



Statistics Canada  
[www.statcan.gc.ca](http://www.statcan.gc.ca)

# The Scope of Energy Statistics in Canada

International Workshop on  
Energy Statistics  
Aguascalientes, Mexico



Statistics  
Canada

Statistique  
Canada

Canada

# Legal Framework



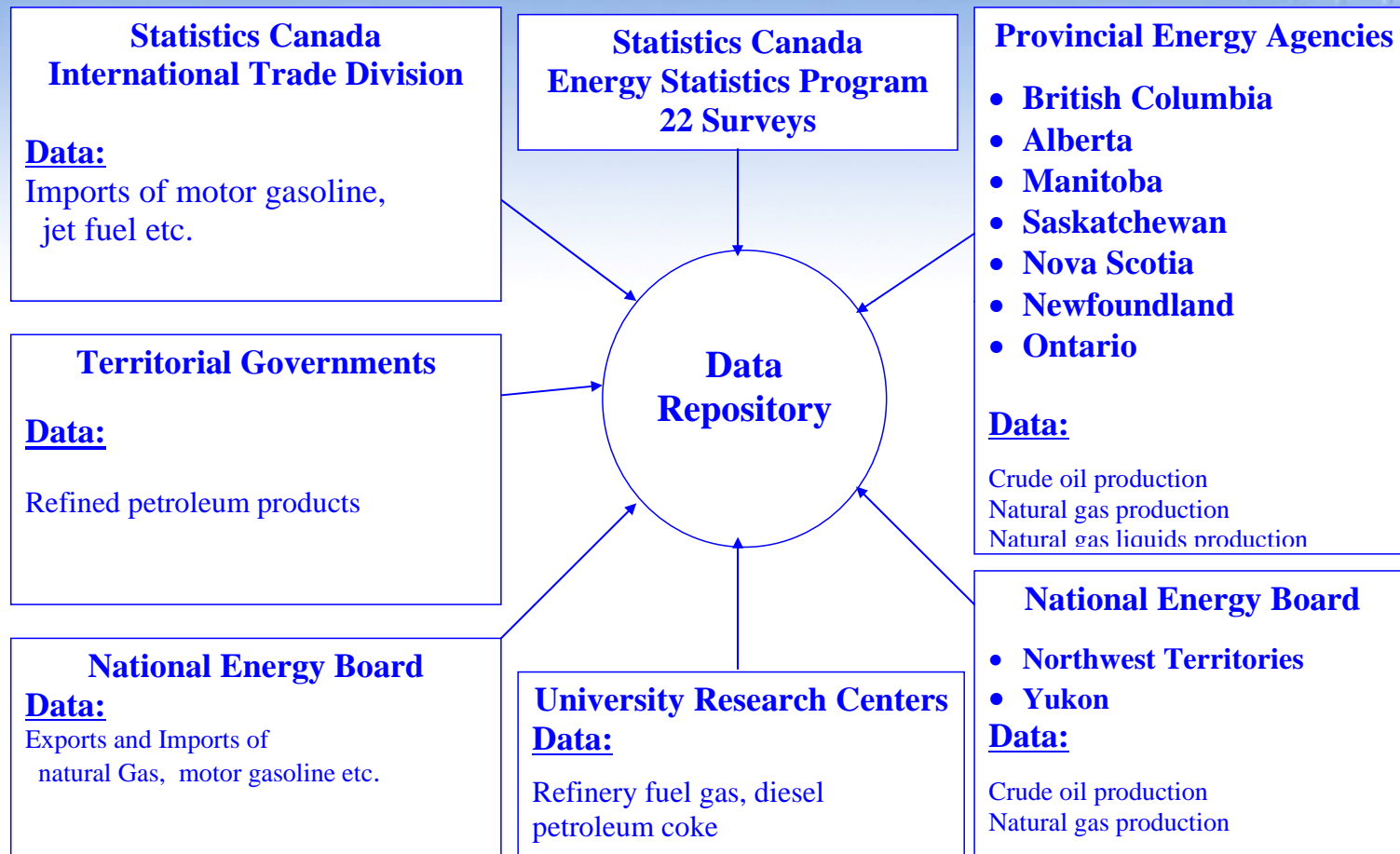
- **Statistics Act**
- **Mandate of Statistics Canada**
  - To collect, compile, analyze, abstract and publish statistical information
  - To collaborate with other government departments
  - To take Censuses of Population and Agriculture
  - To avoid duplication of collection
  - To promote an integrated system of national statistics
- **Authority to conduct both mandatory and voluntary surveys**

# Current Energy Statistics Program



- 22 surveys: monthly, quarterly and annual
- Data gathered directly from energy respondents, or from administrative data sources
- Types of information collected:
  - Supply data: volumes of production, distribution and imports, by energy type
  - Demand data: volumes of consumption and disposition
  - Financial data
  - Technical information

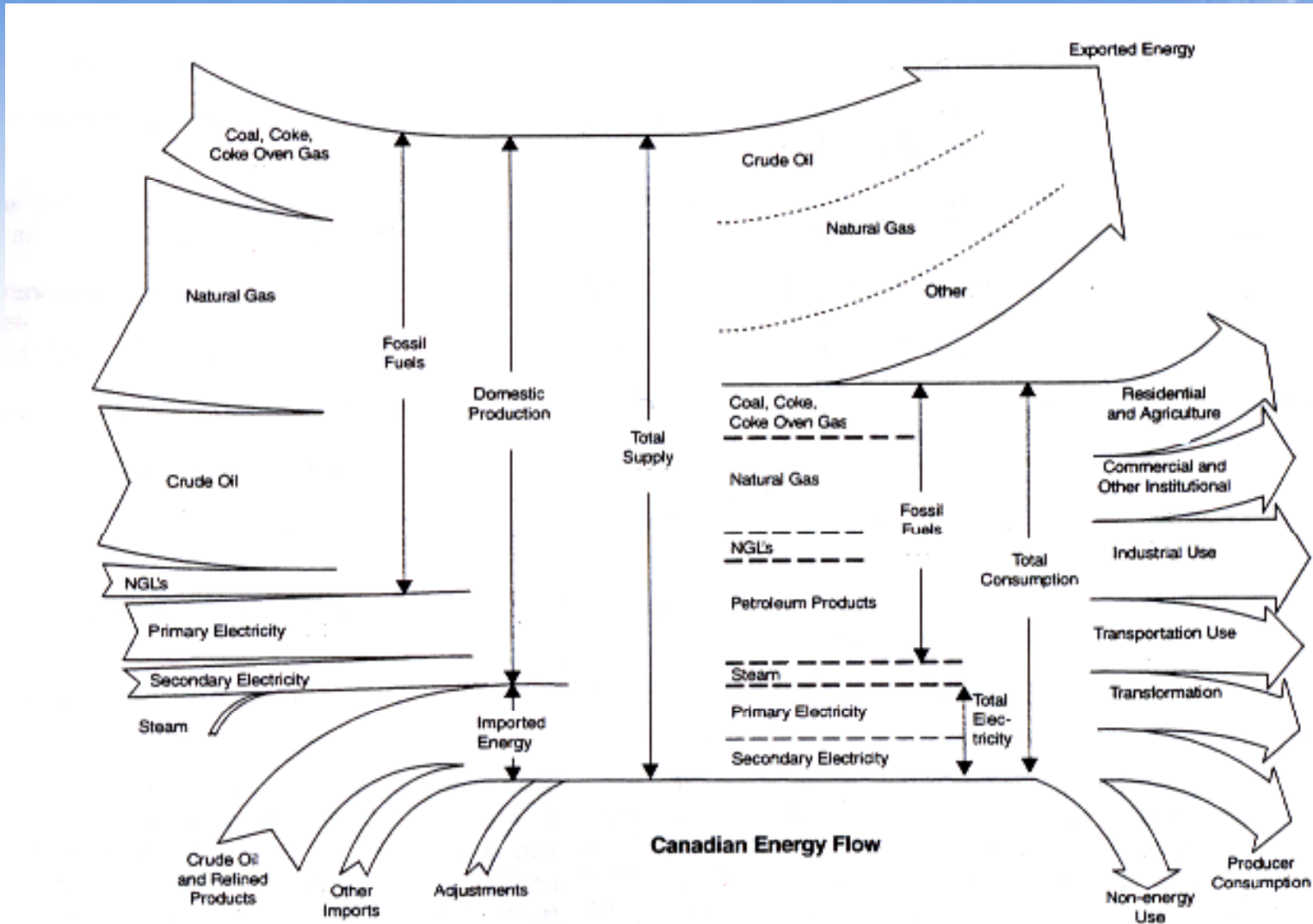
# Energy Statistics Data Sources



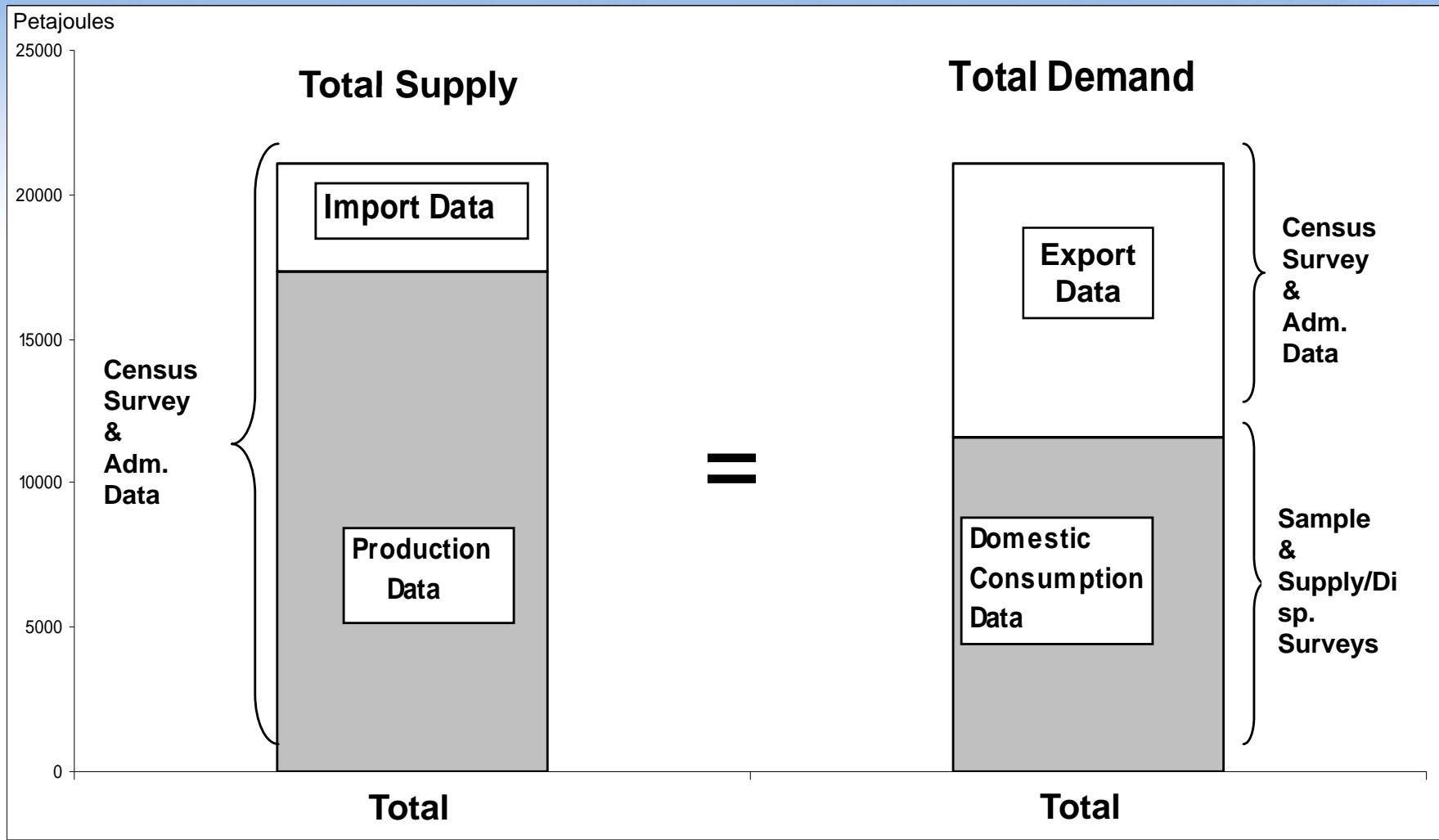
# Energy Forms

- Crude oil
- Natural gas
- Natural gas liquids
- Electricity
- Coal
- Coke
- Refined petroleum products
- Wood and wood waste

# Canadian Energy Flow

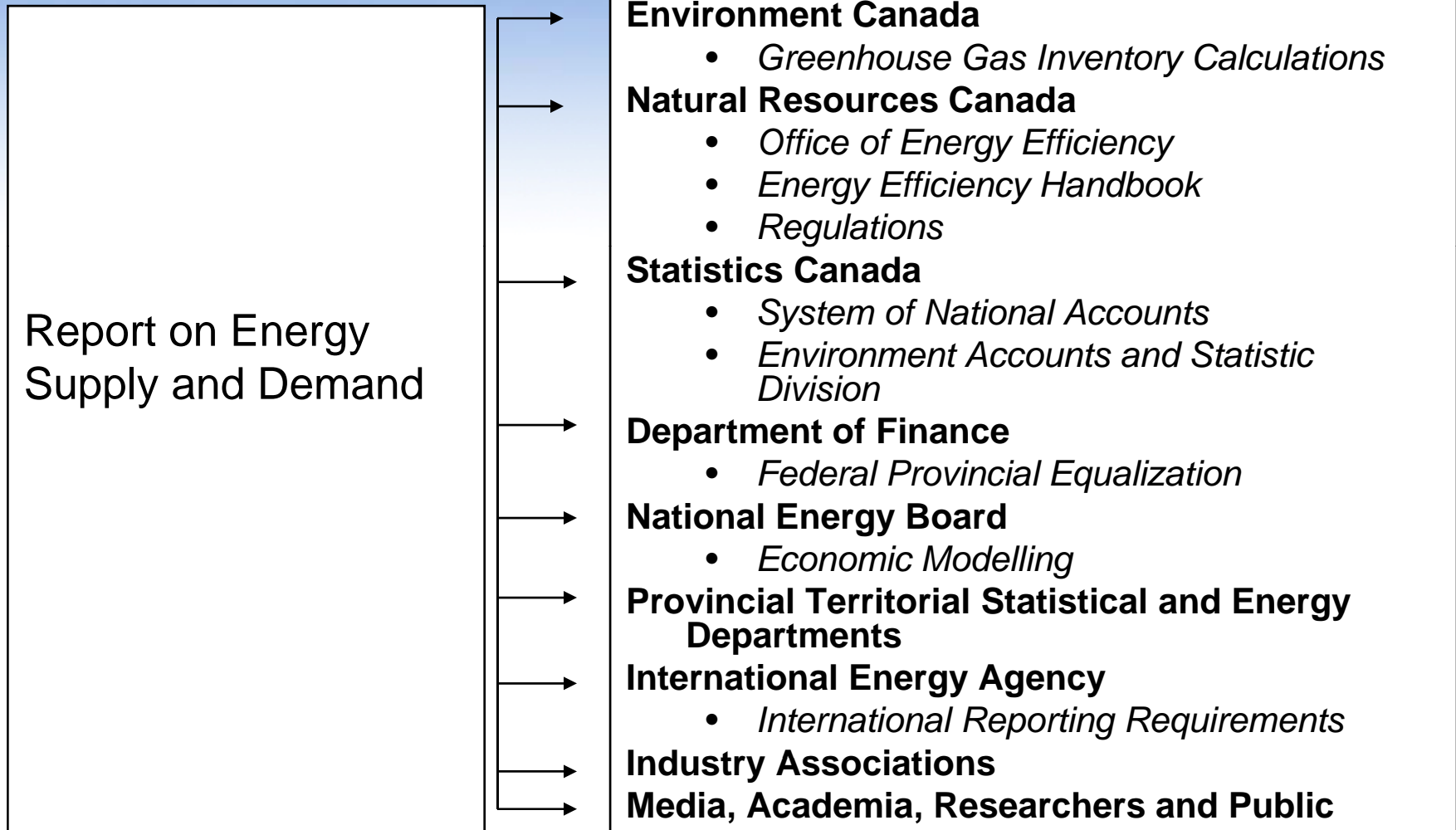


# Analytical Framework: Energy Balances





# Important Users of Data on Energy Supply and Demand





# The Changing Energy Sector



- Growing fears about global warming - New demands for monitoring emissions
- Search for sustainable development, alternative sources
- Volatility of energy prices
- Deregulation of energy markets
- Impact of major energy projects – on labour, infrastructure, investment
- Energy infrastructure cost
- All these changes have:
  - raised the profile & priority of energy data
  - identified new information requirements not met by current program

# Gaps



- Climate change initiatives
- Emerging renewable energy sources
  - Ethanol, wind, solar, etc.
- Co-generation of electricity
- Continental energy links
- Energy end-use
  - Secondary distribution of energy
  - By oil and gas extraction
  - By contract drilling industries
- Inventory levels
- Energy Balances with provincial breakdowns

# Other Challenges



- Managing response burden
- Ensuring confidentiality
- Improving timeliness
- Sustaining program capacity
  - Knowledge, skills, people

# For more information



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