



PROJECT 23 - SCENARIOS FOR EMISSIONS REDUCTIONS RELATED TO NATURAL GAS IN THE STATE OF SÃO PAULO

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Research Centre
for Gas Innovation

cleaner energy for a sustainable future

**V WORKSHOP INTERNO RCGI –
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Overview

- The scope of the project is to estimate/quantify current and future Greenhouse Gases (GHG) emissions in the state of São Paulo and estimate emissions reductions related to Natural Gas exploration, transportation and use, using energy planning tools, including CCS.



New additions

- The project will have two new additions to the team:
- Dr. Regis Rathmann
- Bruno Mendes Leite, IC

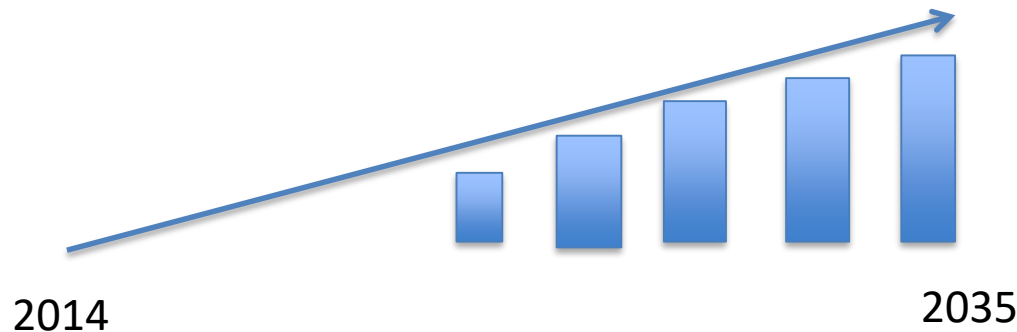
Modeling the state's energy system

Sectors

- Transport - Luz
- Agriculture - Pedro
- Industry - Ricardo
- Transformation - Pedro

Projections

- CCS technologies - Régis
- Gas technologies for each sector –
Luz/Ricardo/Pedro/Régis
- Service demands for each sector - Pedro



Current status

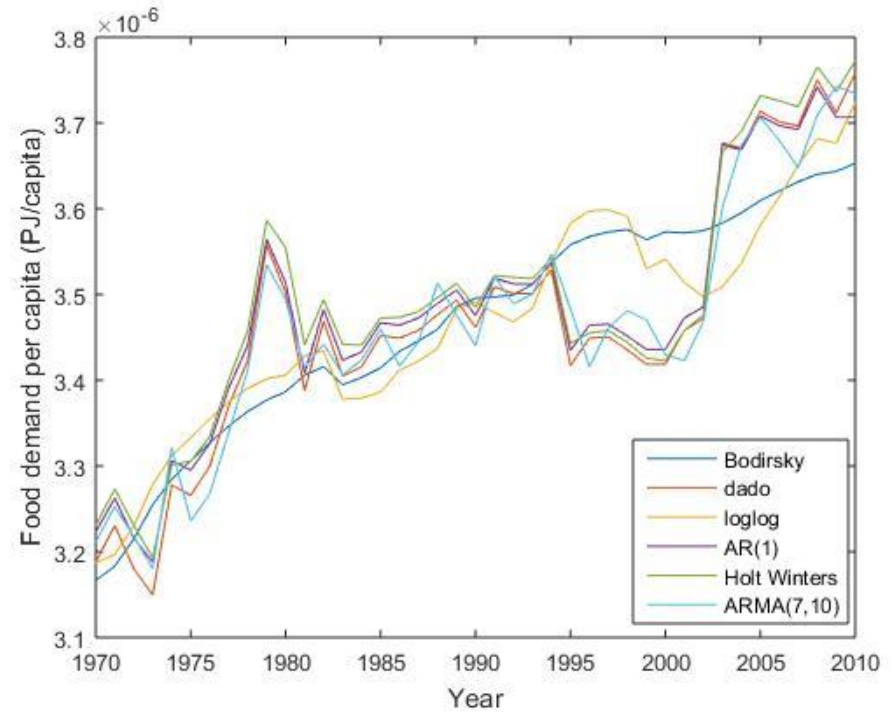
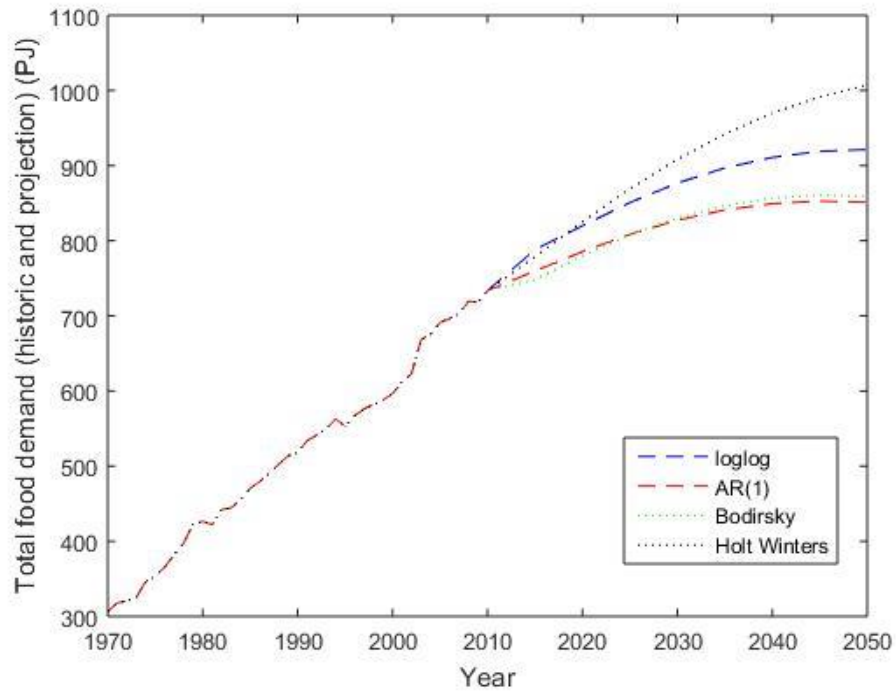
Data on current technological state of :

- Industrial sector
- Transformation sector
- Transport sector

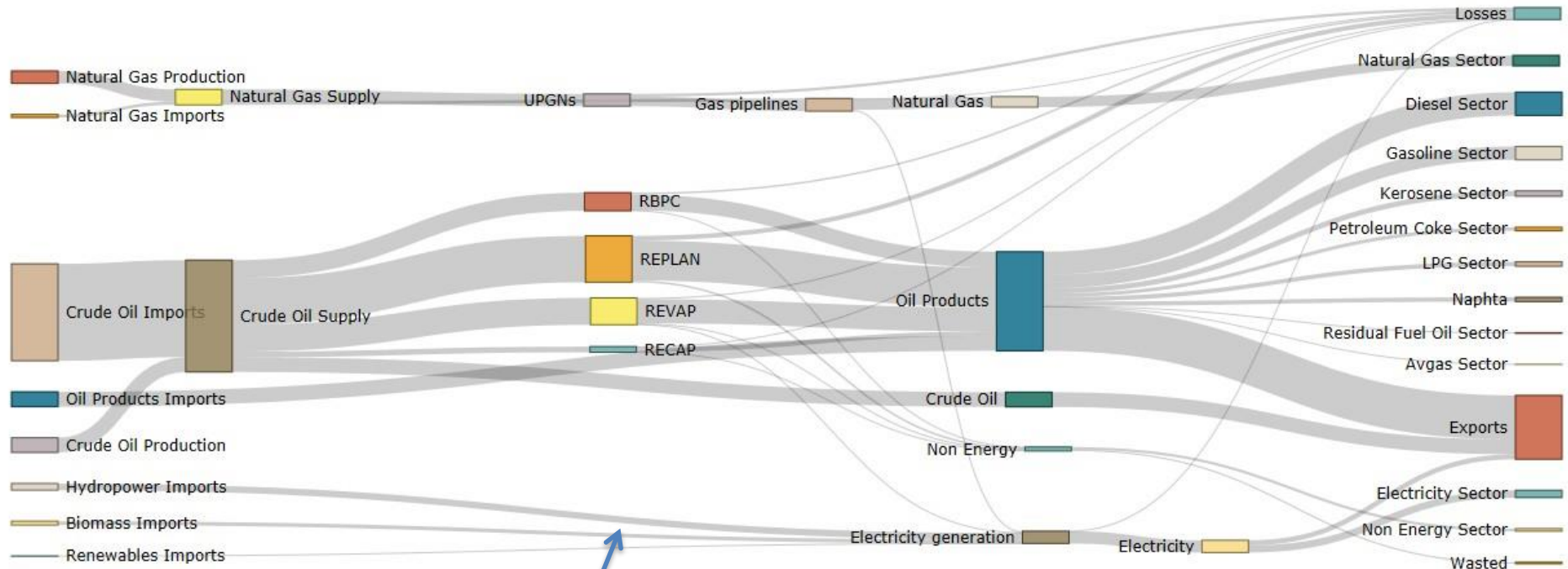
Projections of technological options available for emissions reductions.

Current status

Demand projections



Next steps



Characterize future transformation sector in the modeling platform

Characterize demand in the modeling platform

Next steps

- First results will be done using LEAP (modeling platform), starting with transport sector – Interaction with project 25.
- Greater interaction with SGI, and moving to MUSE in the next year.
- Project 23 will enter MUSE modeling team as well as use the model for scenario analysis.



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