FUTUROS



DBO

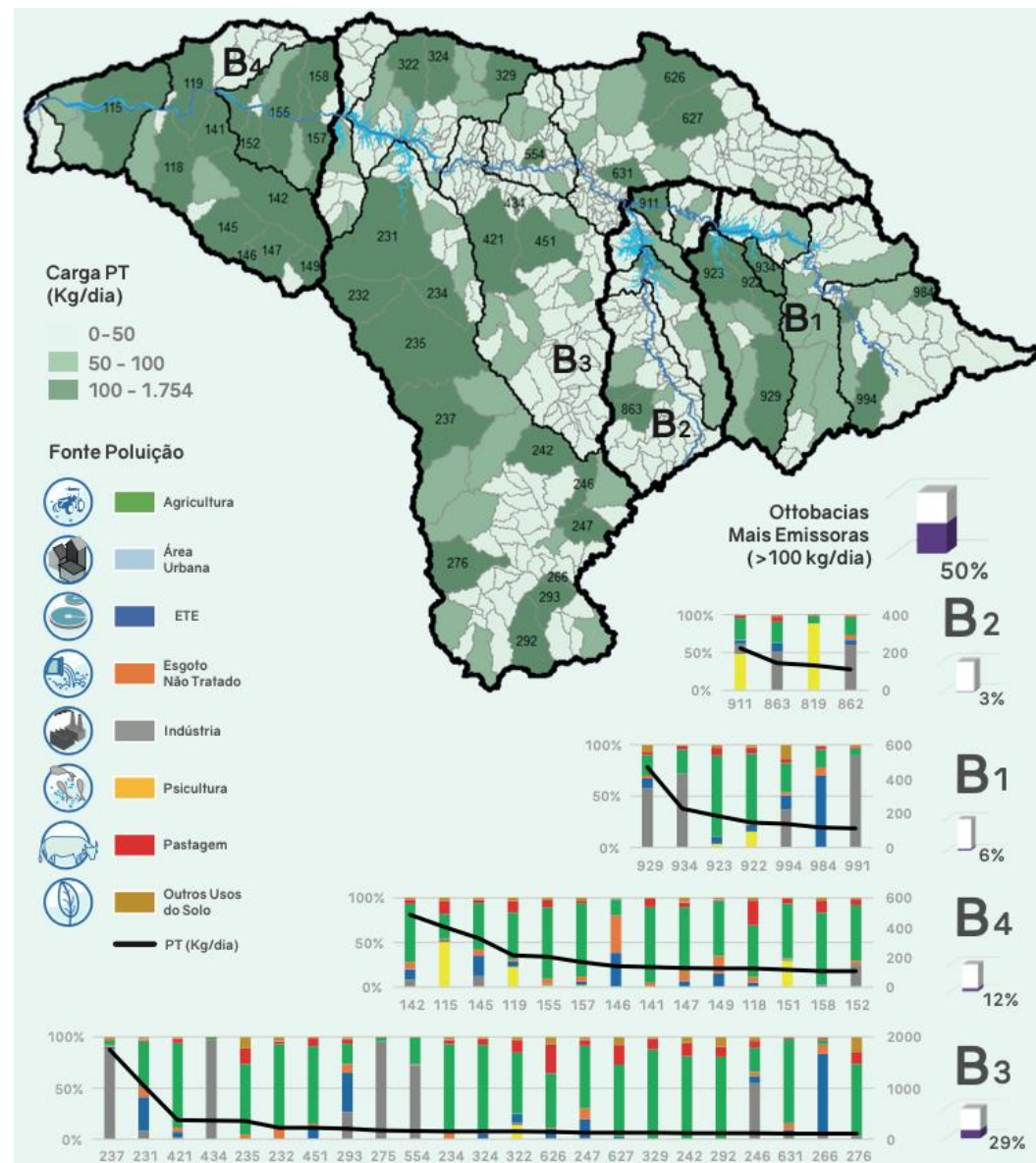
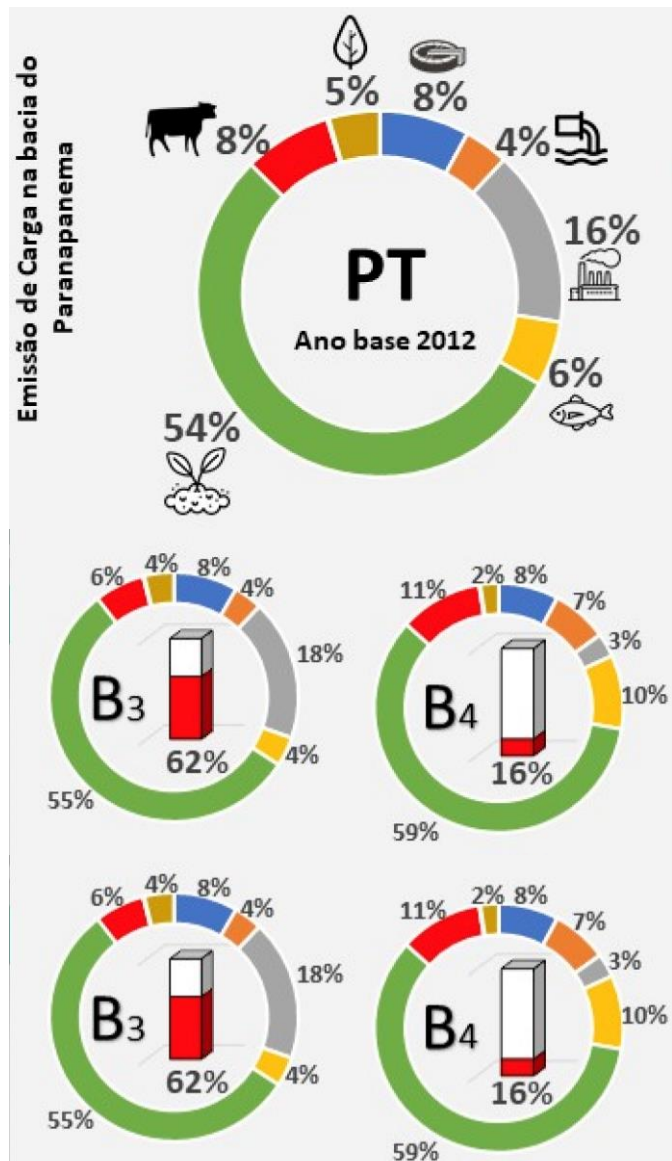
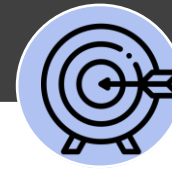
PT

NT



PIRH

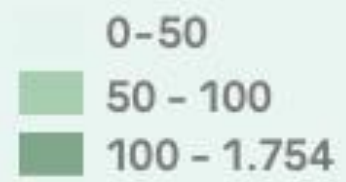
ESTIMATIVA SIMPLIFICADA DE CARGAS NOS CENÁRIOS FUTUROS



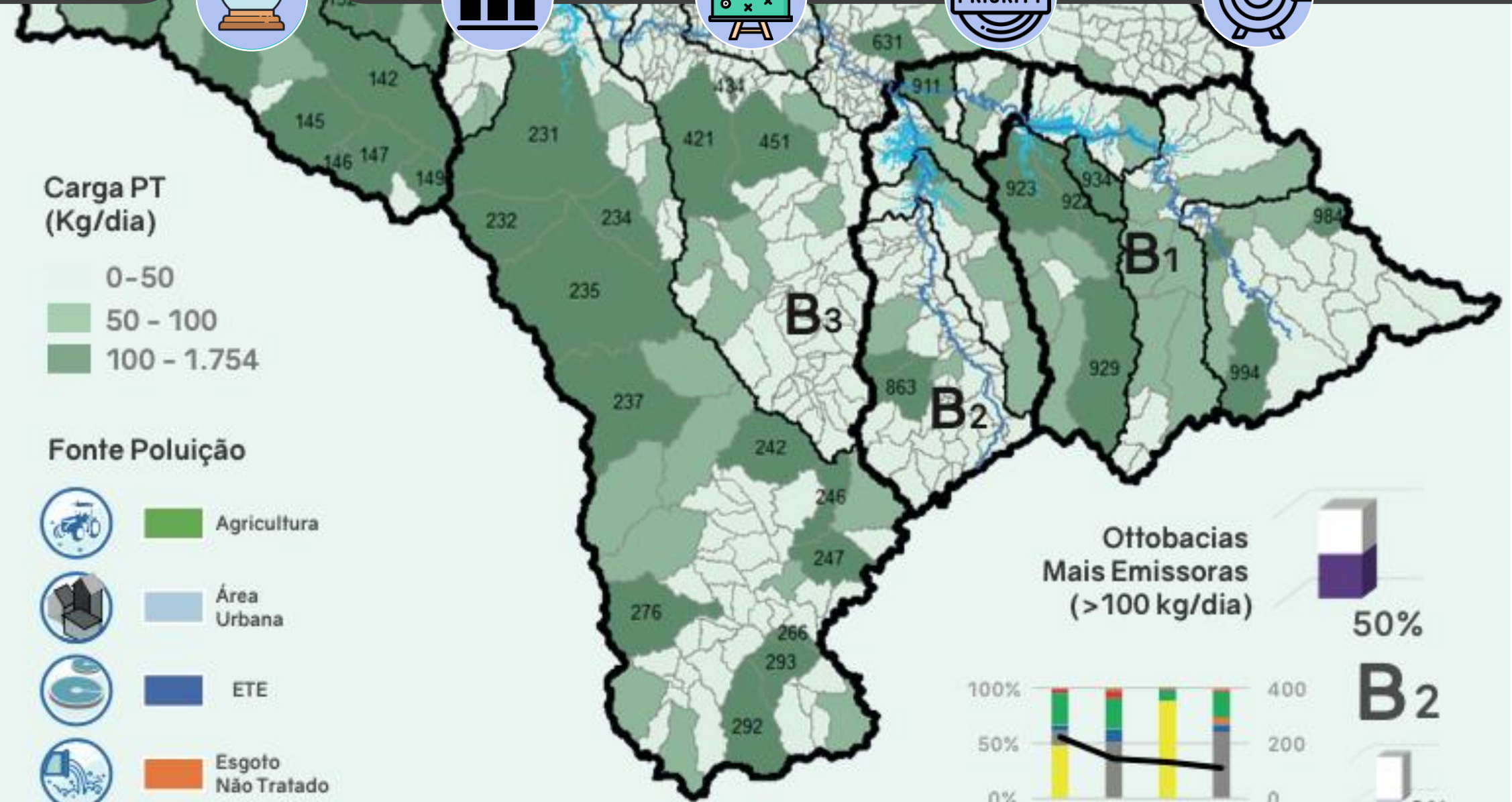
ESTIMATIVA SIMPLIFICADA DE CARGAS NOS CENÁRIOS FUTUROS



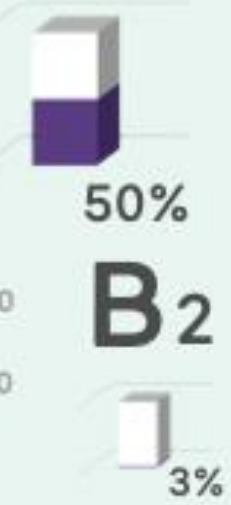
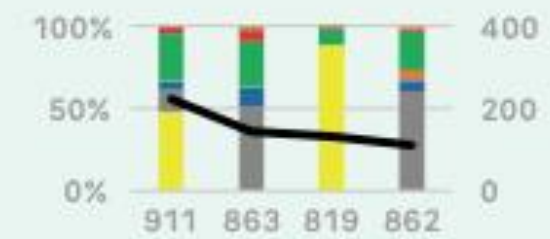
Carga PT
(Kg/dia)



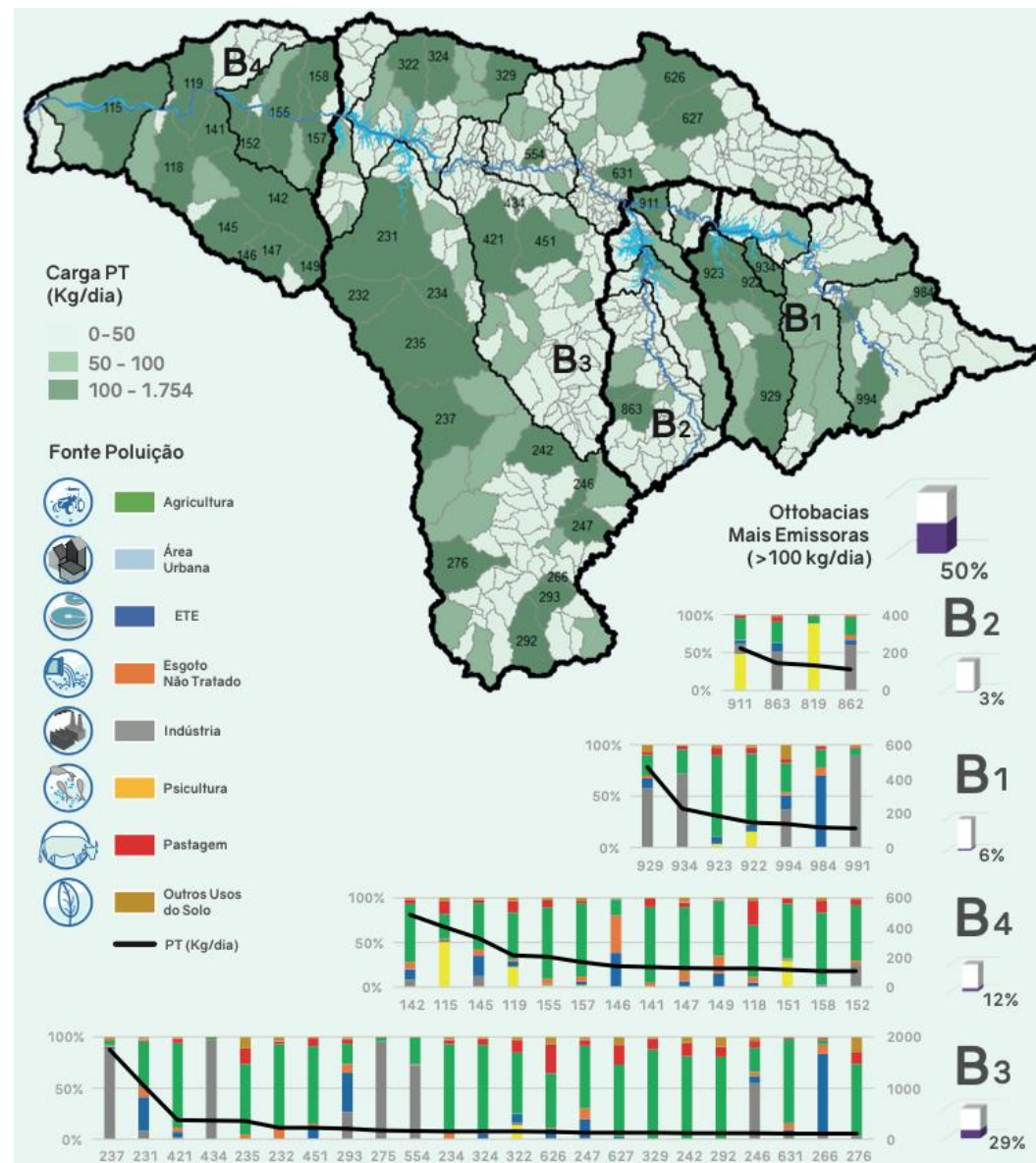
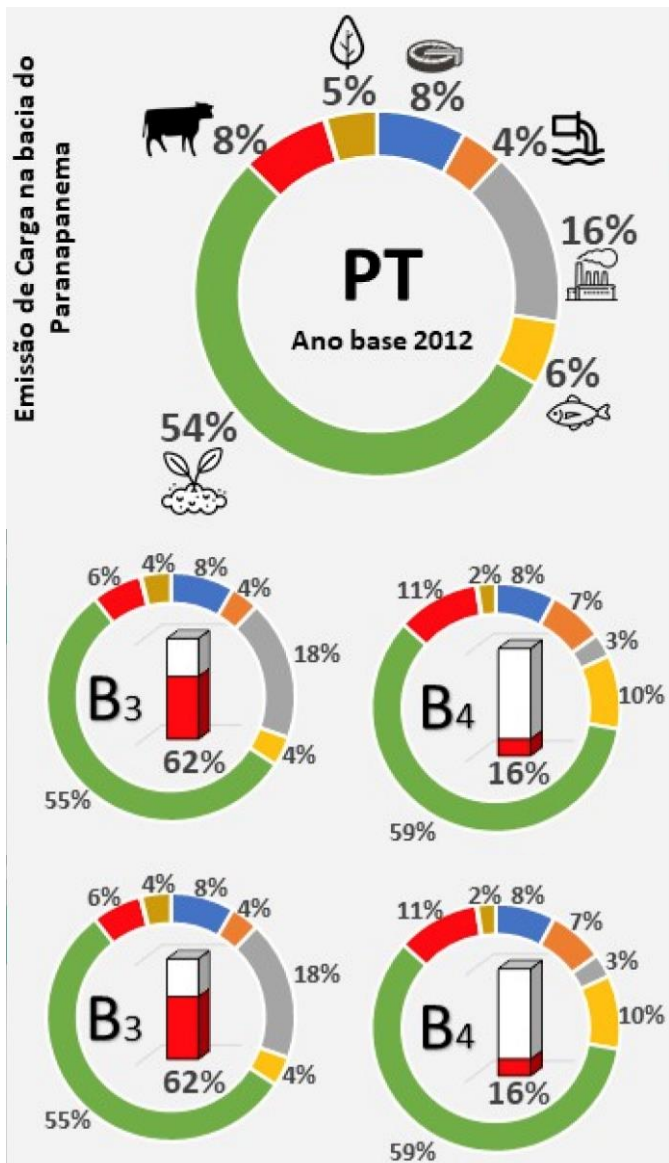
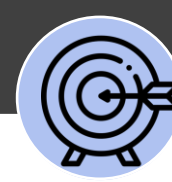
Fonte Poluição



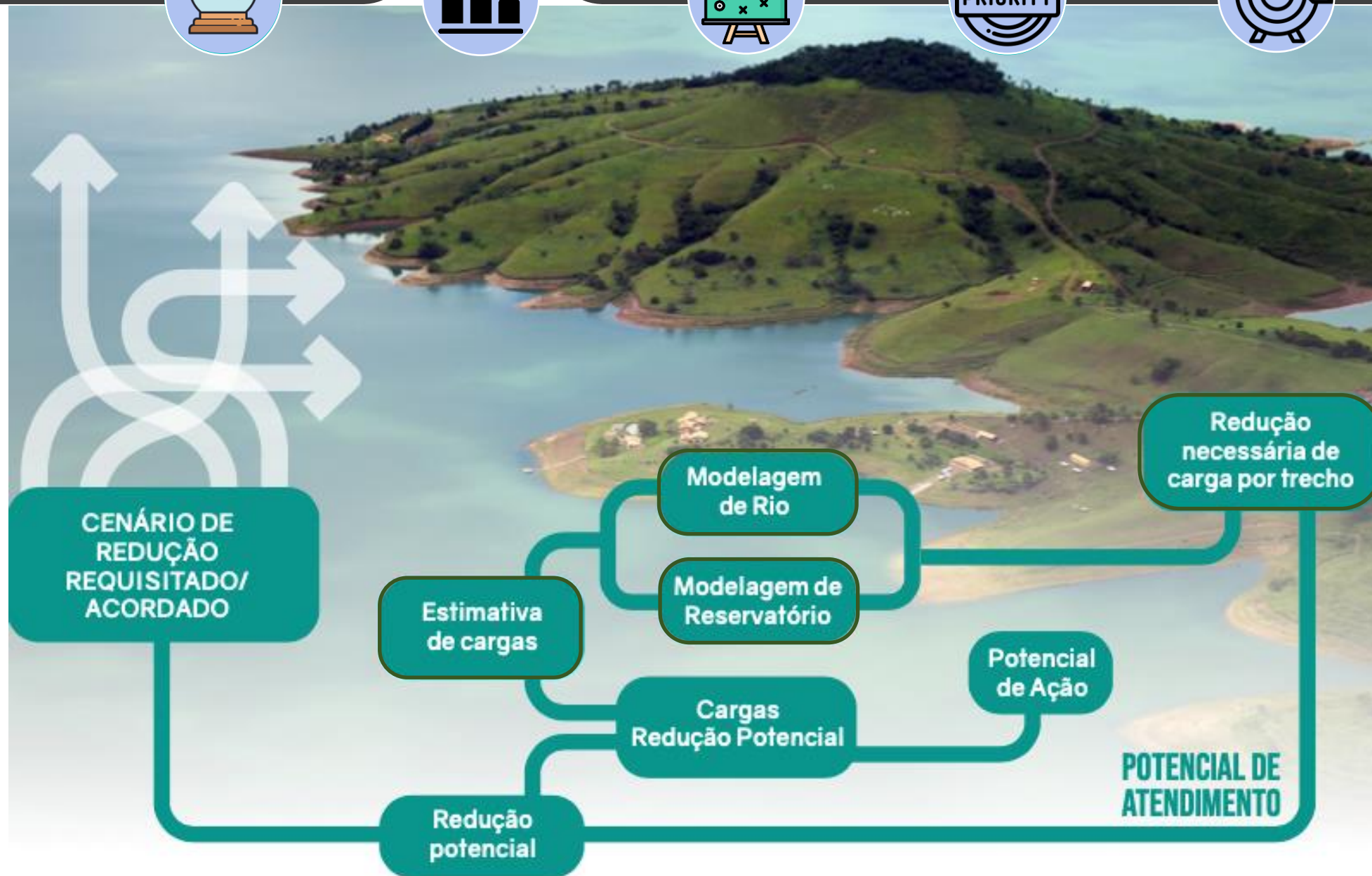
Ottobacias
Mais Emissoras
(>100 kg/dia)



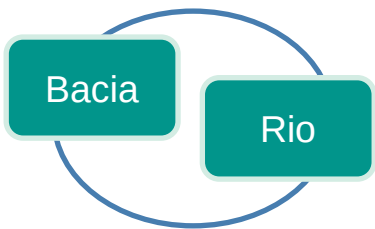
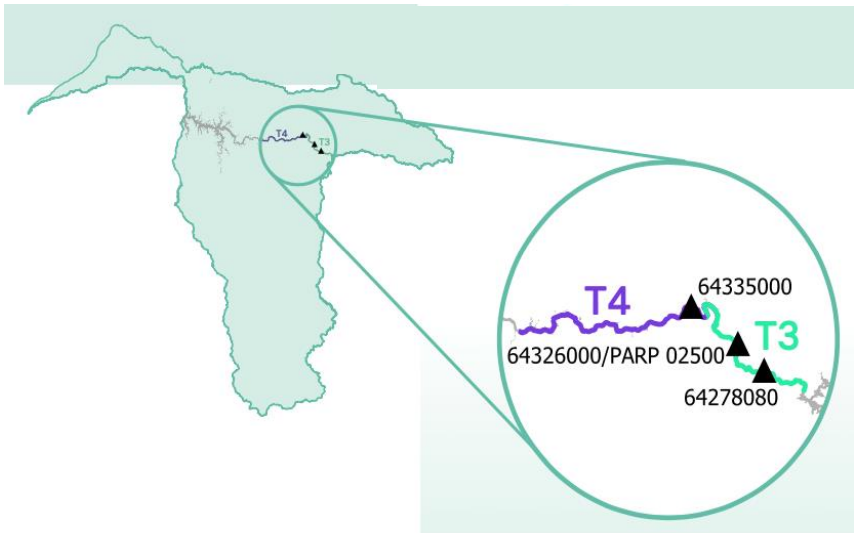
ESTIMATIVA SIMPLIFICADA DE CARGAS NOS CENÁRIOS FUTUROS



ESTRATÉGIA DE REDUÇÃO DE CARGAS



ESTRATÉGIA DE REDUÇÃO DE CARGAS



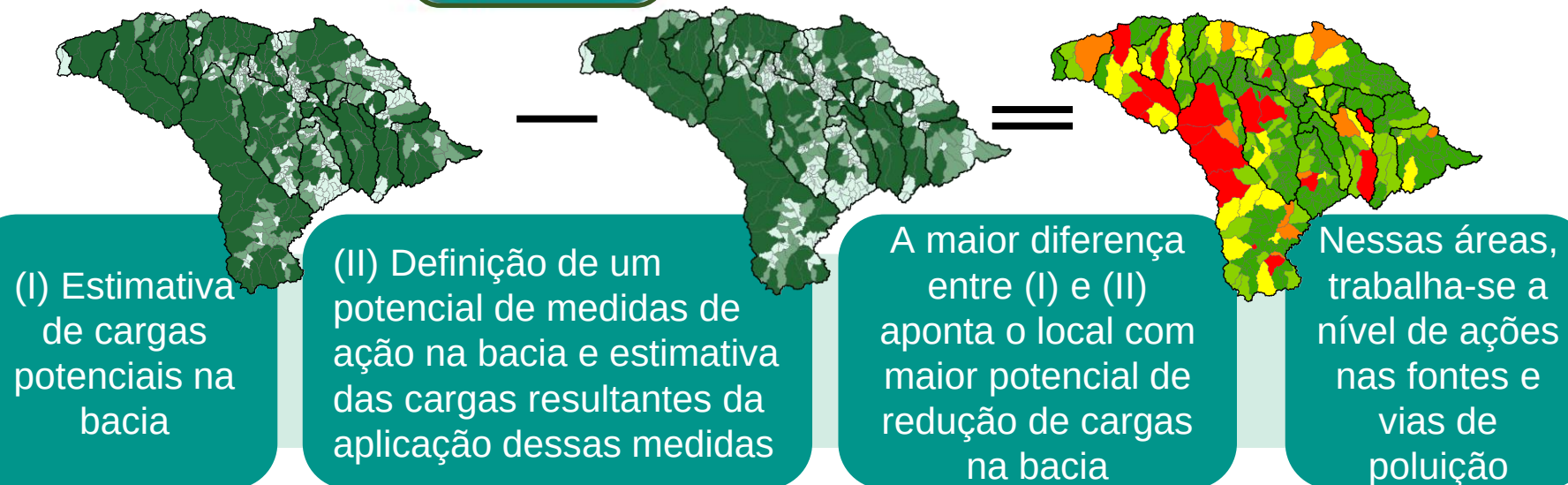
TENDENCIAL 2035 - T35							
Rio	Trecho	DBO	PT	NT	DBO	PT	NT
		Classe 2			Classe 3		
Parapanema	T1	-6%	55%	27%	-112%	32%	-10%
	T2	-18%	-71%	-79%	-136%	-83%	-99%
	T3	18%	2%	63%	-65%	-47%	45%
	T4	12%	68%	13%	-56%	52%	7%
	T5	3%	1%	-21%	-75%	-26%	-76%
	T6	11%	47%	-12%	-73%	21%	-68%
	T7	0%	11%	-16%	-79%	7%	-73%
Itararé	T8	-1%	89%	85%	-102%	83%	77%

ACELERADO 2035 - A35							
Rio	Trecho	DBO	PT	NT	DBO	PT	NT
		Classe 2			Classe 3		
Parapanema	T1	23%	67%	59%	-53%	51%	38%
	T2	-10%	-60%	-124%	-70%	-74%	-129%
	T3	41%	31%	64%	-18%	-4%	46%
	T4	33%	80%	19%	-1%	70%	14%
	T5	25%	29%	16%	-9%	5%	-16%
	T6	29%	55%	16%	-8%	48%	-5%
	T7	23%	35%	14%	-11%	14%	-8%
Itararé	T8	40%	93%	94%	-20%	90%	91%

ESTRATÉGIA DE REDUÇÃO DE CARGAS



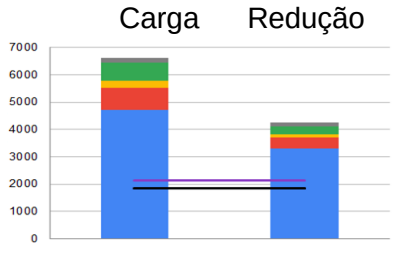
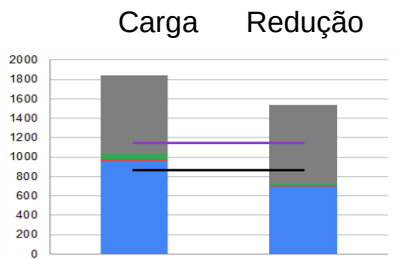
ESTRATÉGIA DE REDUÇÃO DE CARGAS



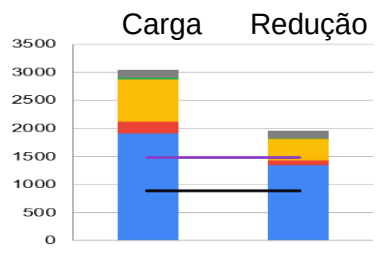
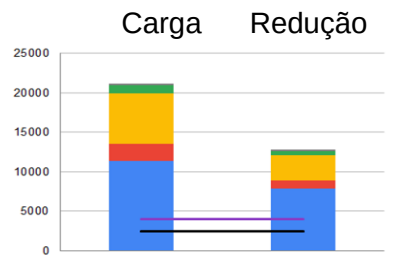
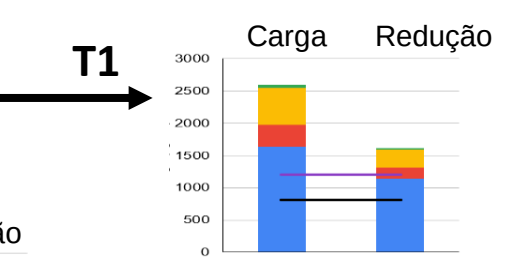
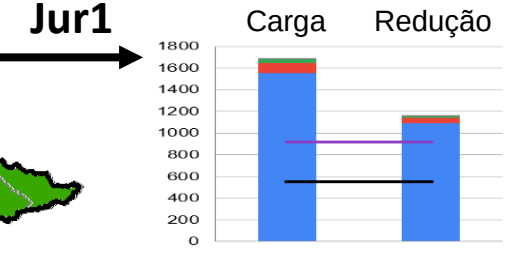
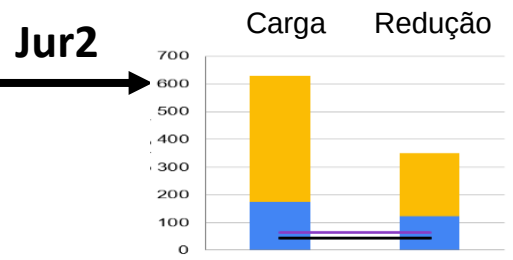
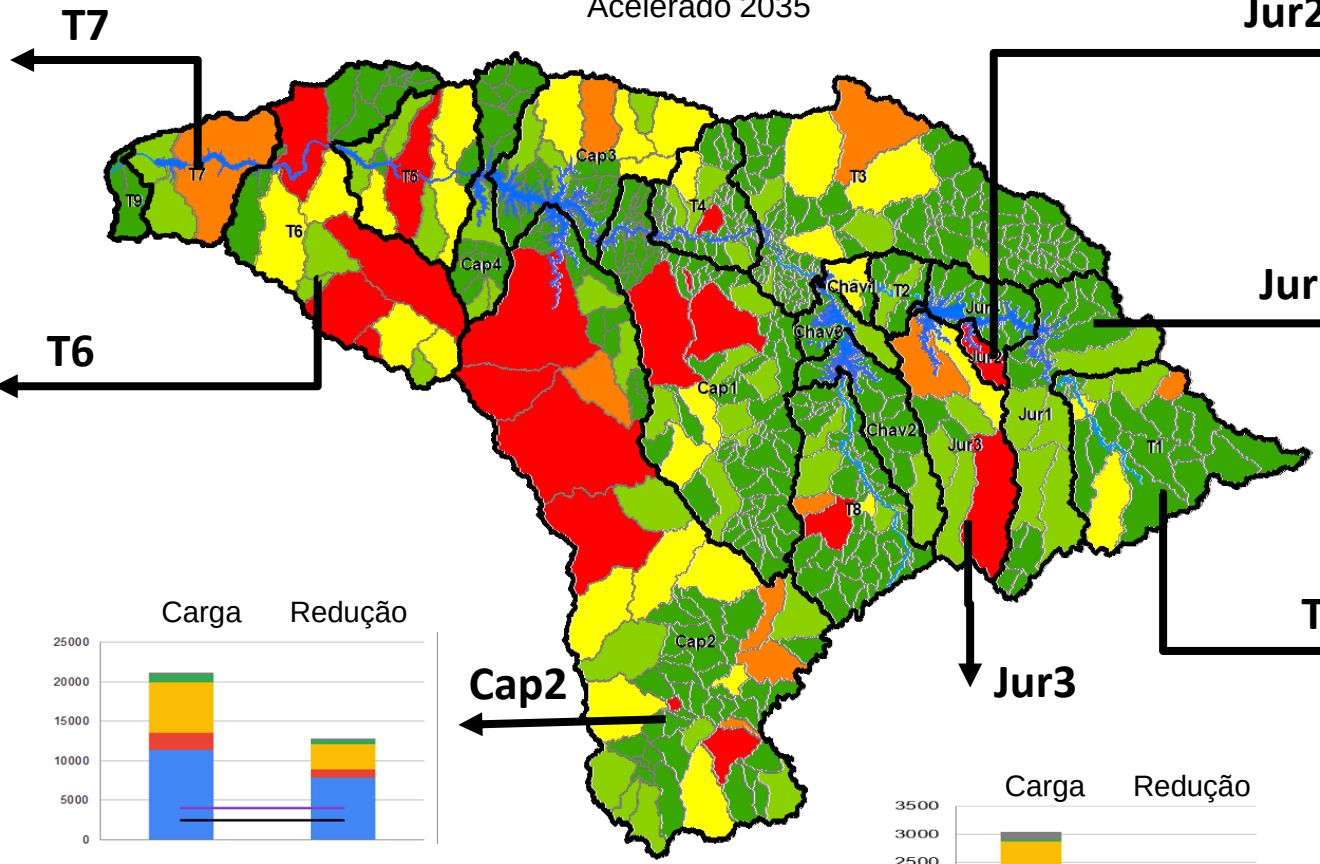
ESTRATÉGIA DE REDUÇÃO DE CARGAS



PT
Acelerado 2035



- Piscicultura
- Esgoto não tratado
- Indústria
- ETE
- Difusa Uso de Solo
- Meta - Classe 2
- Meta - Classe 3



CARGAS POLUENTES NA BACIA

Estratégias para atendimento ao Enquadramento

ESTIMATIVA DE EMISSÕES NOS CENÁRIOS BASE E FUTUROS

Mapas de estimativa simplificada de cargas para o ano base (2012) e para os cenários Avançado e Tendencial de 2035 para DBO, PT e NT



REDUÇÃO DE CARGAS

Metas de redução de cargas por trecho de rio simulado e zona de reservatório, para atingir os parâmetros de enquadramento

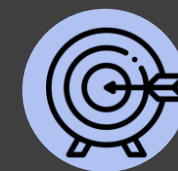
ESTRATÉGIA DE REDUÇÃO DE CARGAS

Metodologia de identificação das áreas mais propensas a redução de carga



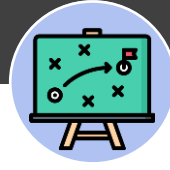
ÁREAS PRIORITÁRIAS DE Ação

Áreas prioritárias de ação para redução de cargas, para os trechos de simulação



AVALIAÇÃO DA META

Análise do resultado da metodologia frente ao atingimento da meta de enquadramento das Classes 2, 3 e 4 por trecho de simulação



Grupo Bacias agradece a atenção!

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