

Recent Modeling in China for Energy and Environment

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[ERI, China](#)

Recent modeling study in China for Climate change policies Assessment

**Tsinghua-INET (Prof.Zhang Aling): modeling
development by integration**

**CDRC model (Prof.Li Shantong): Multi-regional
CGE model development**

**MARKAL model(Tsinghua&ERI): Multi-regional
Model development(in proposal)**

Tsinghua-CGE: for China and Beijing

ERI-LEAP: Scenario for energy in China

Recent modeling study in China for Climate change policies Assessment

IPAC Model

**IPAC-e: energy and emission scenario,
CDM assessment**

Multi-Gas Mitigation(EMF-21)

**IPAC-AIM/Country: change base year from
1990 to 2000**

**IPAC-AIM/Local: finish first version,
Beijing model**

IPAC-SGM: CDM assessment and WTO assessment

**IPAC-AIM/Material: develop Chinese
model, finish by March 2003**

IPAC-Air: framework design, input data

Application of IPAC

“Tenth Five Year” Key research Project on Climate Change

Beijing Clean Energy Future

CDM Assessment in China

Non-CO2 Emission Mitigation Cost, EMF-21 study

China Energy and Emission Scenario

APEIS/RISPO

Development First

Policy Options for Urban Transport and Power Generation

Contribute to:

National Report on Climate Change

National Report on Climate and Environment Science

Climate and Sustainable Development

CDM Assessment in China, World Bank Publication

Next Step of IPAC

Including 2003 data

Using AIM/Country for China Energy Scenario Forum

Other pollutant: PM10, water pollution, land damage

More LPS information

IPAC-AIM/Beijing

IPAC-AIM/Chongqing

GIS information

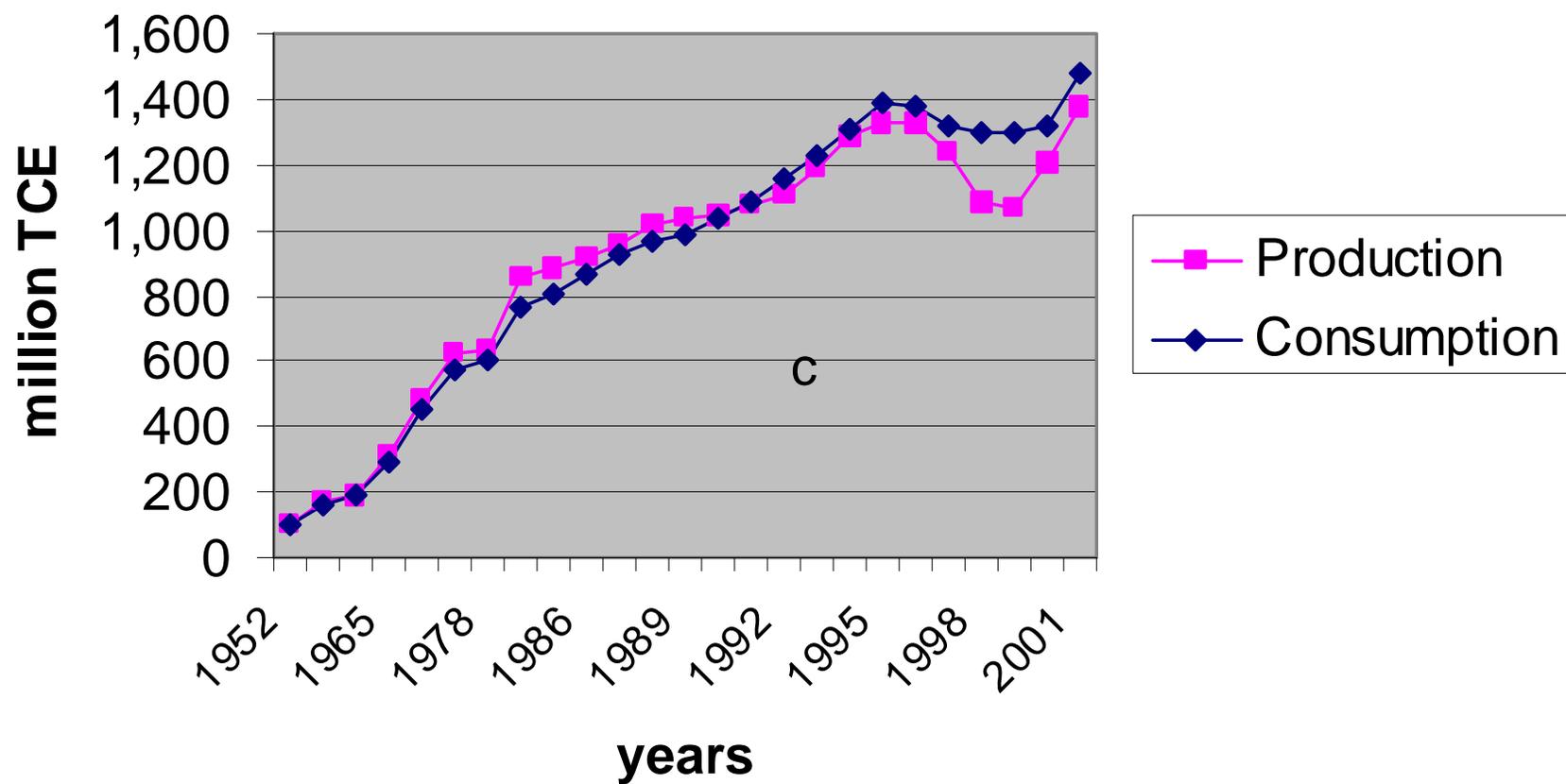
Linked with AIM/Air

IPAC-AIM/Material-China

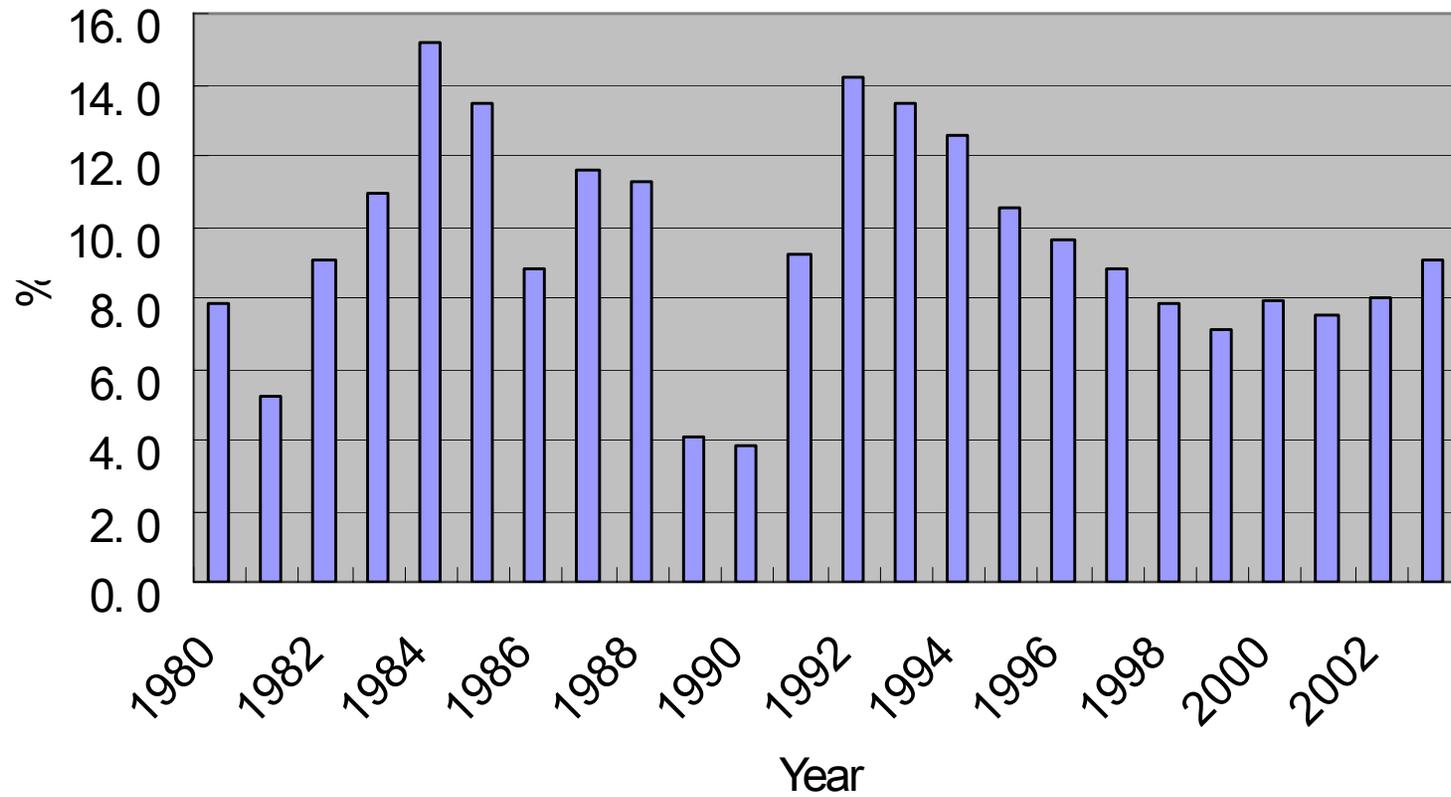
IPAC-AIM/Multi-regional Model

IPAC-SGM: Biomass

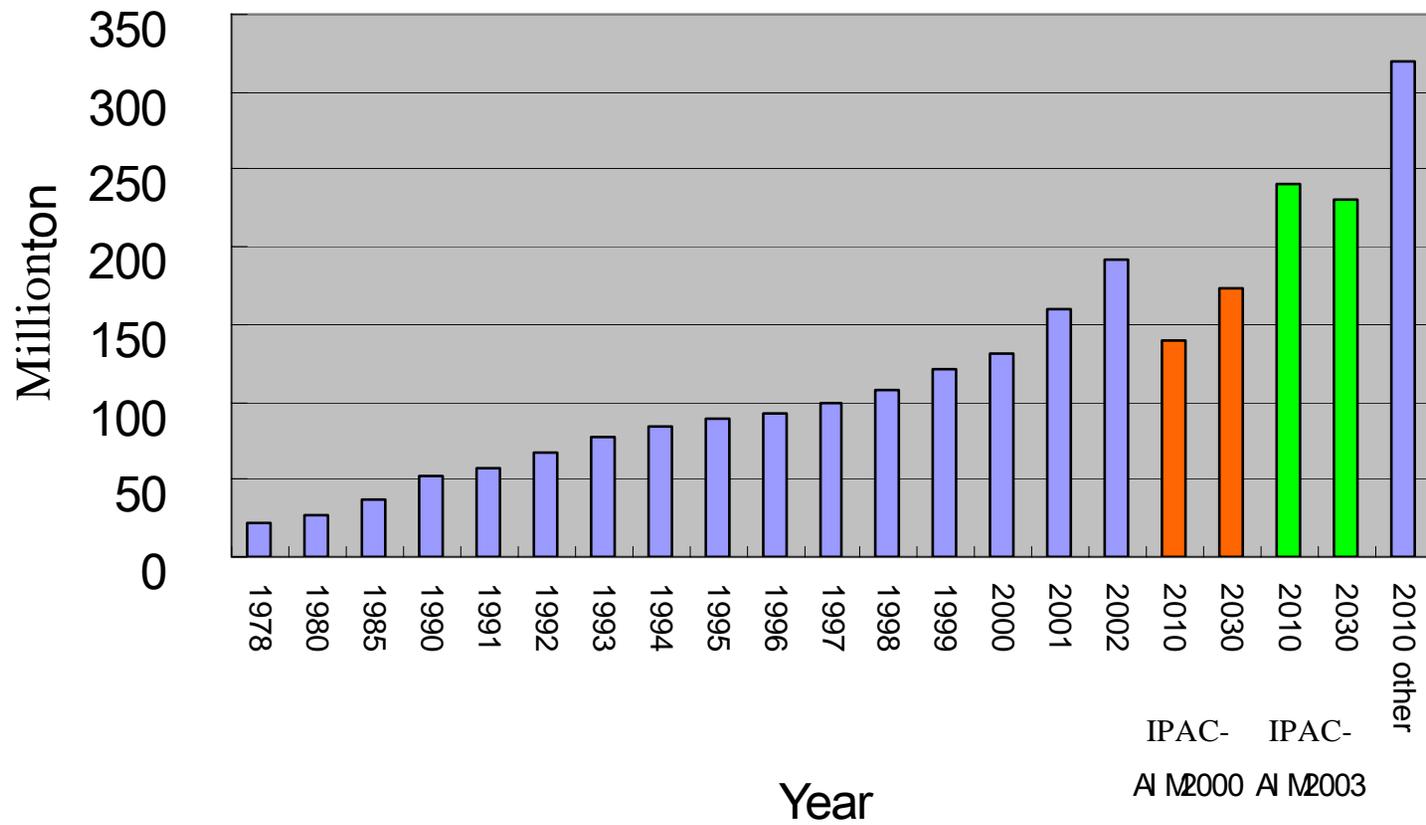
Energy Production and Consumption in China



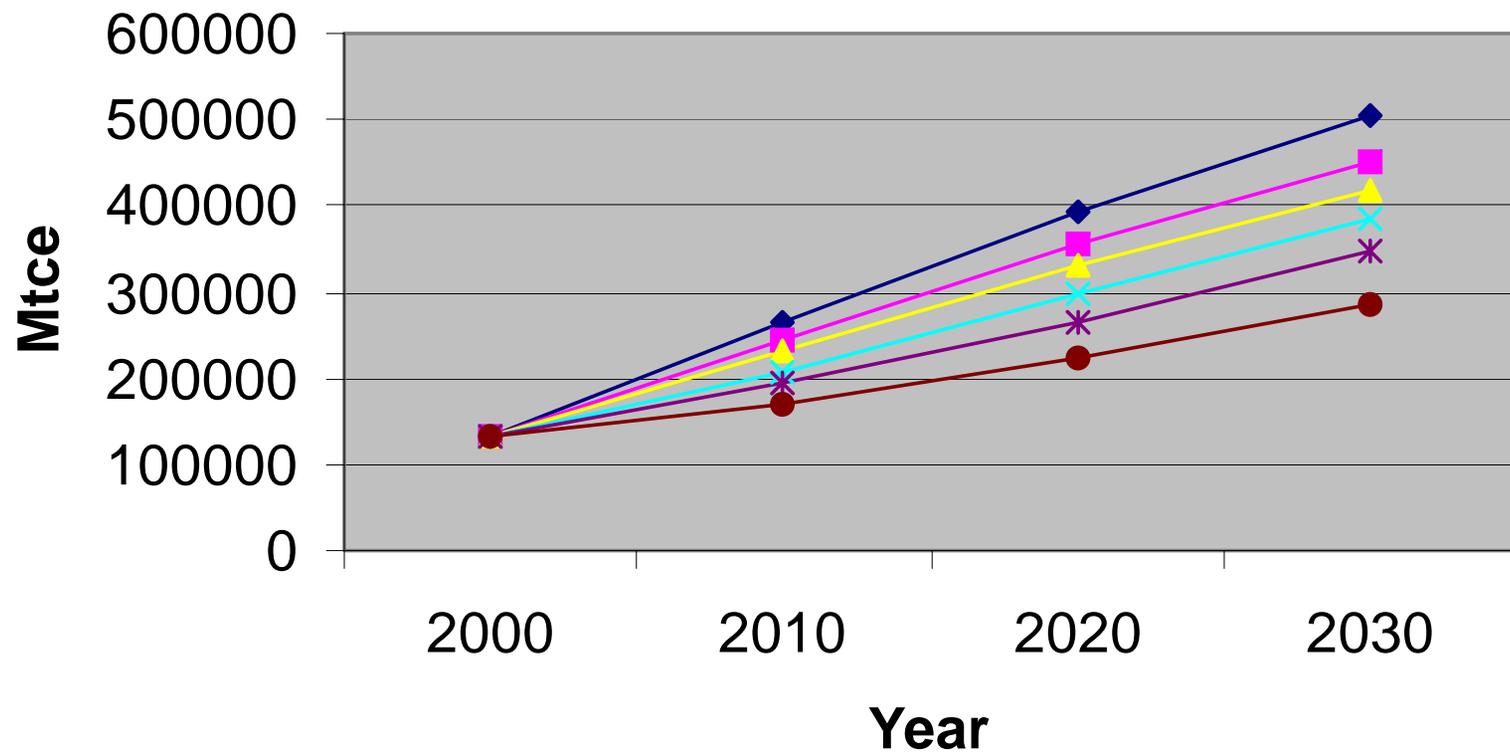
GDP Growth Rate in China



Steel output in China



Primary Energy Demand Scenarios



Driving Force and Technology

Future scenarios for energy intensive products

Service demand

I/O table in 2010 and 2020

Technology change