

AIM/Trend Model: India Results

Rajesh Nair
Indian Institute of Management
Ahmedabad, India

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Structure of the Presentation

- A brief introduction to the model
- The AIM/Trend output for India
- Conclusion



The AIM/Trend Model

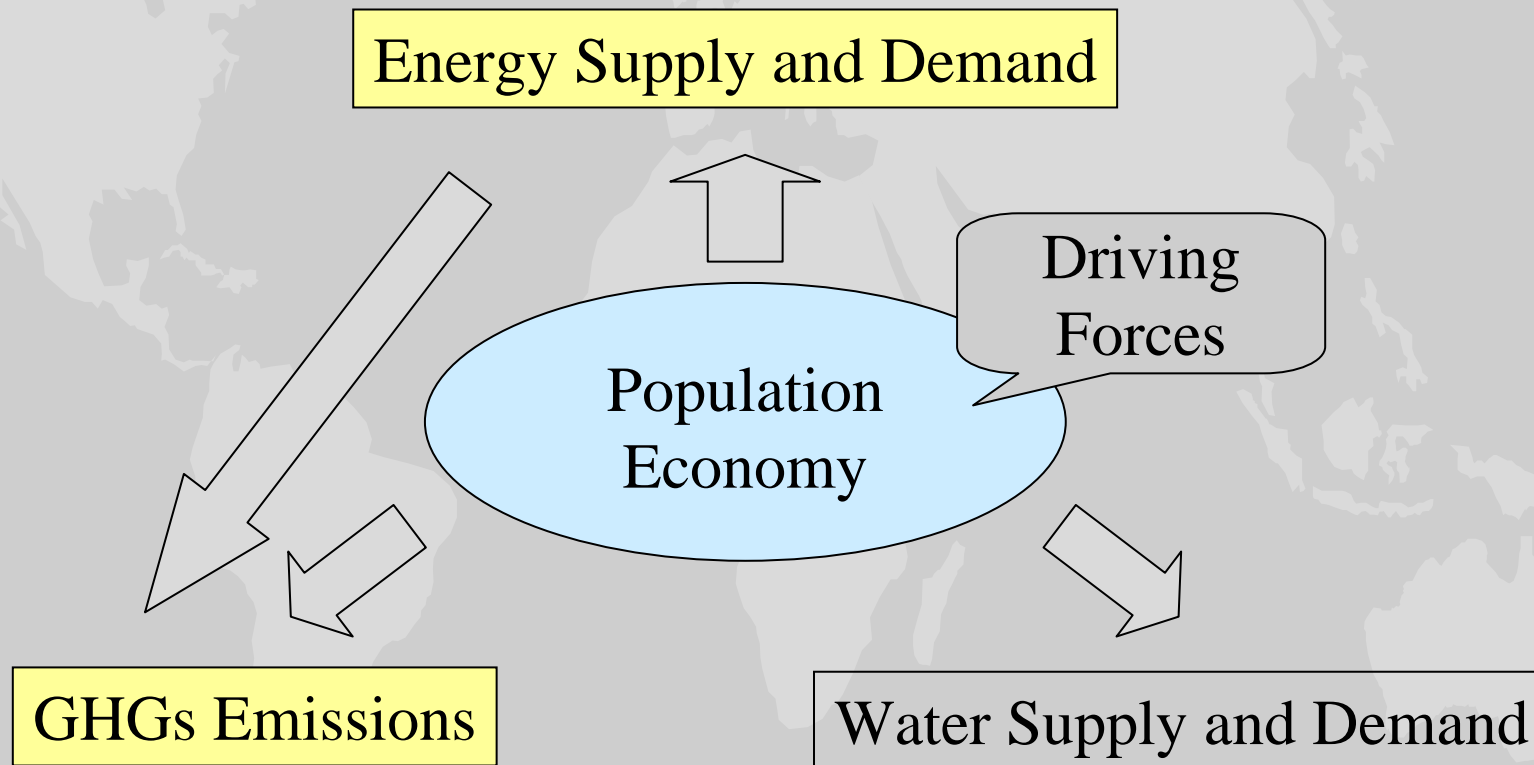


Framework

- Target year: 2032 (“Rio+10”+30)
- Region : Each Asia-Pacific country
- Item : Economy (GDP, GDP share ...)
Energy (demand, supply)
Environment (GHGs, water ...)
- Type : Regression model
- Language: Microsoft Excel Macro, VBA



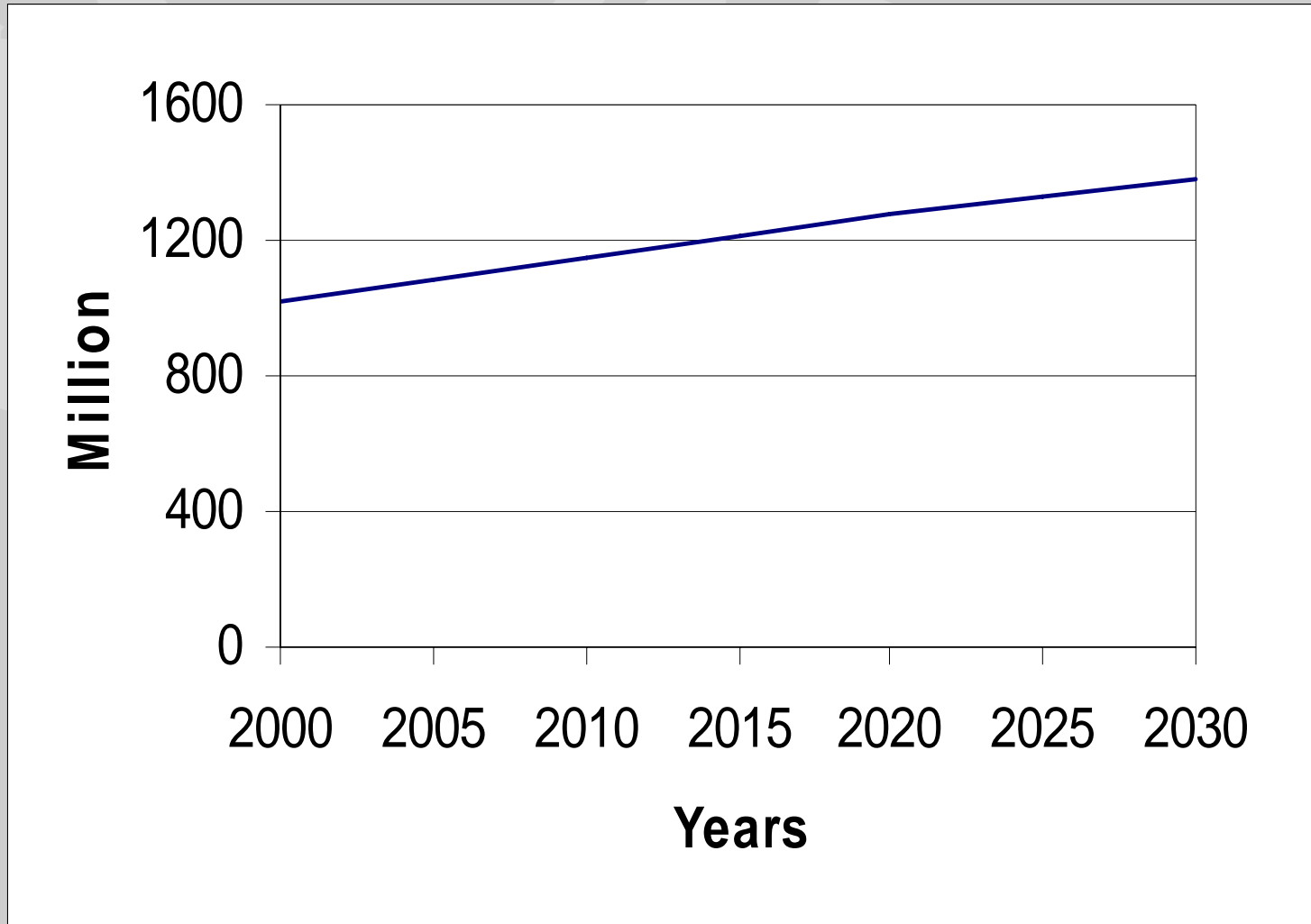
Structure of AIM/Trend Model



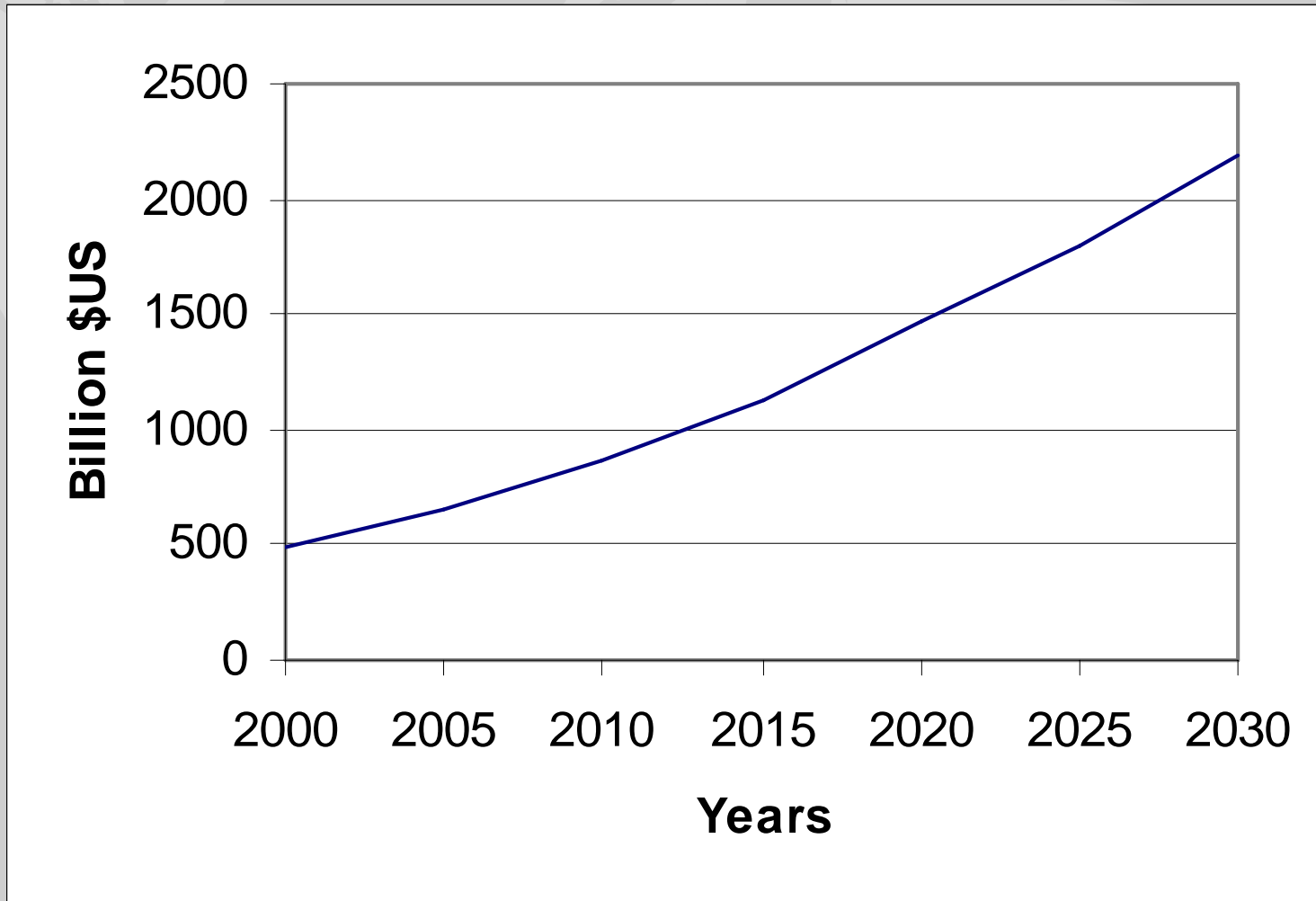
Driving Forces



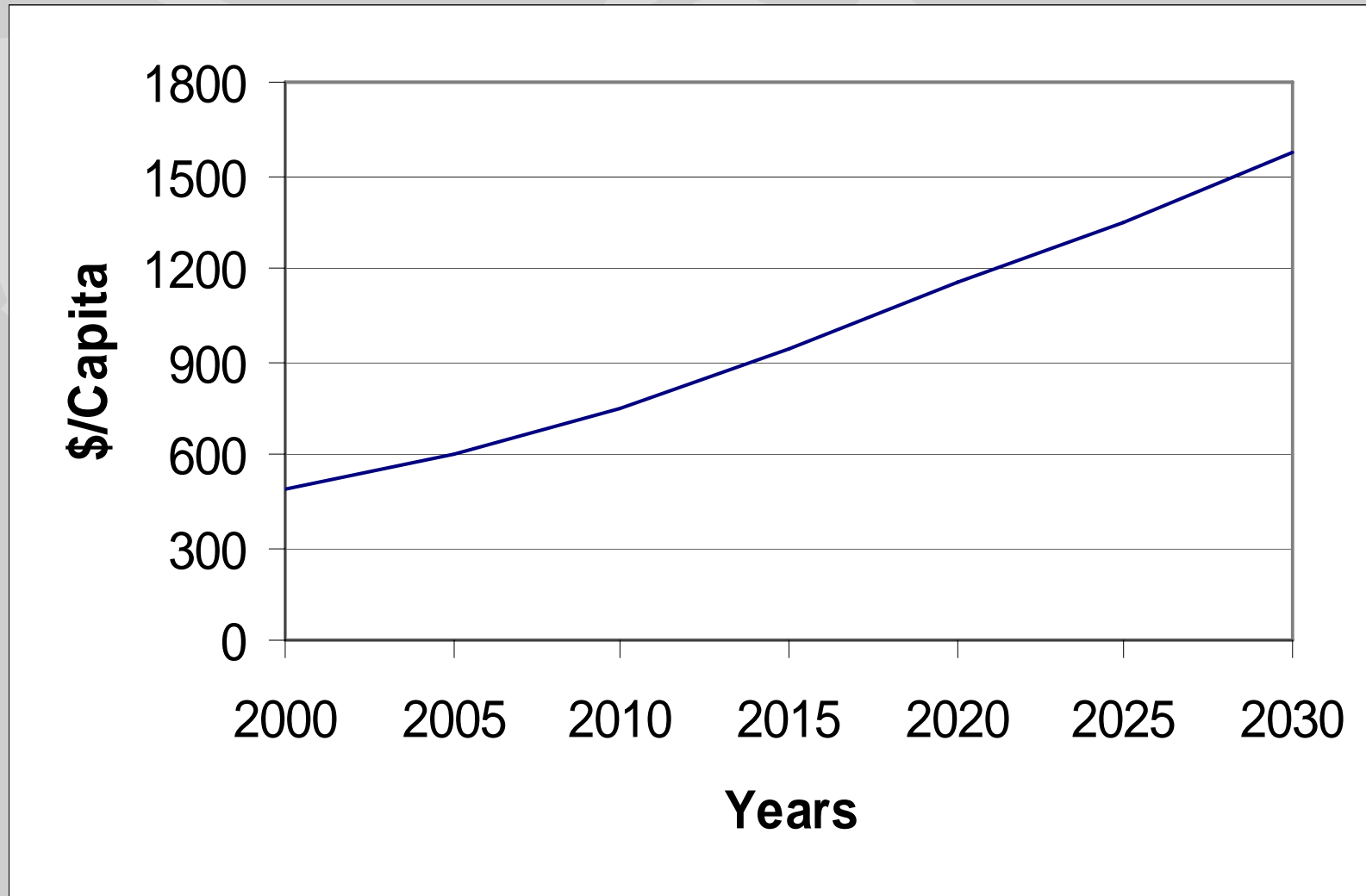
India-Population



India-GDP



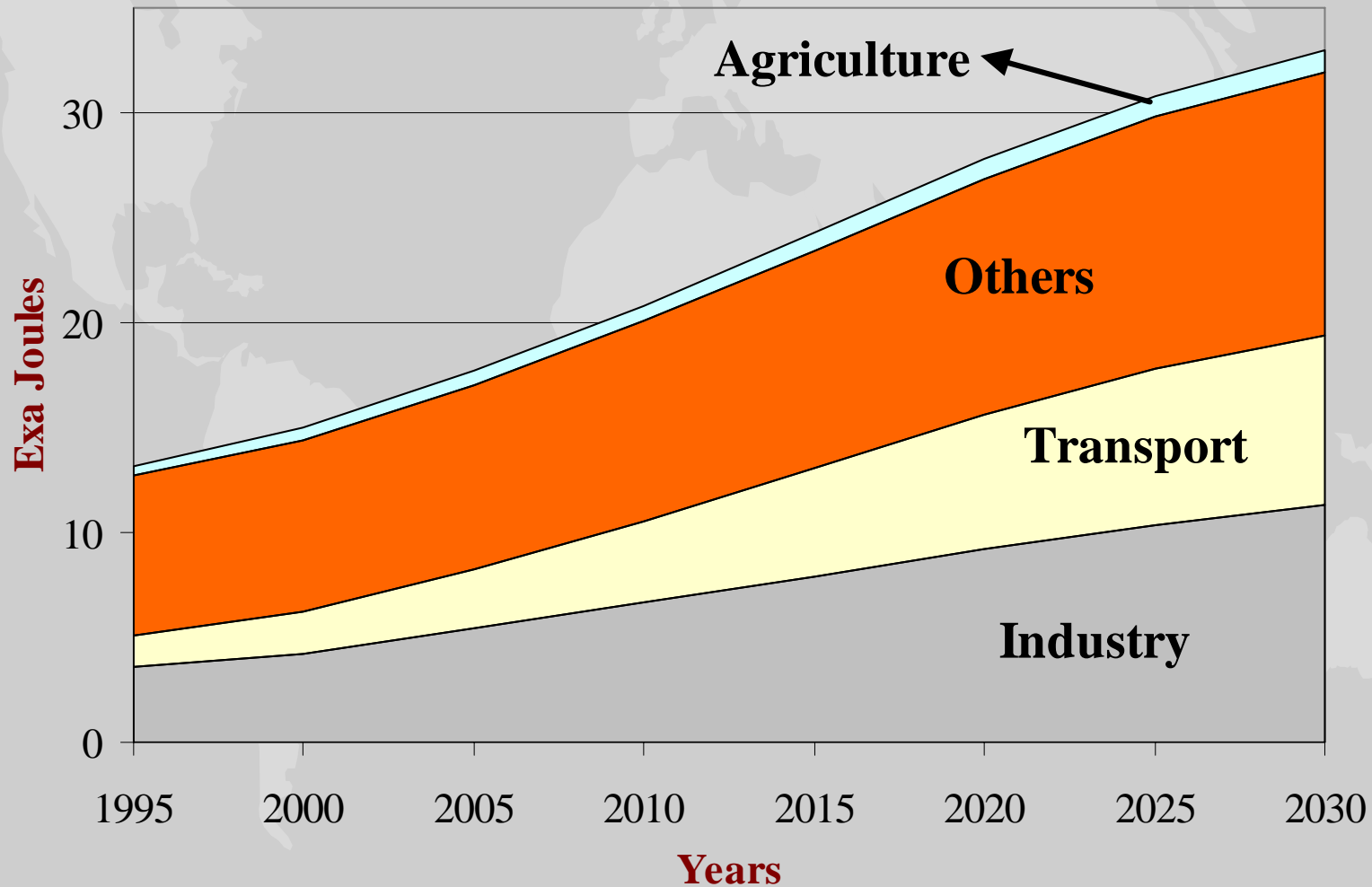
India-GDP per Capita



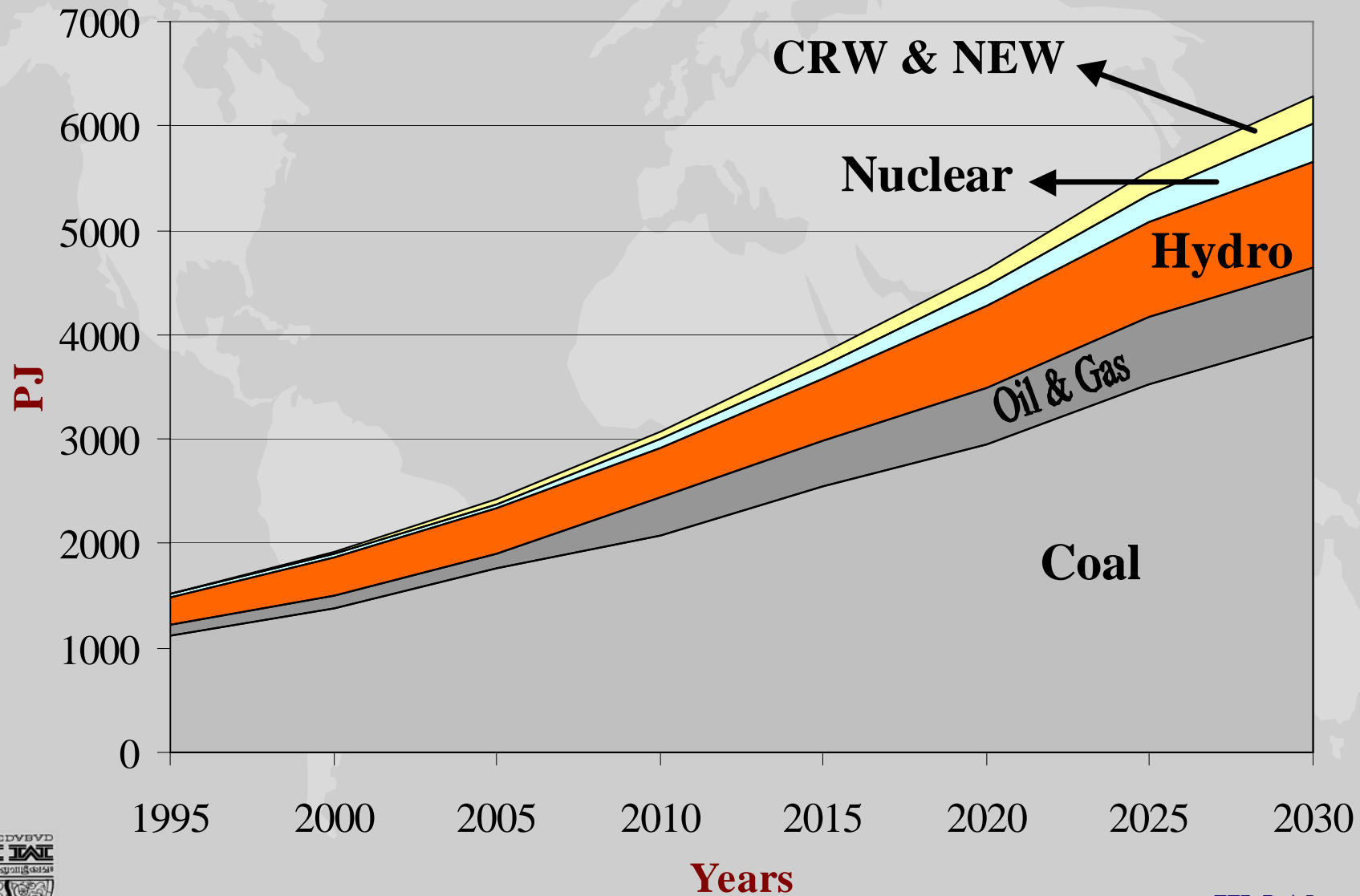
India Results



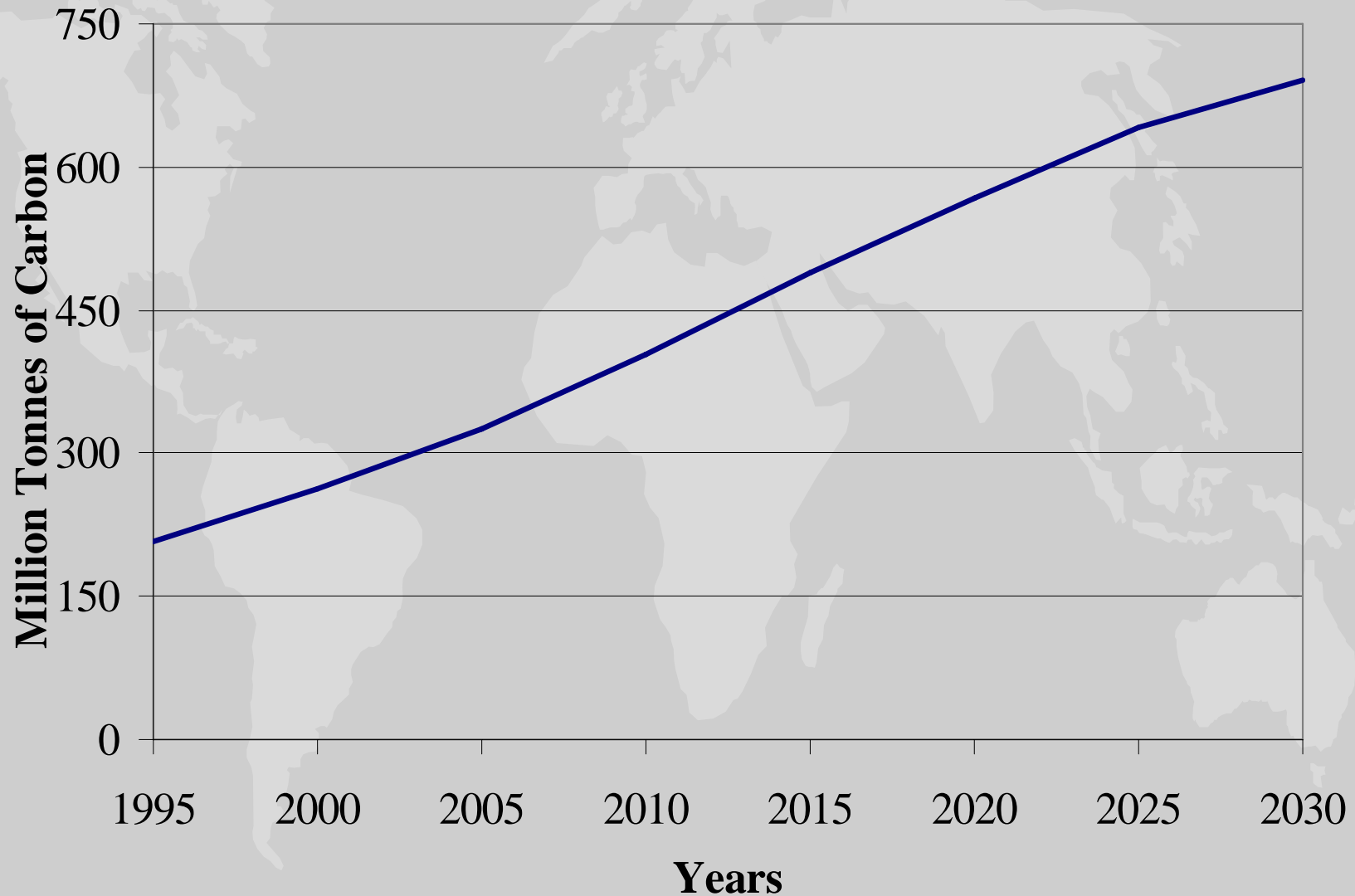
Energy Consumption by Demand Sector



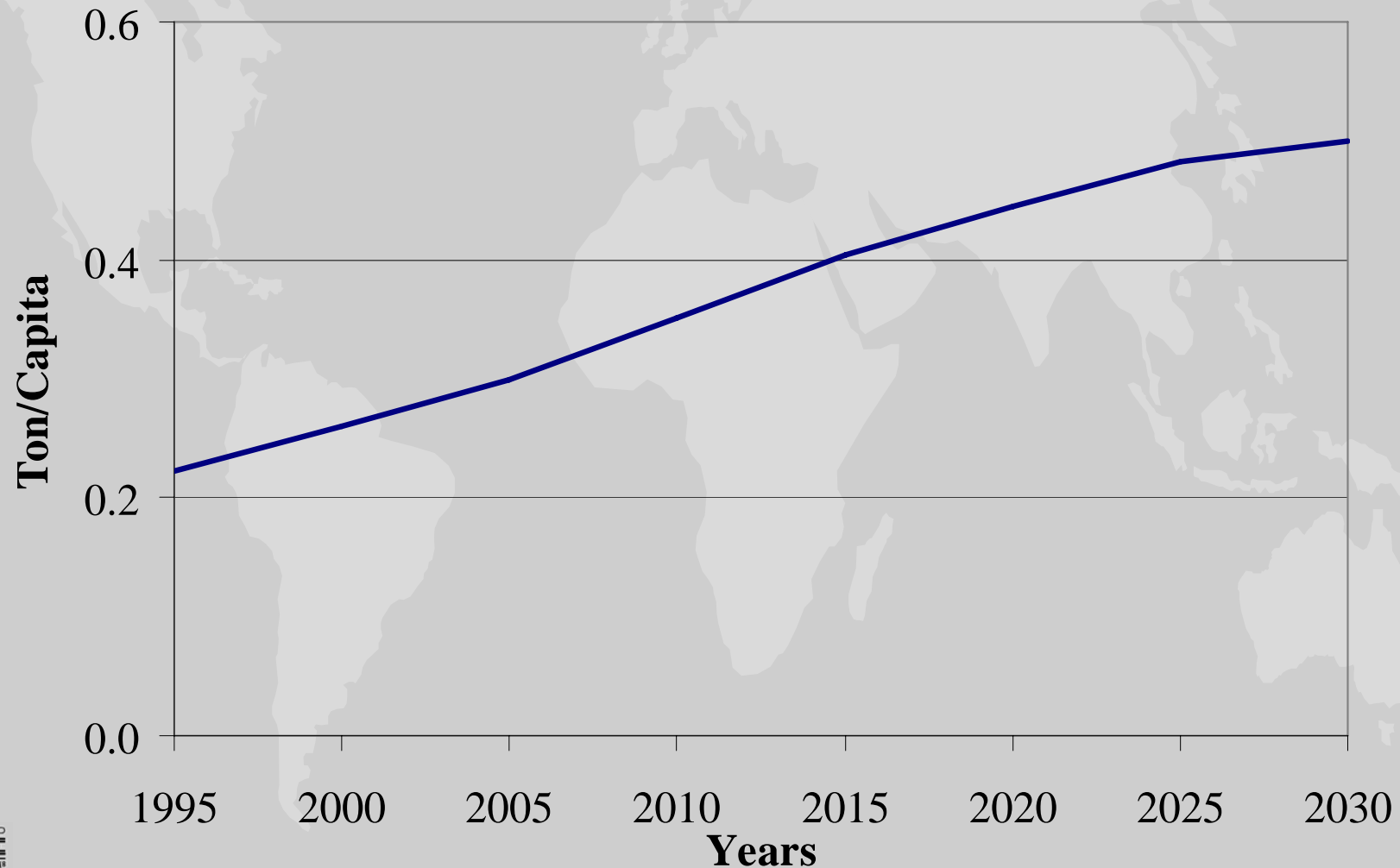
India- Electricity Generation



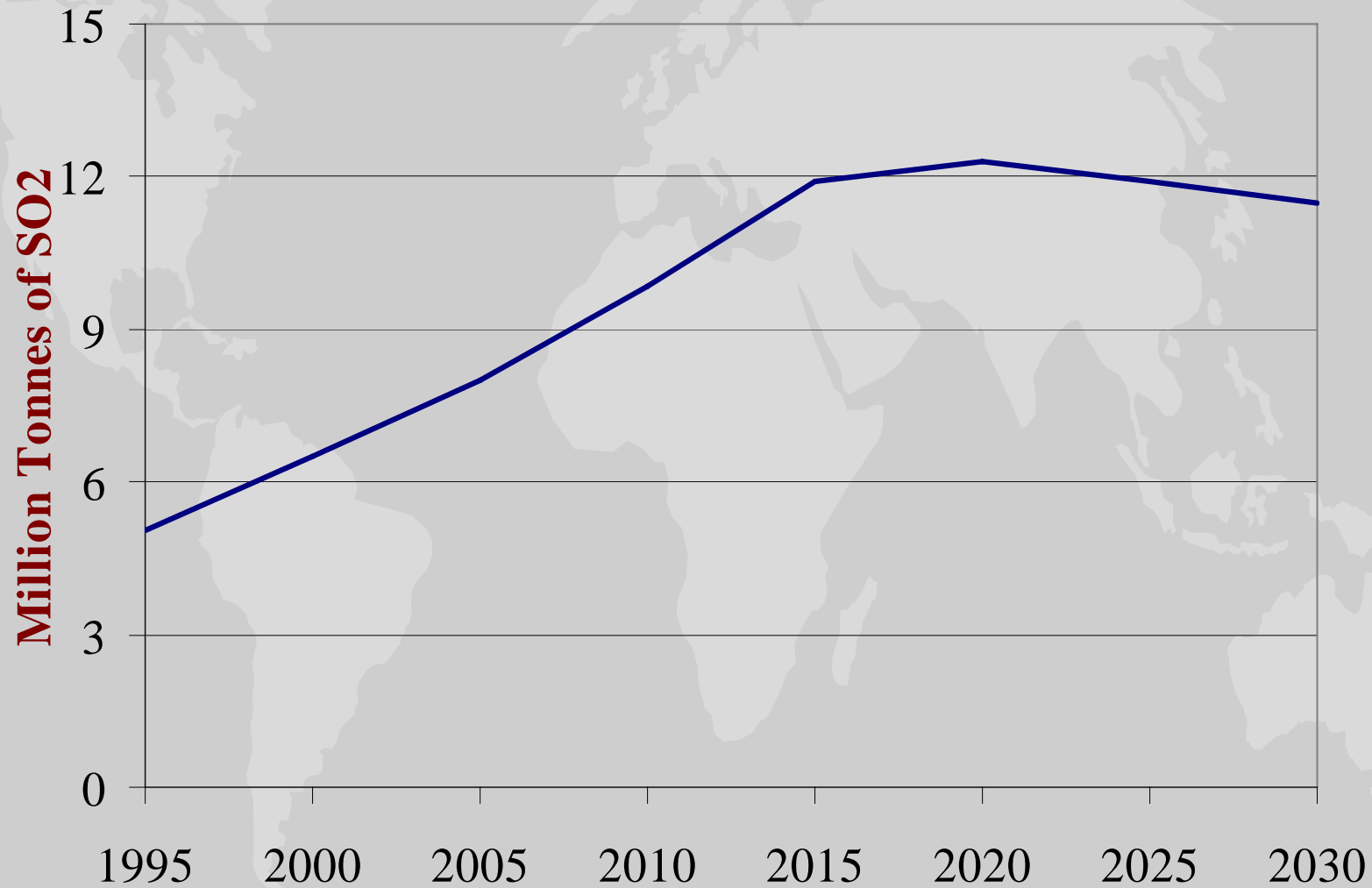
India-Carbon Emissions



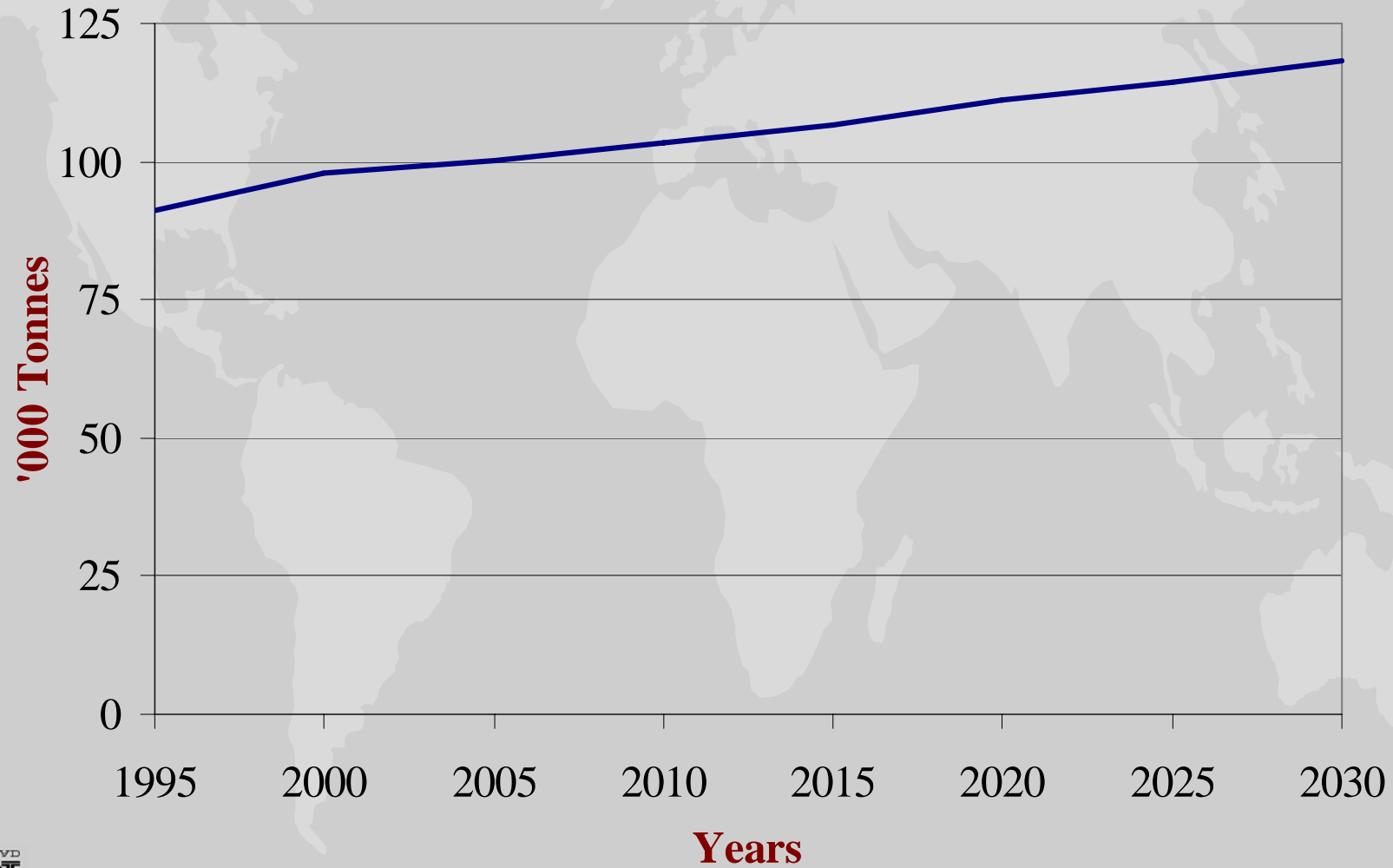
India- Carbon per Capita Emissions



India - SO₂ Emissions



India-N₂O Emissions



Conclusion

- The model follows a simple methodology
- User can develop desired scenarios
- Model for policy analysis: e.g.
 - Coal is expected to be the main stay for power generation
 - Rising carbon emissions, but per capita emissions below developed country levels
- AIM/Trend is a suitable tool for future energy-environment analysis

