



The 16th International Energy Forum Ministerial Meeting



**Parallel Roundtable 1:
Refining and Petrochemical Sector;
New Growth Potentials and Rationalisation**

Hidetoshi Nishimura
President of ERIA
10-12 April 2018
New Delhi, India

www.eria.org

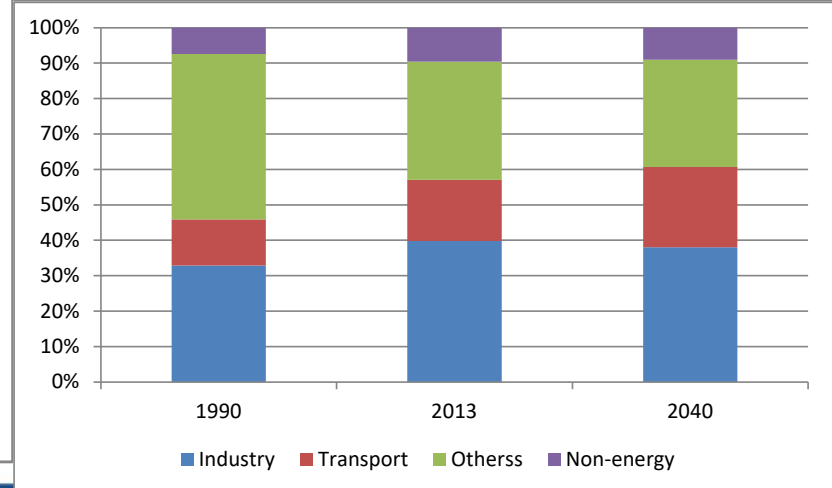
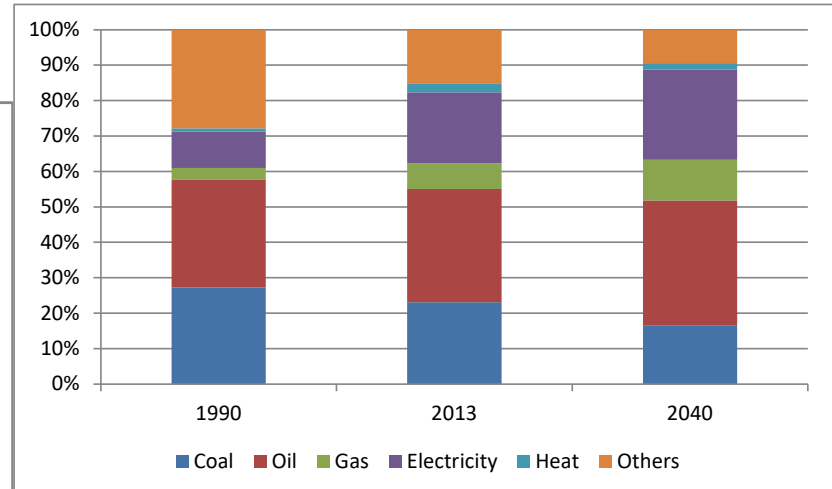
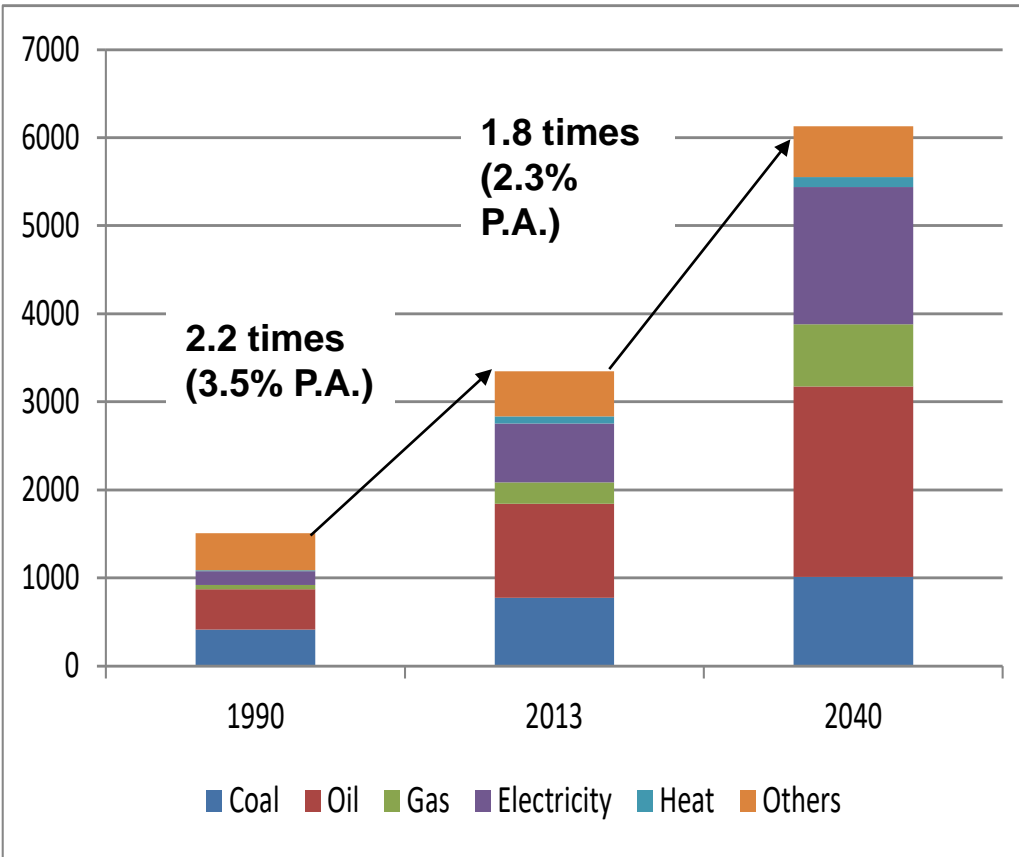
Economic Research Institute for ASEAN and East Asia



EAS Energy Outlook Result (BAU)

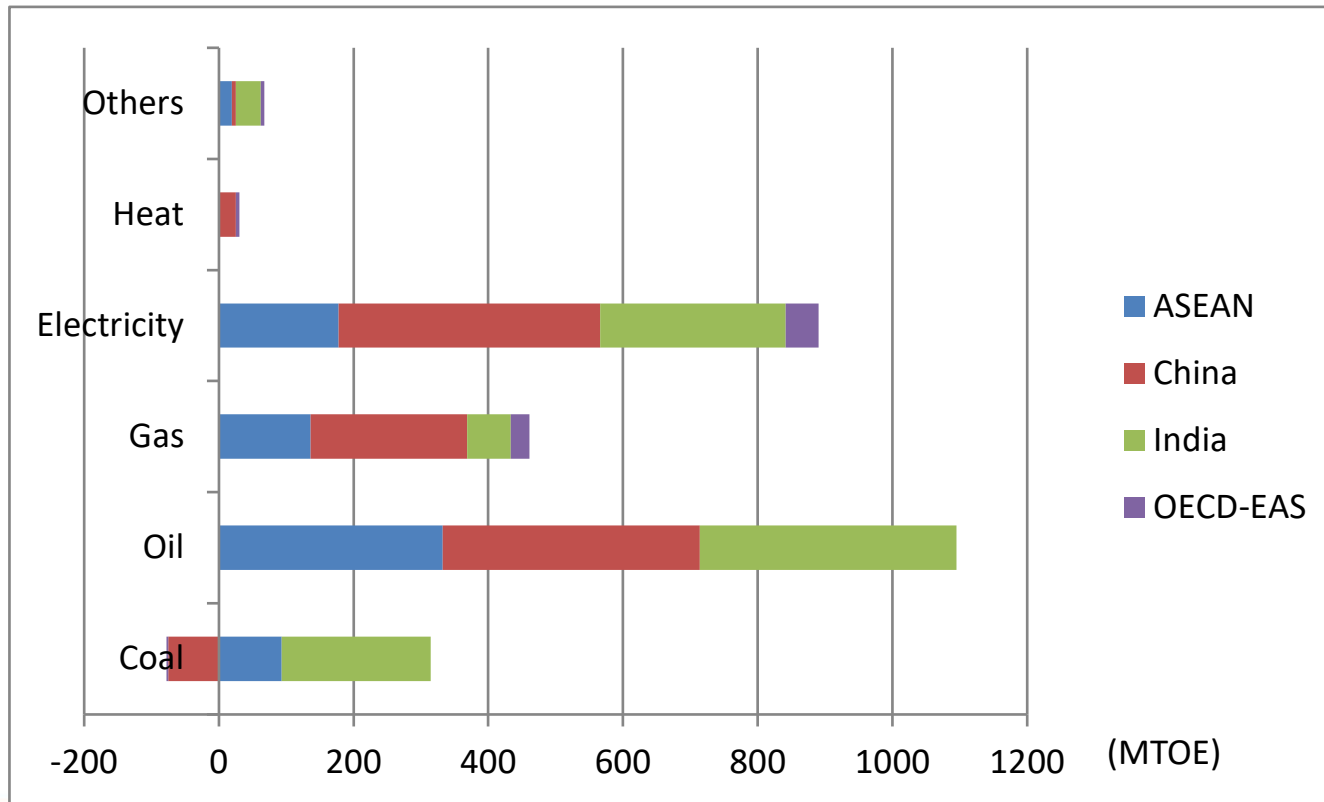
- Final Energy Consumption

(MTOE)

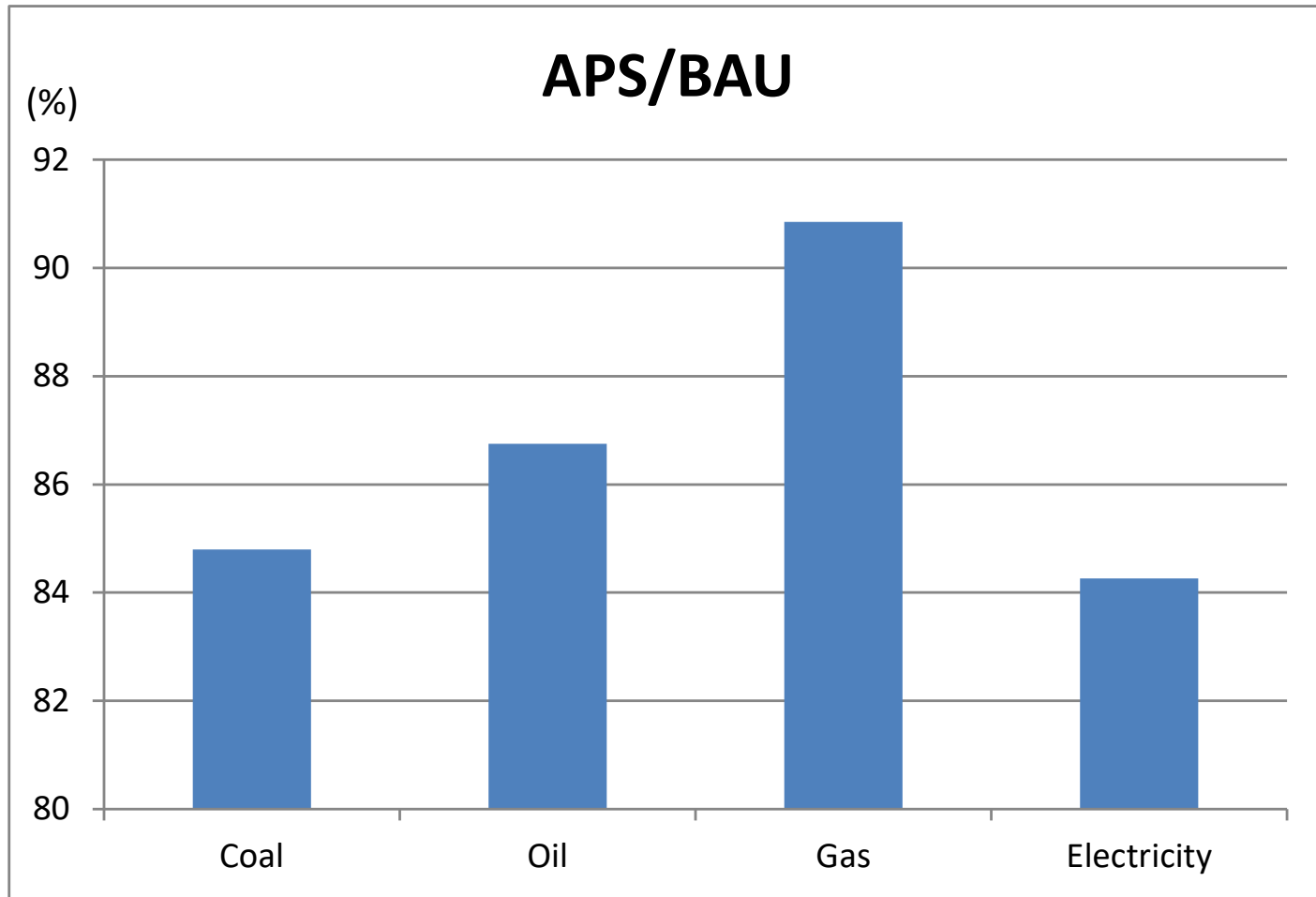


EAS Energy Outlook Result (BAU)

- Final Energy Consumption
 - Increment from 2013 to 2040 by energy



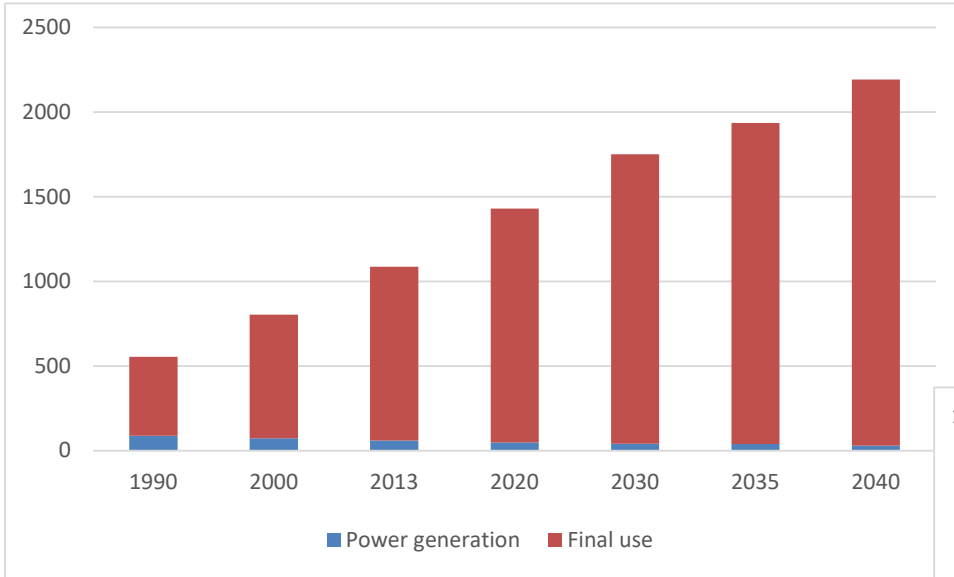
EAS Energy Outlook Result (APS)



Source: EAS Energy Outlook updated by ERIA in 2016

EAS Energy Outlook Result (BAU)

- Oil Consumption





Oil Issues

- Supply side
 - Current oil balance will continue or will be tight?
 - Trend of alternative fuel;
 - CNG, bio-fuels (ethanol, diesel, kerosene, ...)
- Demand side
 - Increase of car ownership in emerging countries
 - Next generation vehicles (EV, FCV)
 - Security for terror attacks and natural disasters
 - Stockpiling, resilience of supply chain, diversification of supply sources