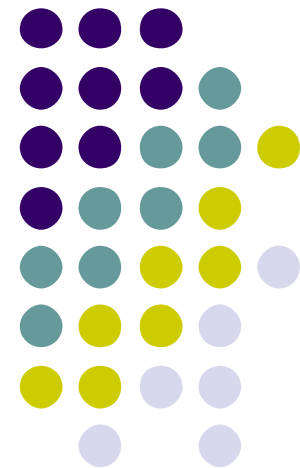


# Major Issues from EGEDA

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3 February 2010  
Wellington, New Zealand  
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EDMC/IEEJ





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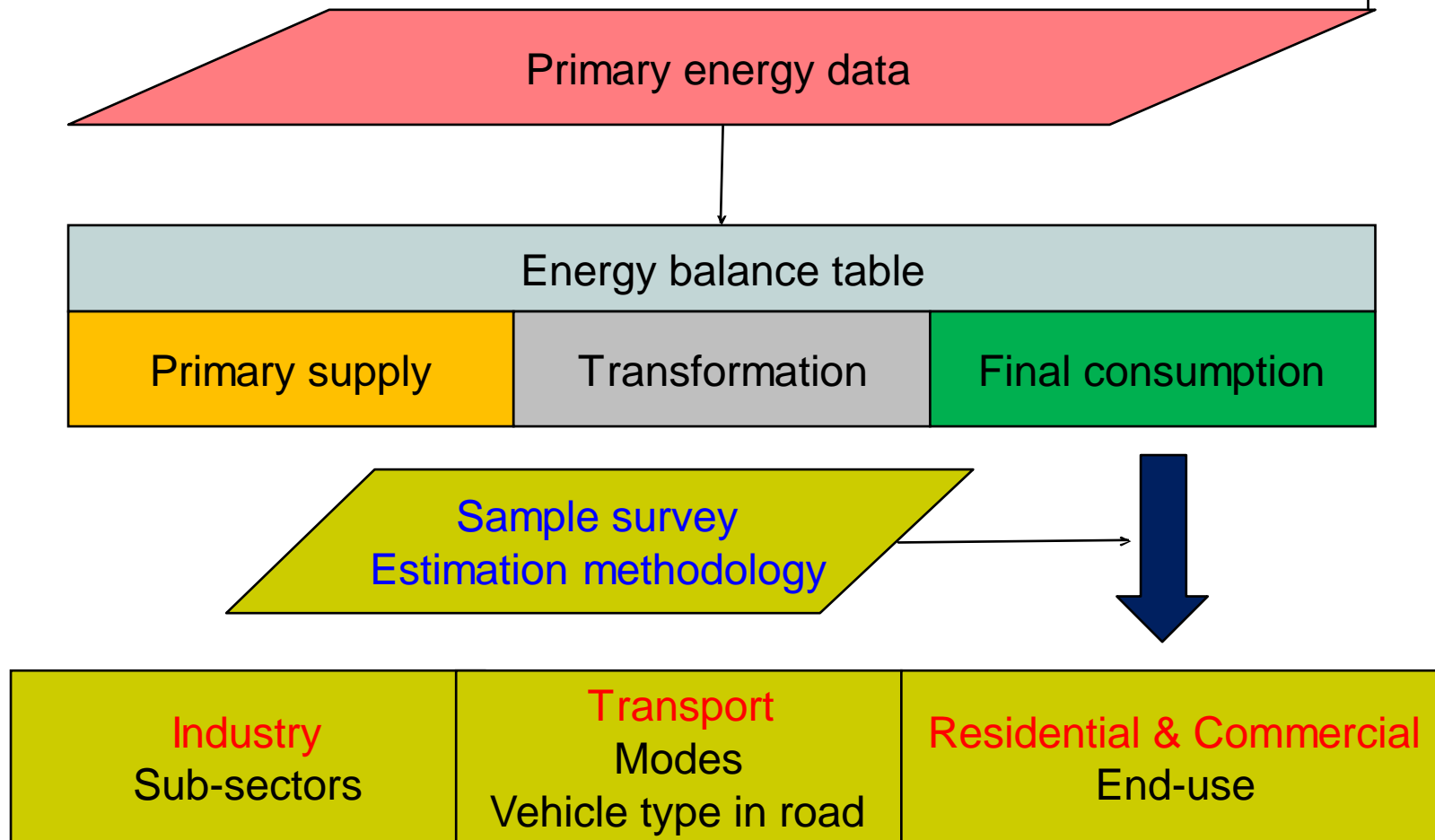
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# Points of the Presentation

- Energy efficiency and conservation is one of long term issues of Energy Security Initiative under APEC-EWG.
- Energy efficiency indicators are very important to monitor outcomes of implementing energy saving action plans.
- EGEE&C and EGEDA already collaborated to prepare the indicators in APEC but it was not sufficient.
- EGEDA seeks again for collaboration with EGEE&C on preparation of the indicators

# Energy Balances and Energy Efficiency Indicators



# Current Coverage of EGEDA



- Energy Balances prepared by EGEDA
  - Primary energy supply: Indigenous production, import/export, stocks, international aviation/marine bunkers
  - Transformation: electricity, petroleum refinery, coal transformation, gas processing, etc
  - Final energy consumption:
    - Industry sector: sub-sectors (12 sectors)
    - Transport: by modes (air, road, rail, inland waterways)
    - Others: residential, commercial, agriculture, fishery, others
- Further break-down towards EEC indicators
  - Transformation: thermal efficiency by fuel type
  - Industry: major processes
  - Transport: each vehicle type
  - Residential & commercial: end-use

# Industry Sector



- Industry Energy Consumption Survey
  - Sub-sectors basis(coverage more than 70%)
  - Estimate energy consumption for the production of main commodities such as crude steel, cement, pulp, paper, etc.
  - End-use energy consumption by process, such as boiler, co-generation, materials, direct heating and others
  - Combine this survey with the existing industrial production survey
  - Regular survey: every one, three and five years
  - EGEDA members may cooperate in this survey with industry survey agency

# Transport Sector



- Transport Energy Consumption Survey
  - Transport mode
  - Separation of passenger and freight
  - Survey on transport companies and private owners
  - Collect transport activity survey data such as passenger-km and ton-km in this survey
  - Regular survey: every one, three and five years
  - EGEDA members may cooperate in this survey with transport survey agencies

# Residential & Commercial Sectors



- EGEDA may collaborate with EGEE&C in term of developing end-use energy consumption

EGEDA

Energy consumption survey

Energy consumption by electricity and fuel  
Energy equipment:  
Name (purpose)  
Number  
Capacity  
Working hour



EGEE&C

End-use energy consumption by energy

Disaggregation of energy consumption to:  
Cooling  
Heating  
Hot Water  
Cooking  
Lighting  
Others

# Role of EGEE&C and EGEDA



- There is a possibility for EGEDA to develop end-use energy consumption in residential & commercial sectors through cooperation of EGEE&C
- EGEDA supports energy consumption surveys
  - Establish a common questionnaire to be applied for detailed energy consumption survey
  - Collect accurate energy demand and supply data through energy surveys on industry, transport and residential & commercial sectors if necessary
- EGEE&C supports calculation of end-use energy consumption data
  - Establish a common methodology to disaggregate energy consumption to end-use
  - Disaggregate energy consumption data provided by EGEDA to end-use

# Way Forward



- EGEE&C and EGEDA
  - Call APEC developing economies to start preparation of energy consumption surveys towards reliable energy indicators
- EGEDA
  - Conduct capacity buildings on the energy consumption surveys
  - Discuss appropriate energy consumption survey questionnaires to be used for the surveys
- EGEE&C
  - Discuss common methodologies to disaggregate energy consumption to end-use
  - Fill out the template (IEA) using the decomposed energy consumption as well as activity data



# Thank You