

Instituto de Estudos Avançados da USP

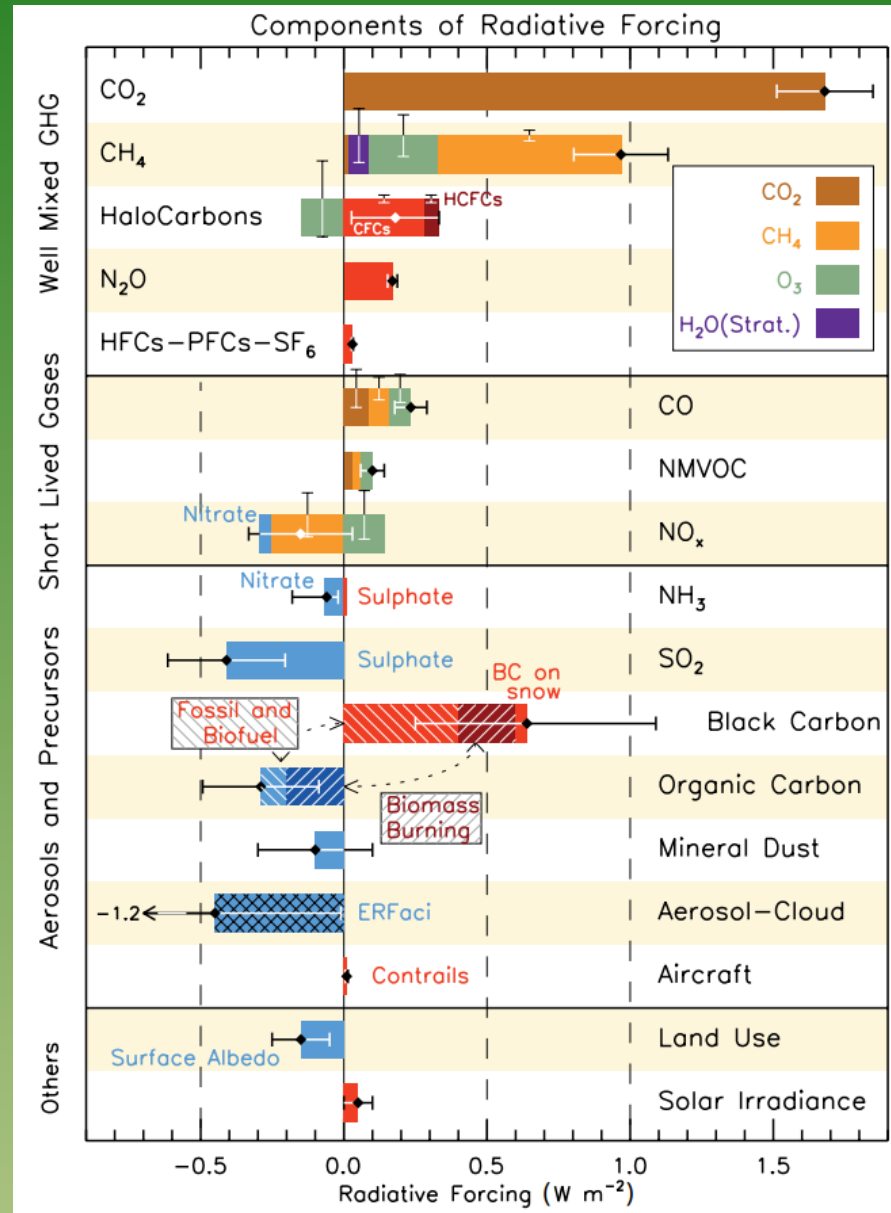
VI SEMINÁRIO INTERNACIONAL POLÍTICAS PÚBLICAS, MUDANÇAS CLIMÁTICAS
E IMPACTOS SOBRE ÁREAS FRÁGEIS

QUEIMADAS E EMISSÃO DE AEROSSÓIS NA AMAZÔNIA

ANDREA CAVICCHIOLI

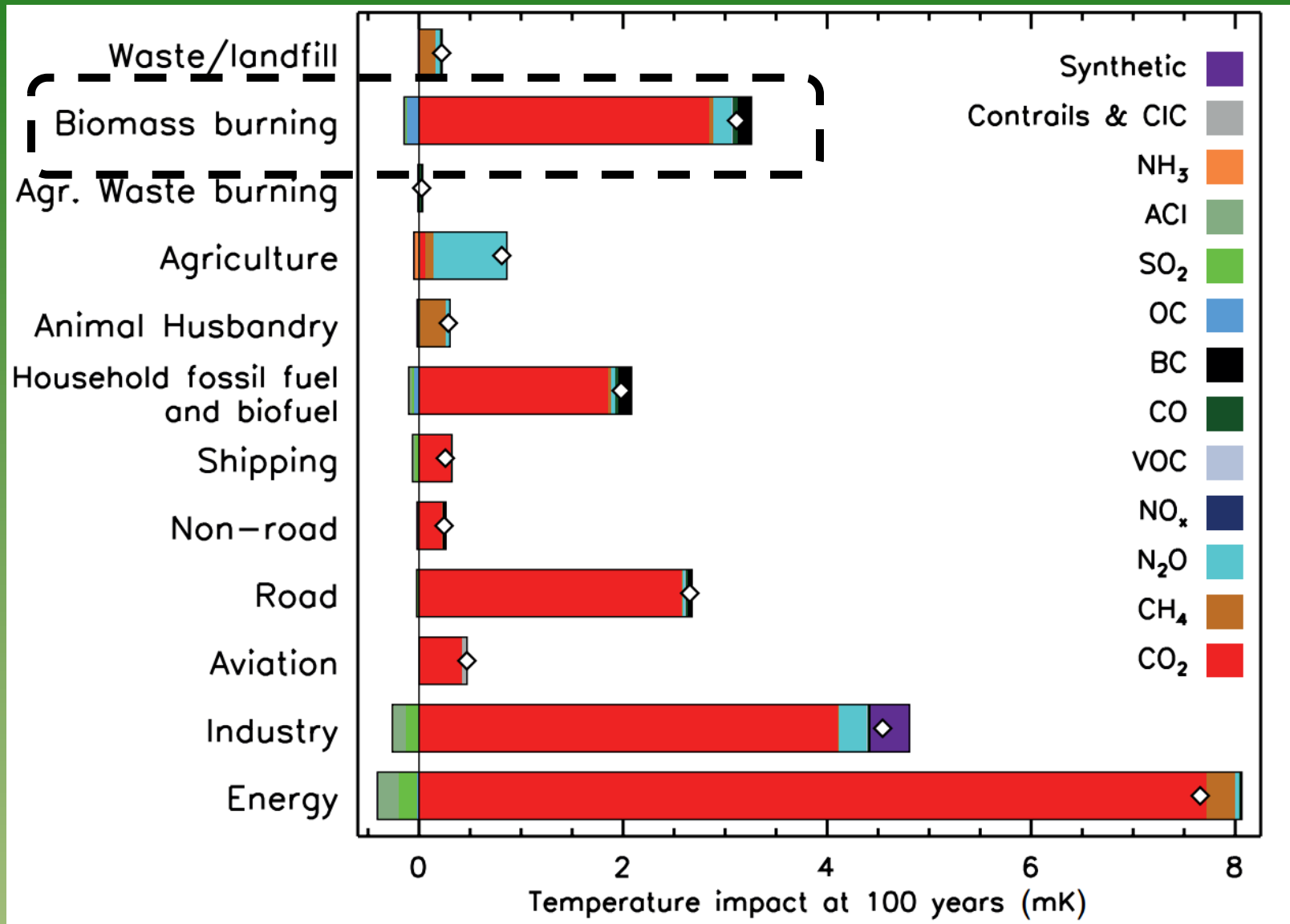
São Paulo, 26/5/2014

Diversos componentes da forçante radiativa em 2011 segundo o IPCC

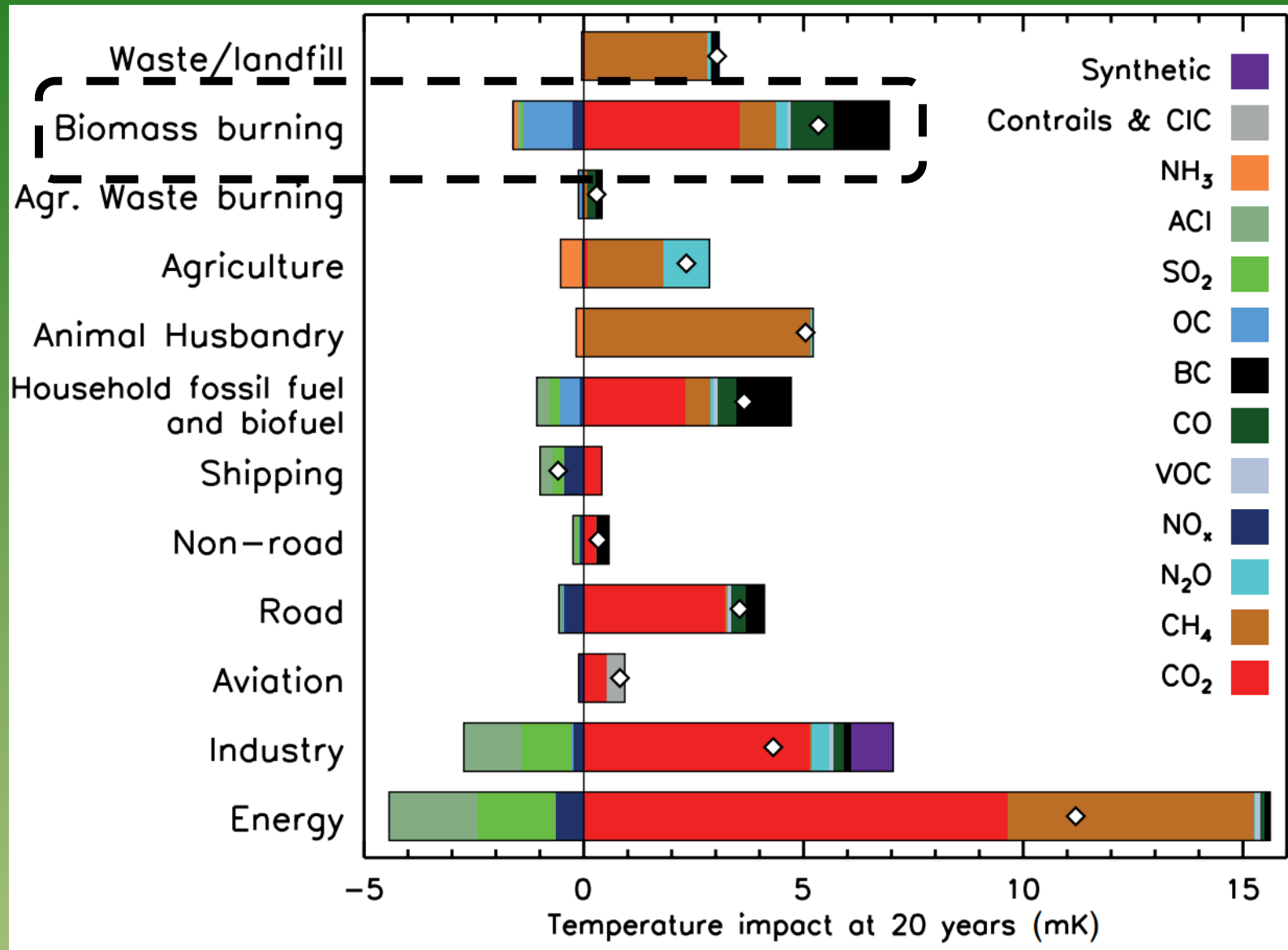


FONTE: AR5 (2013)

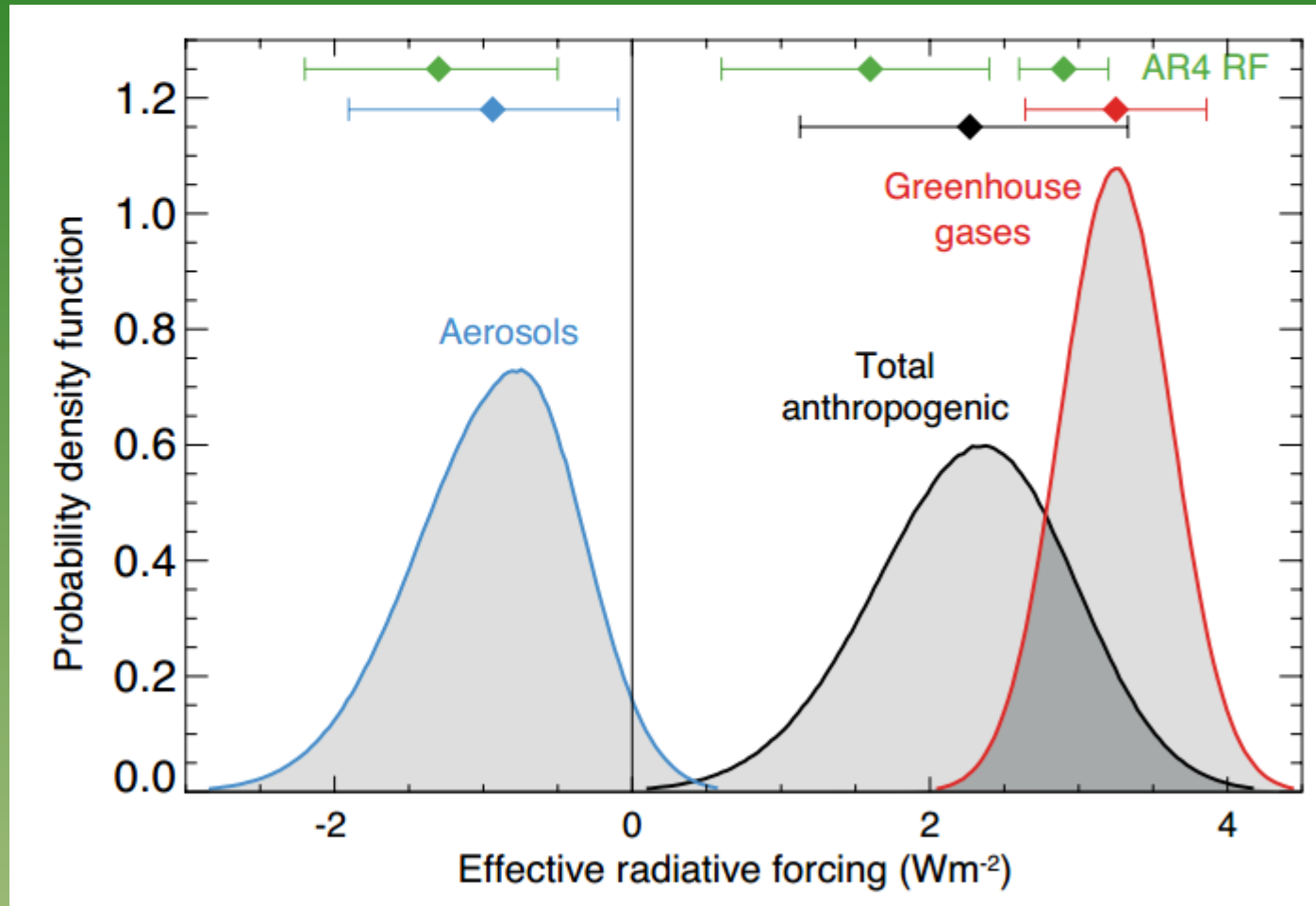
Impactos dos diversos setores no balanço energético da terra



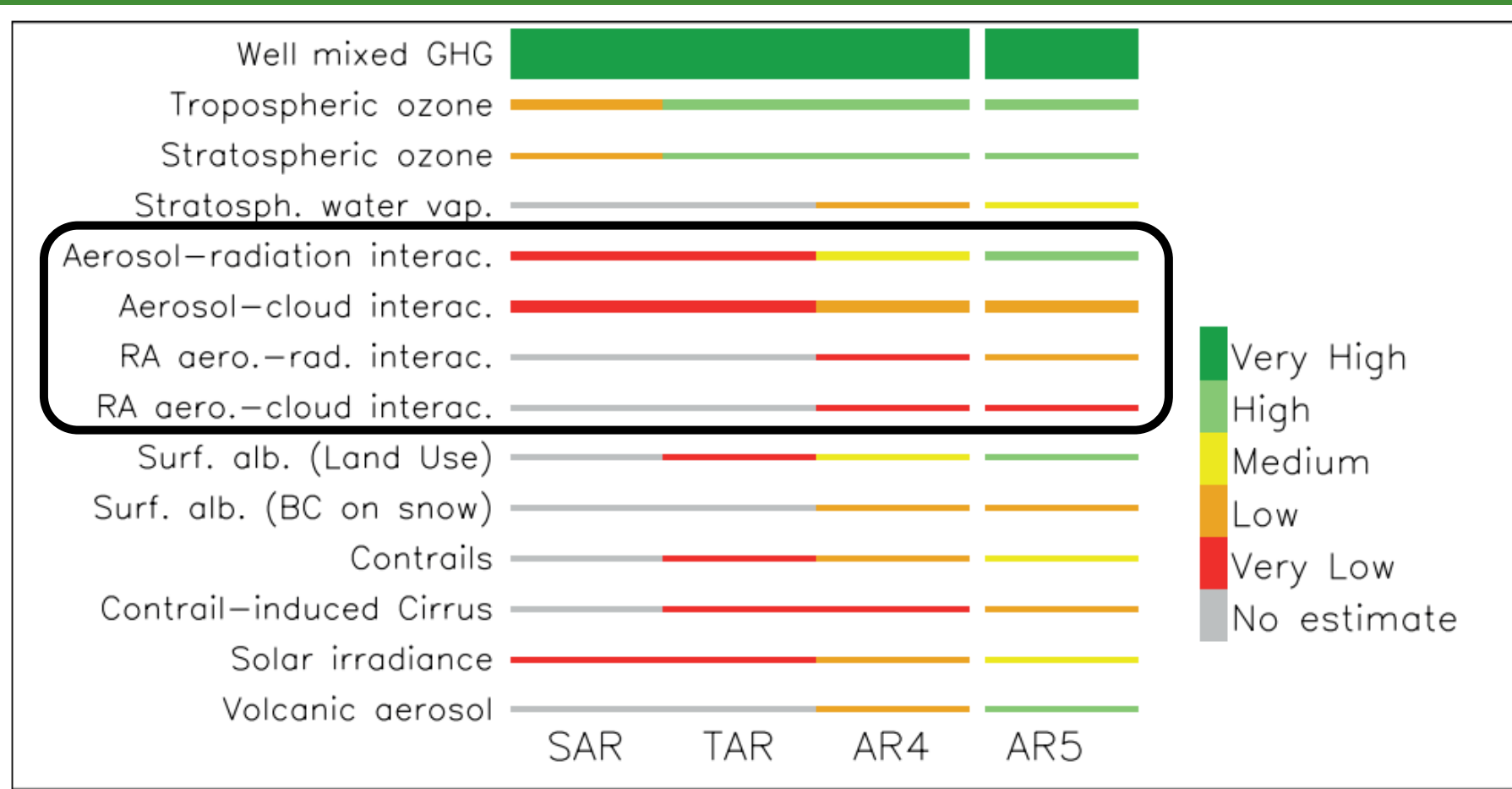
Impactos dos diversos setores no balanço energético da terra

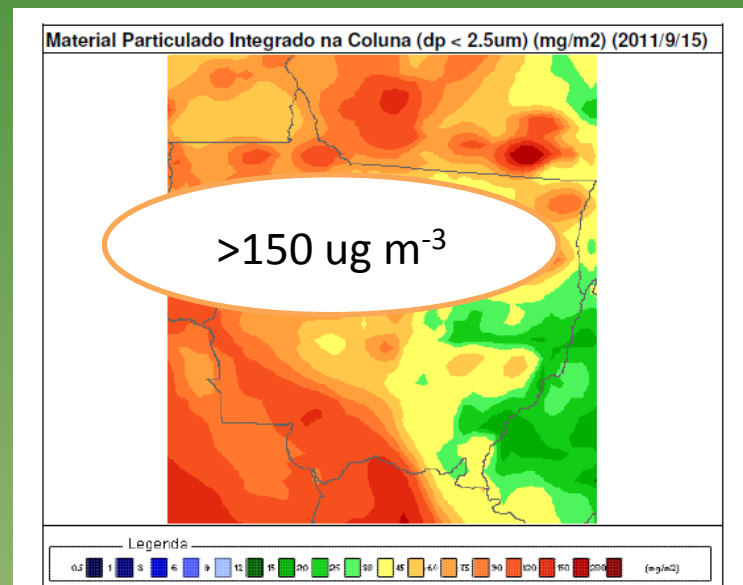


Aerossóis vs. GEE na forçante radiativa efetiva

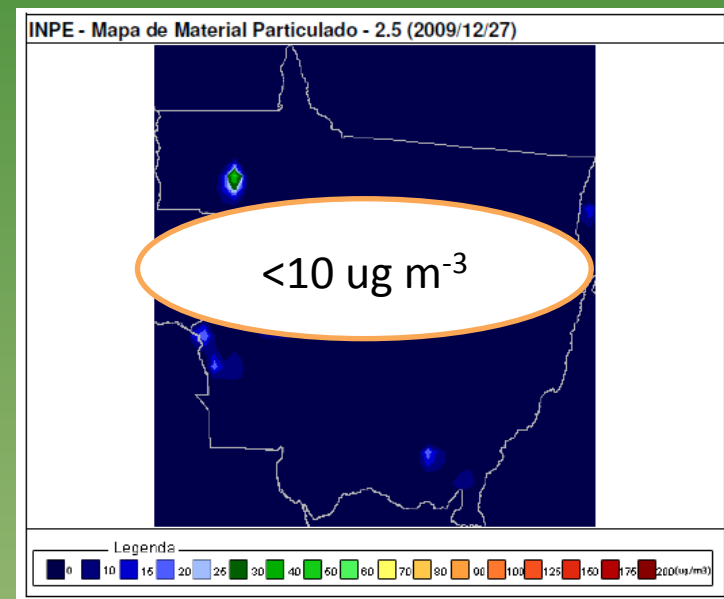


Avanços no nível de confiança dos mecanismos envolvidos com as alterações do balanço radiativo na atmosfera ao longo dos diversos relatórios do IPCC



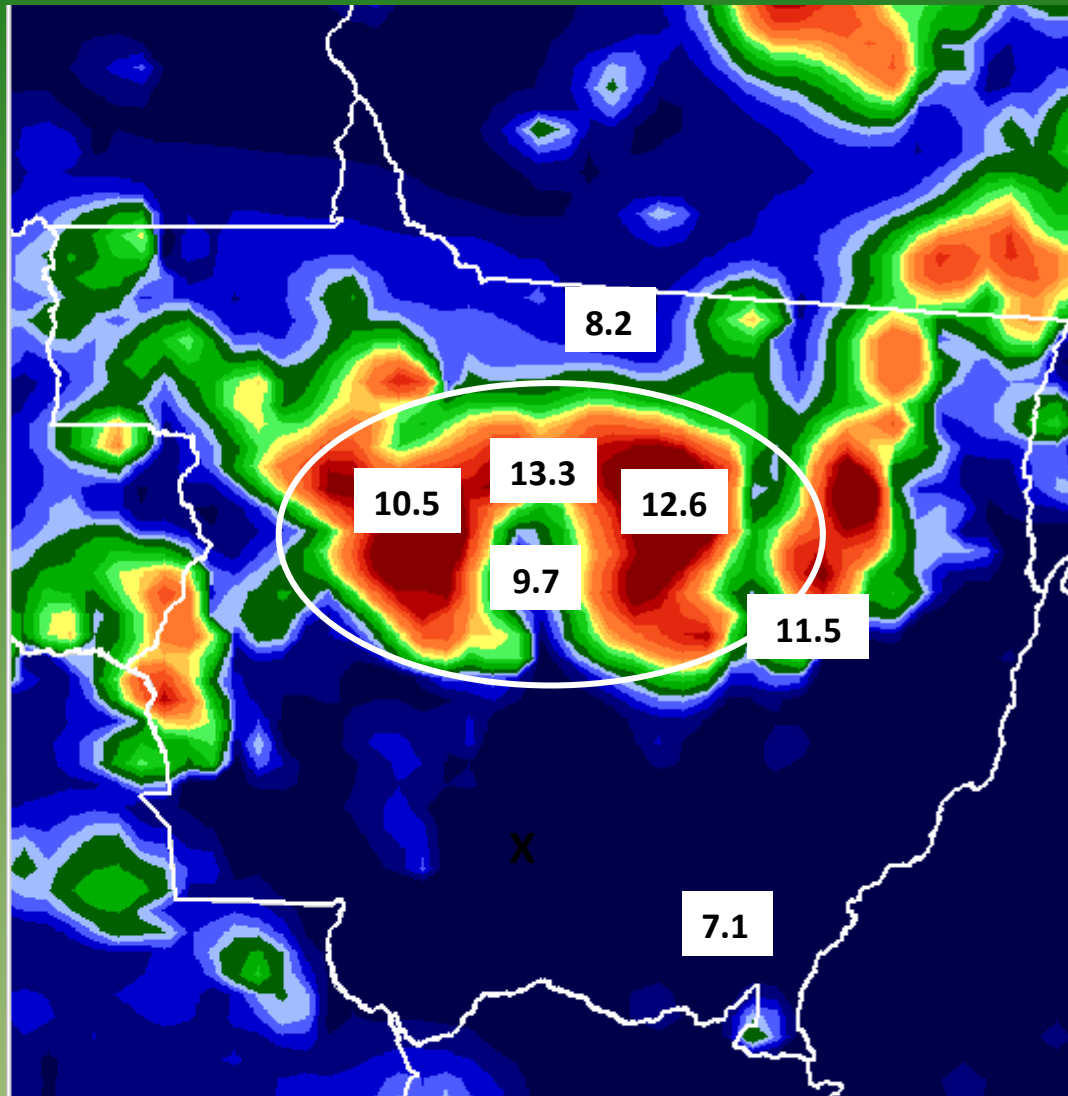


15.9.2011



27.12.2009

FPM concentration ($\mu\text{g m}^{-3}$)



Previous works:

REMOTE AREAS (Amazonia)

2.6 $\mu\text{g m}^{-3}$ (Graham et al., 2003)

2.2 $\mu\text{g m}^{-3}$ (Guyon et al., 2003)

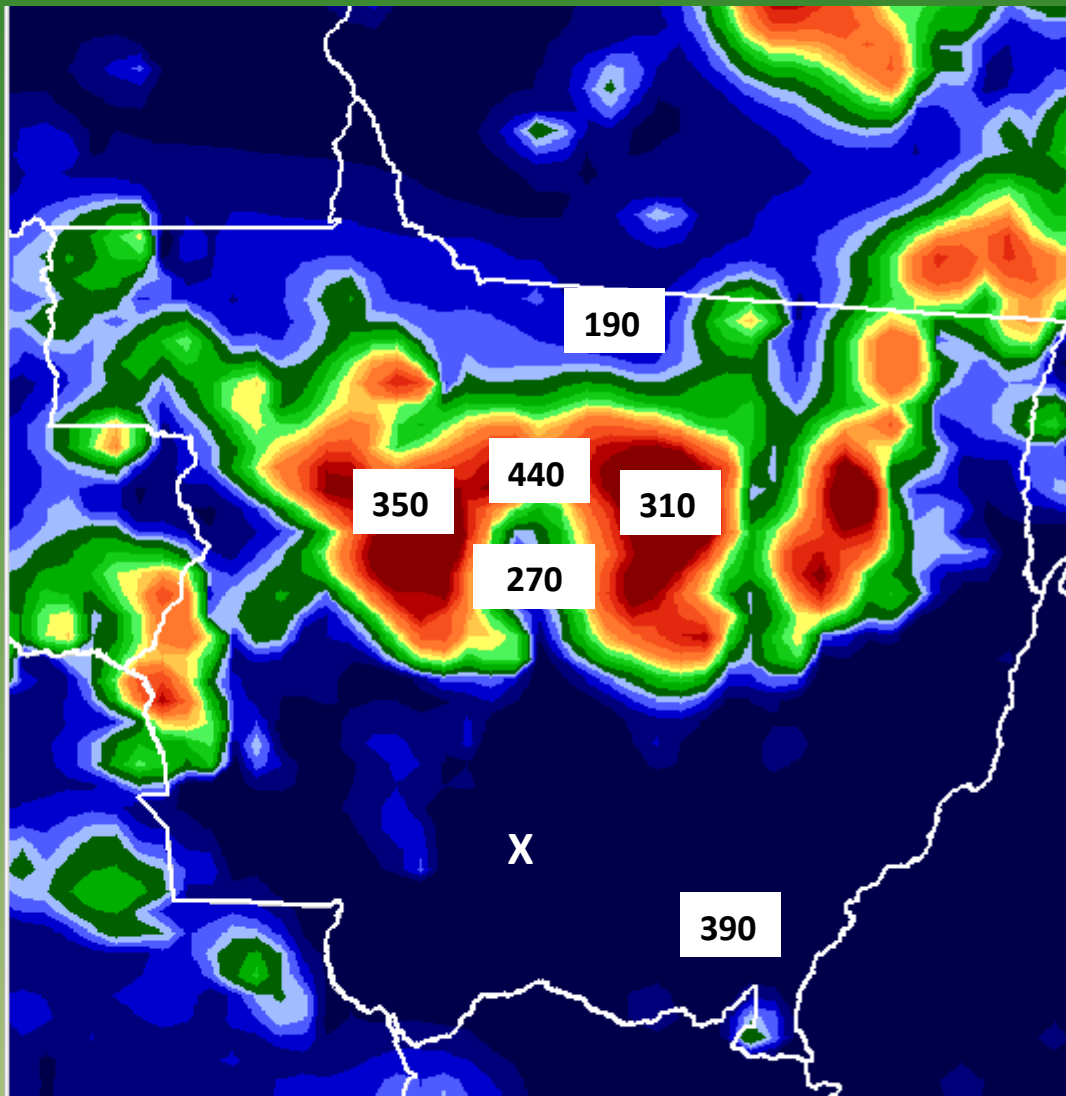
1.6 $\mu\text{g m}^{-3}$ (Formenti et al., 2001)

2.1 $\mu\text{g m}^{-3}$ (Artaxo et al., 1990)

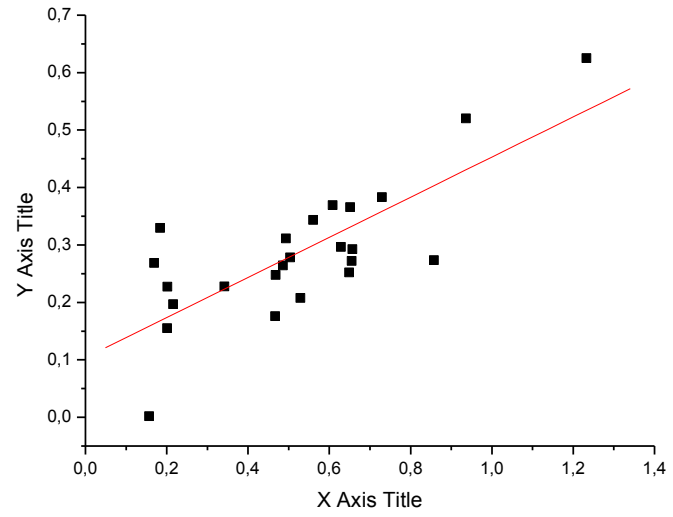
K (fine mode, ng m^{-3})

Previous works:

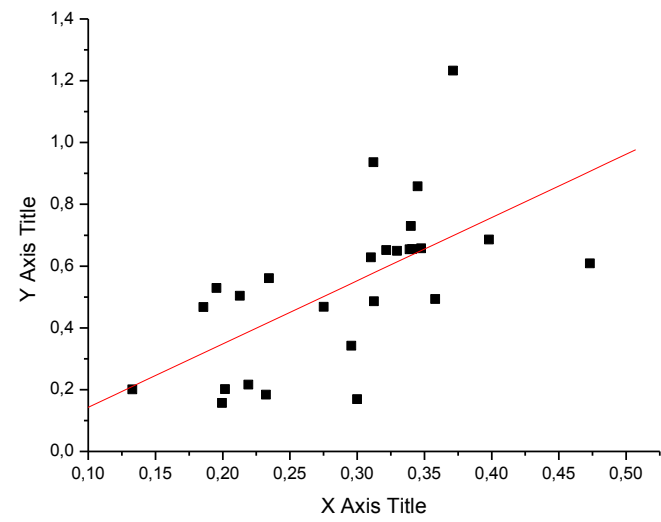
REMOTE AREAS (Amazonia)
 35 ng m^{-3} (Graham et al., 2003)



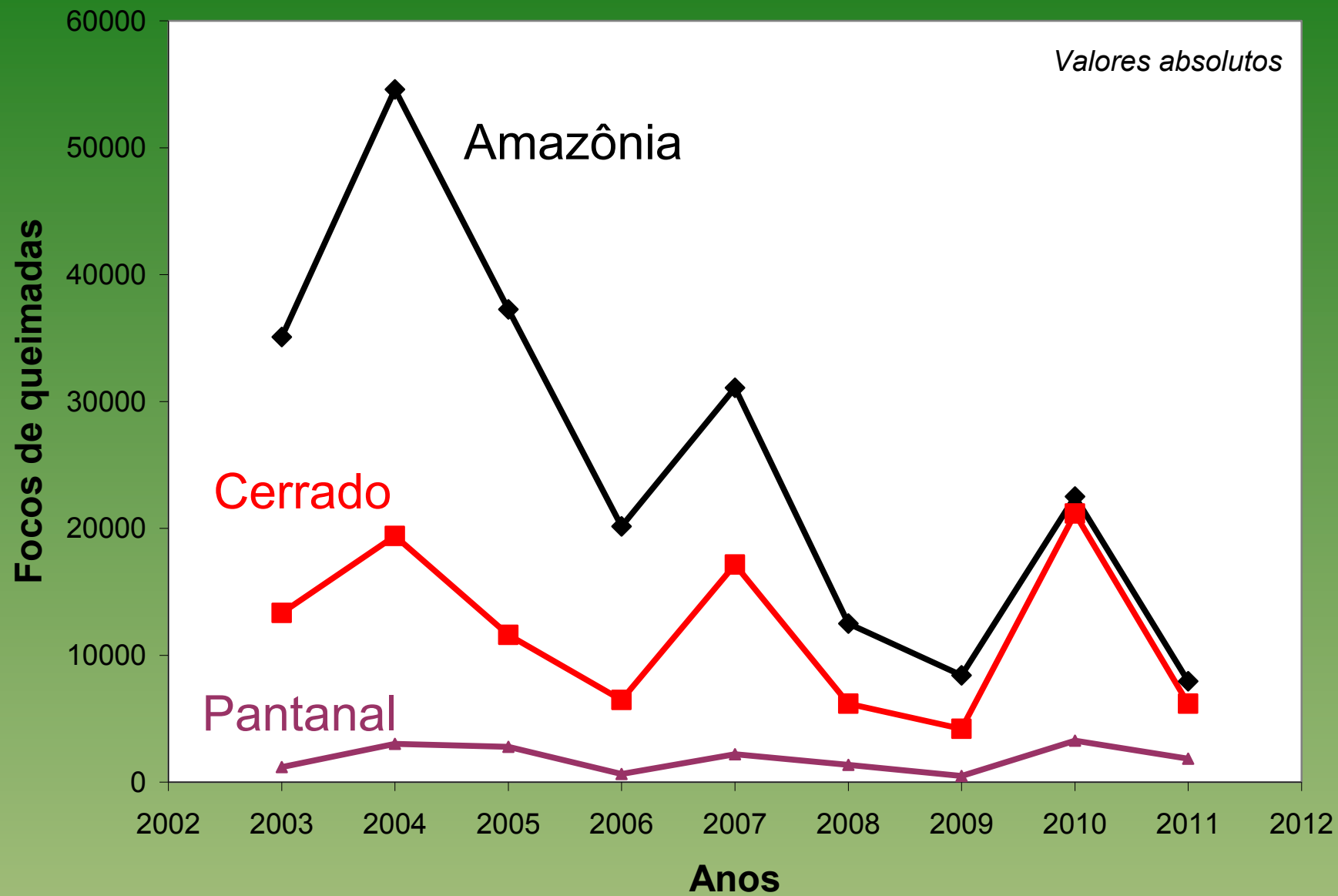
BC vs K⁺



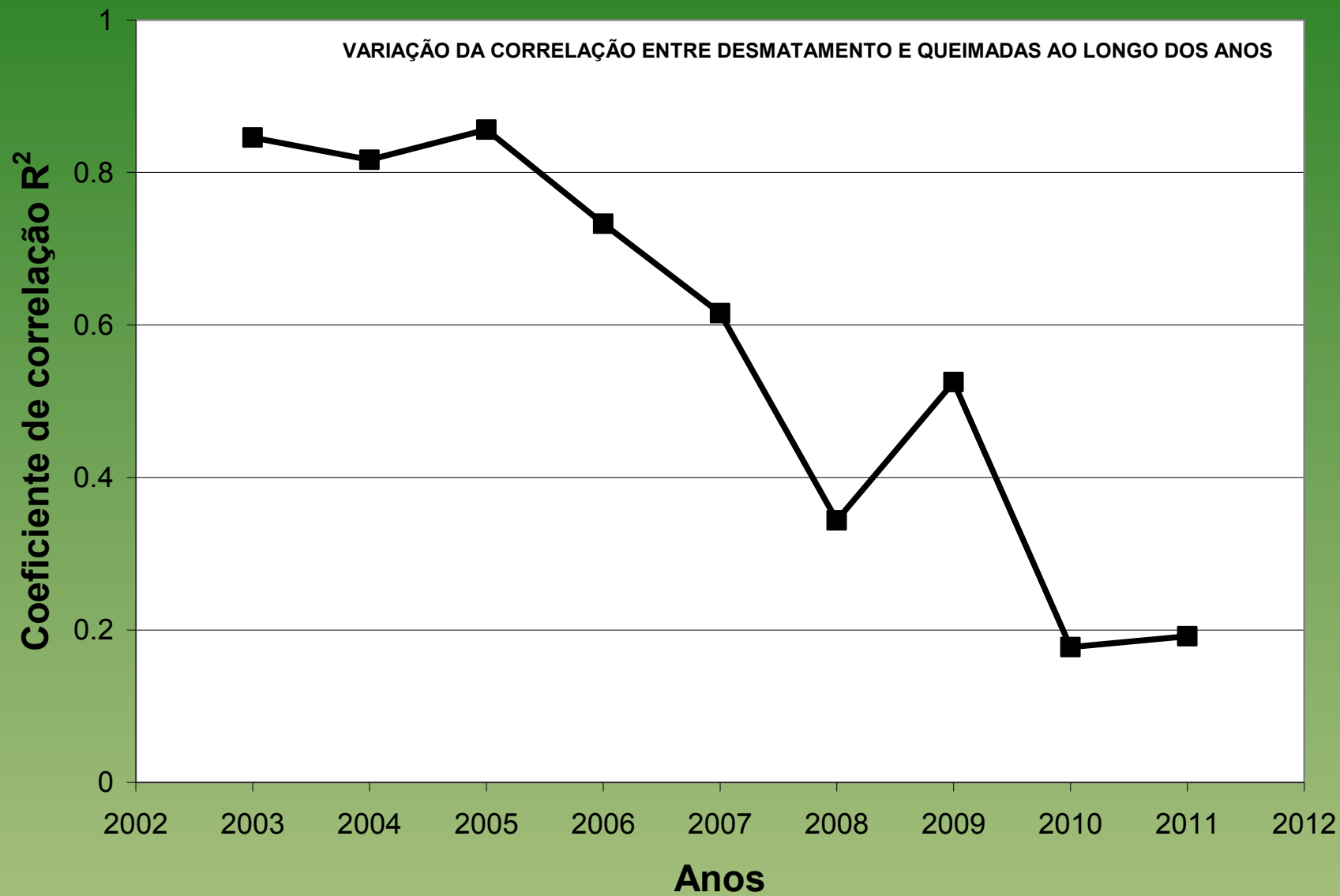
BC vs SO₄²⁻



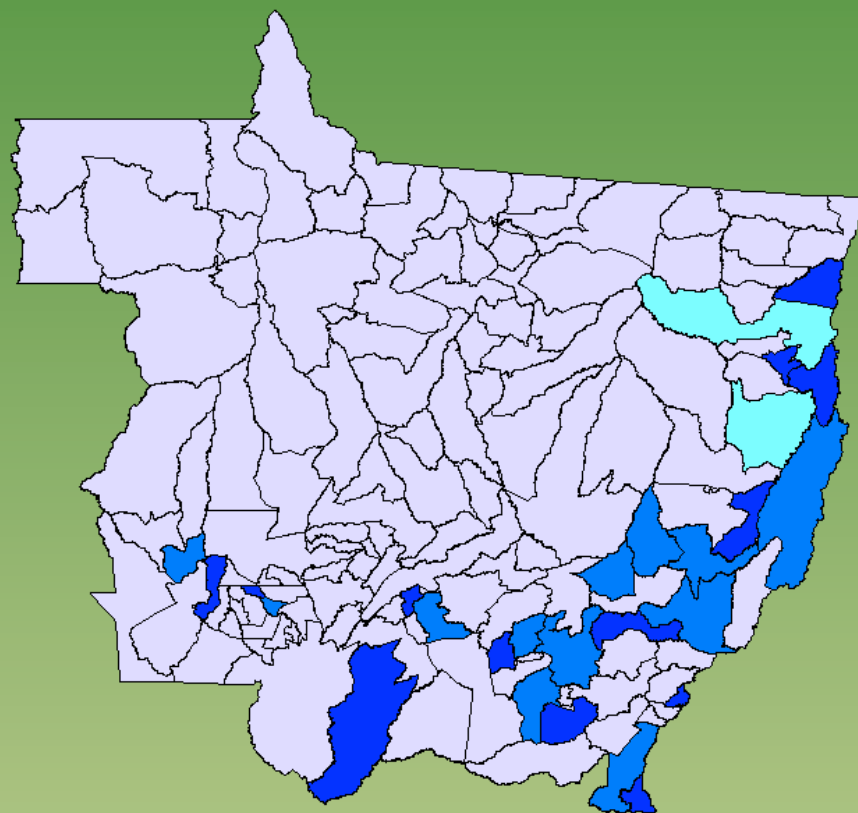
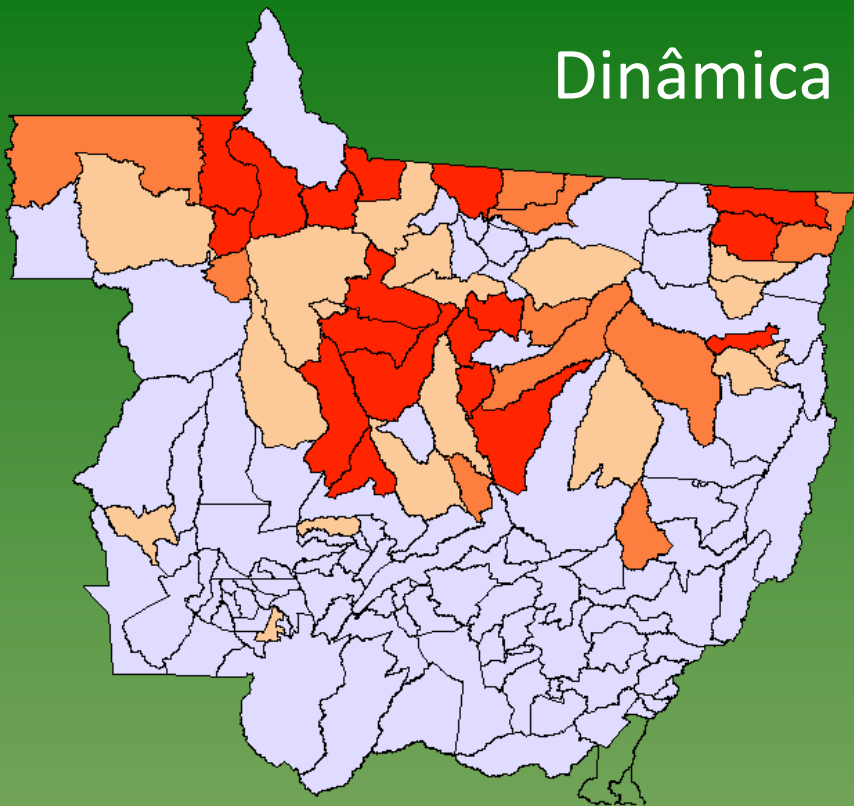
QUEIMADAS E BIOMAS



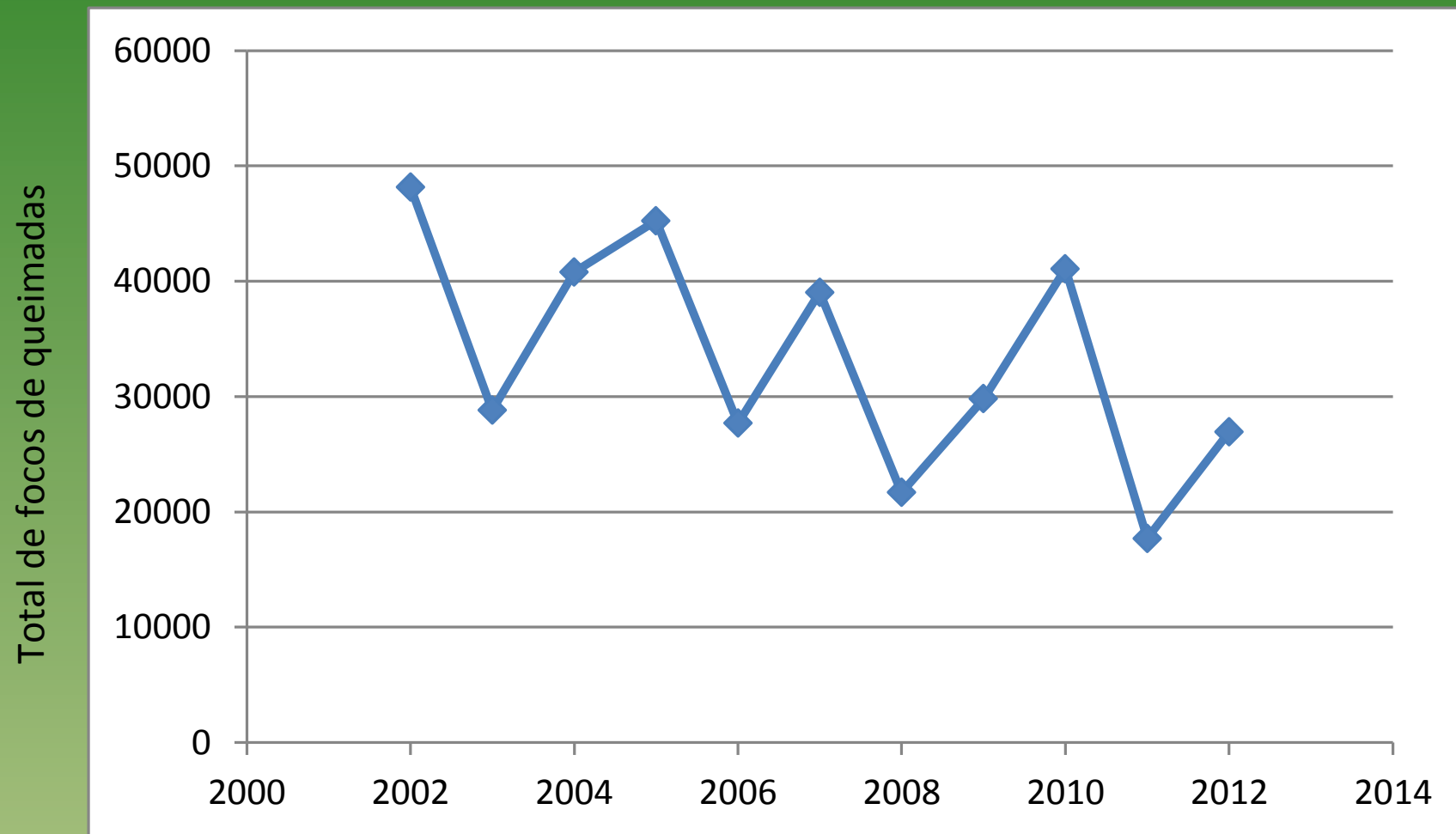
QUEIMADAS E DESMATAMENTO



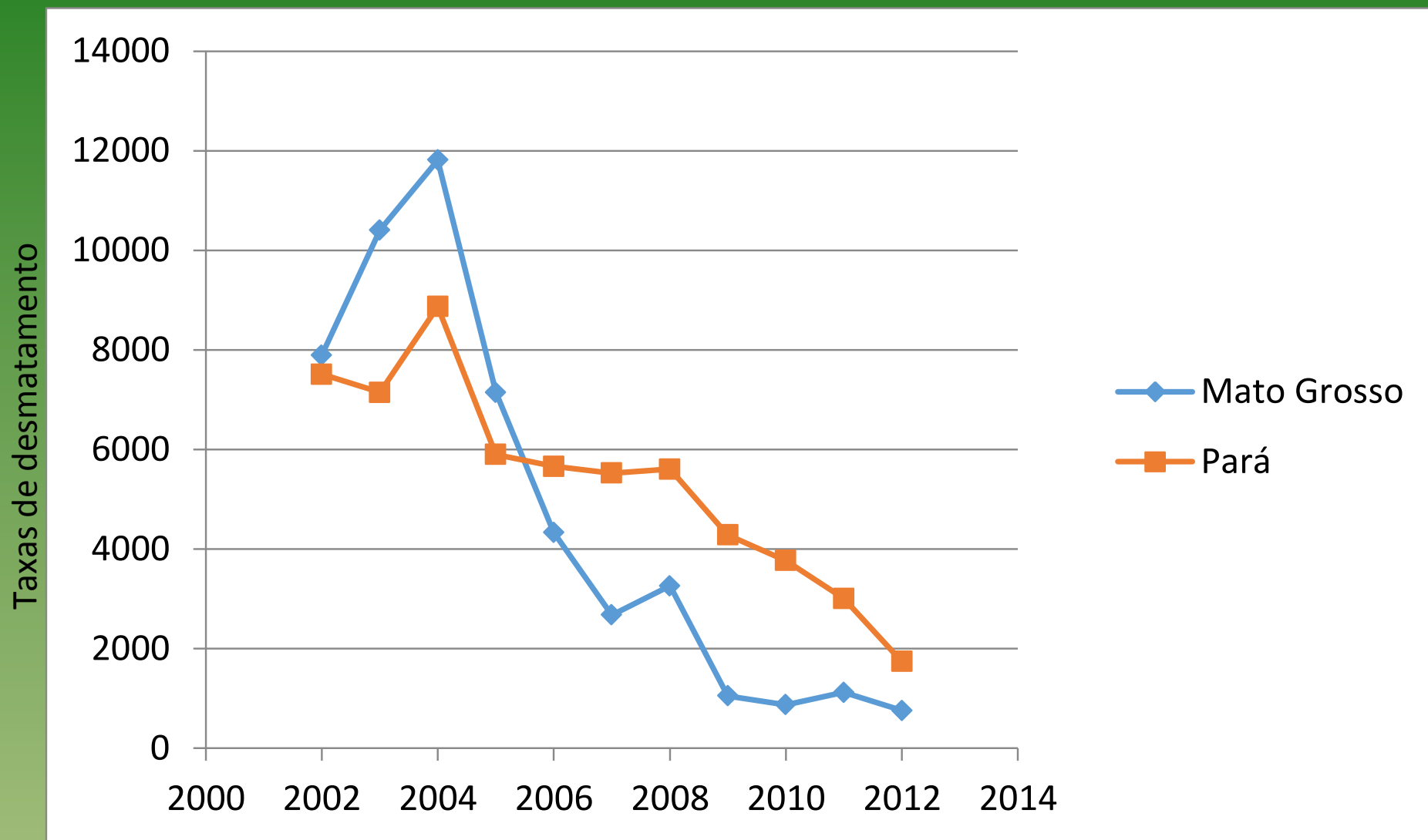
Dinâmica de queimadas no Mato Grosso



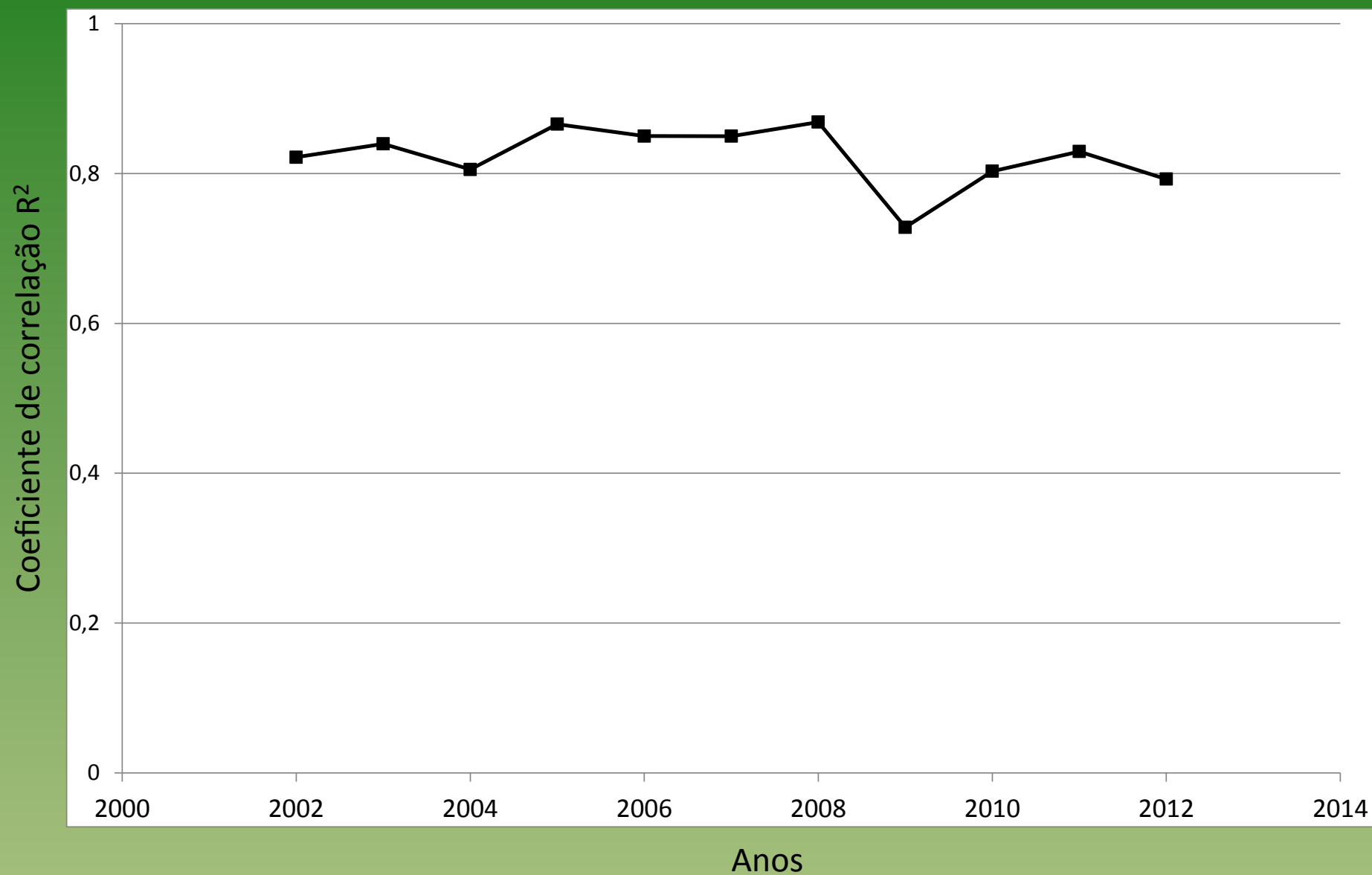
Queimadas no Pará (dados preliminares)



Taxas de desmatamento (dados oficiais INPE)



Correlação queimadas-desmatamento



ECONOMIA

DESMATAMENTO

POLÍTICAS
PÚBLICAS

IMPACTOS

QUEIMADAS

ASPECTOS
CULTURAIS

