

# Motor Vehicle Emissions and Fuels Philippine Setting

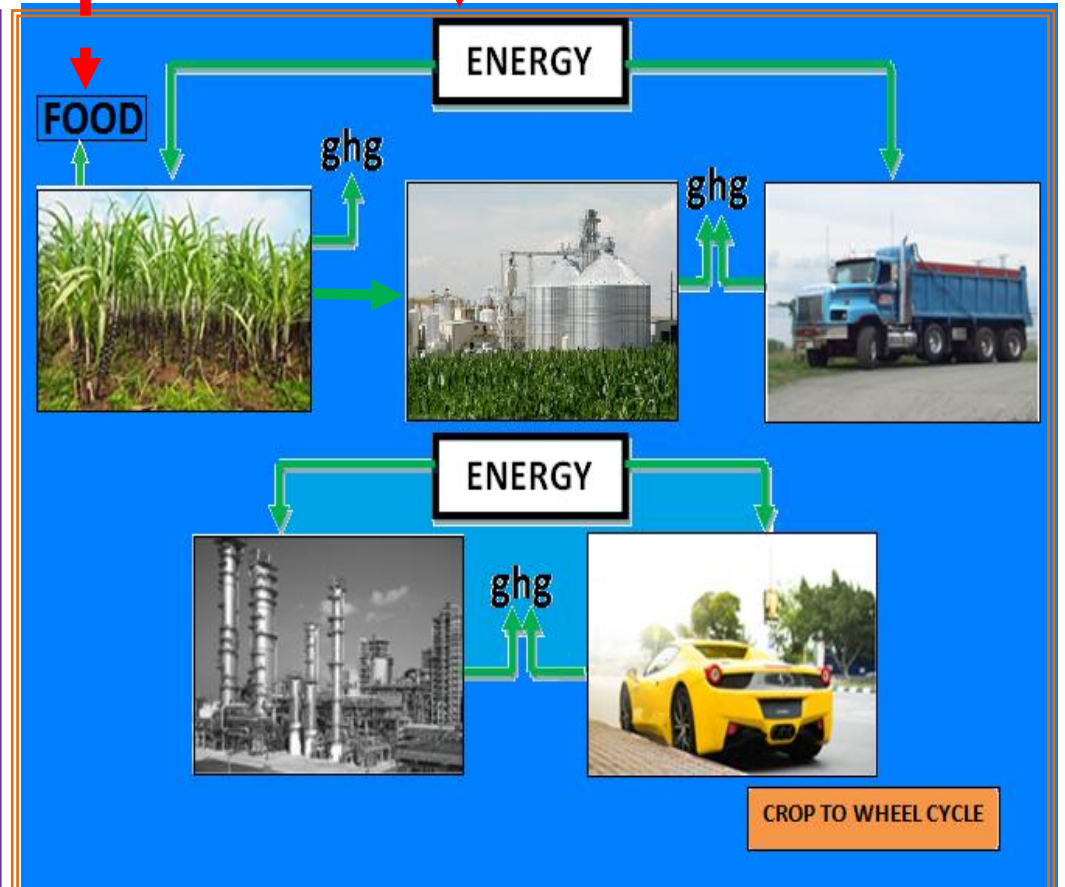
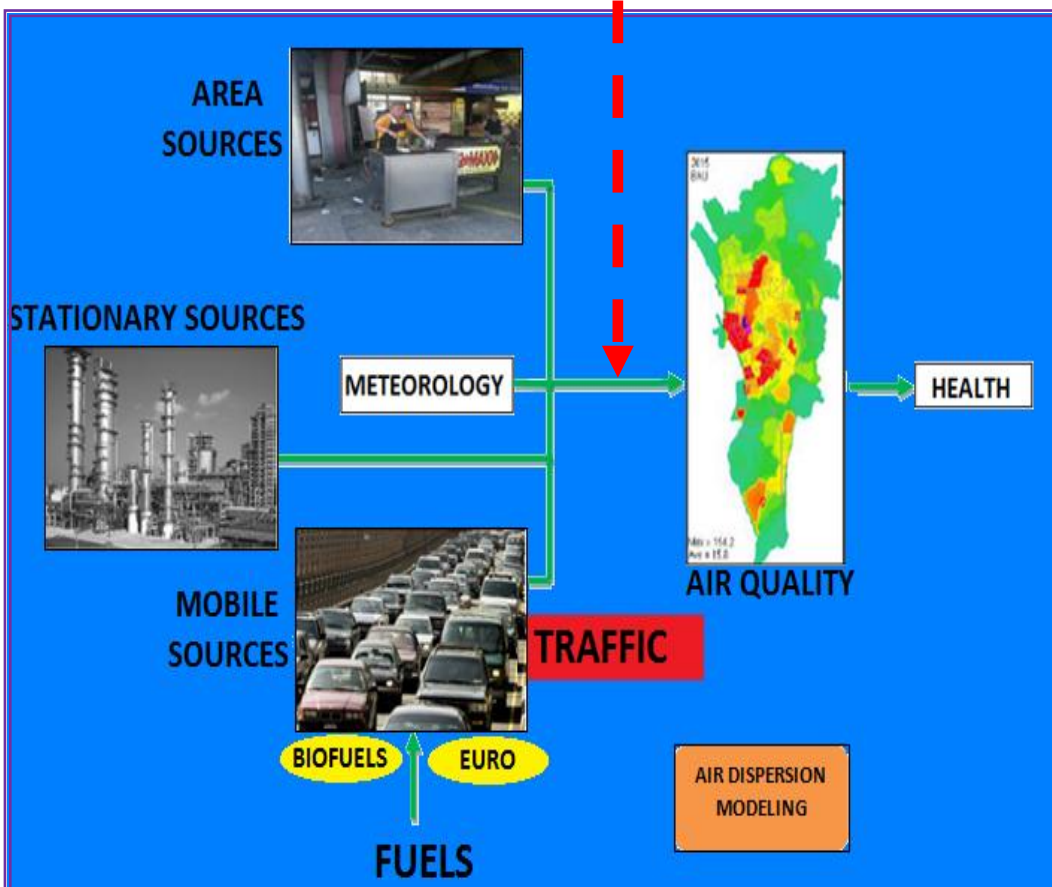
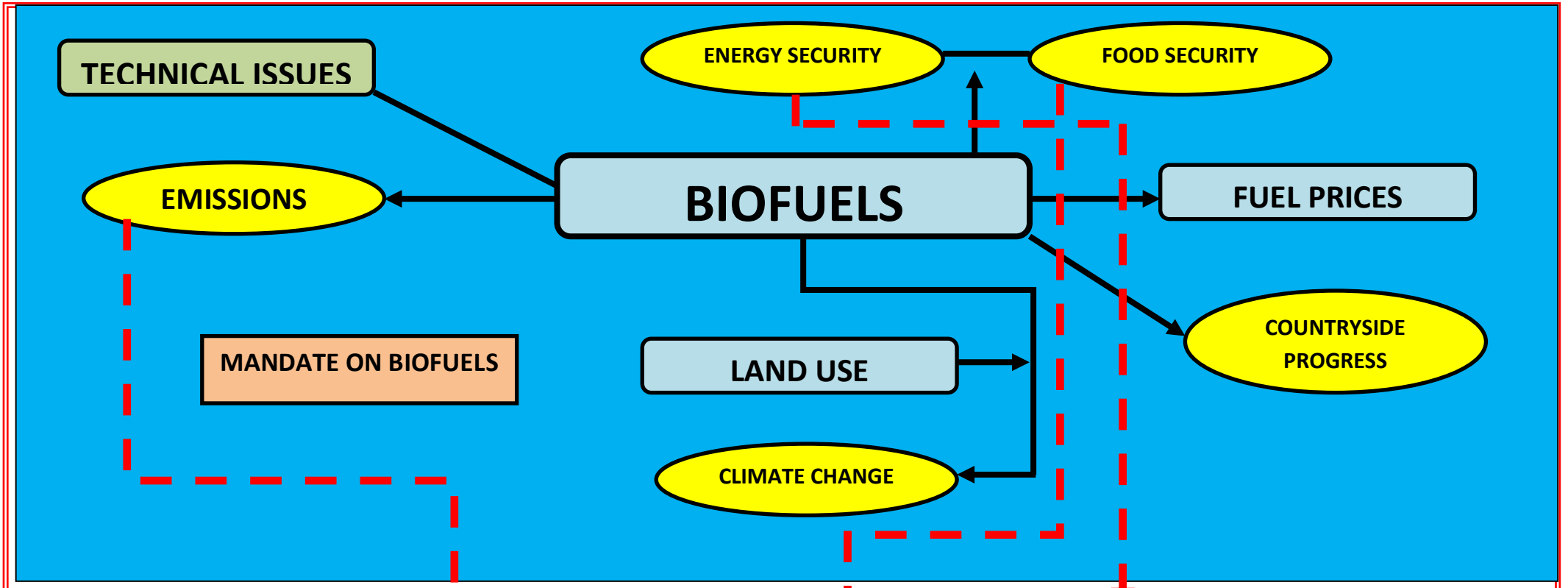


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## OUR PARADIGM

- ▶ Sustainable Development (Rio Declaration) Is Framework
- ▶ Holistic Approach : *Environment, Climate Change, Health, Energy Dependence; Socio-Economics (ECCHEE)*
- ▶ AQM should integrate Mobile, Area and Stationary Sources, Local Conditions (Traffic, Meteorology, Vehicle Types)
- ▶ Sound Science is Arbiter of Issues (e.g. Issues on Fuels)

▶ LOCAL SOLUTIONS TO LOCAL PROBLEMS



## VEHICLE EMISSIONS AND FUELS

### THE PHILIPPINE MANDATE ON BIOFUELS

ANCHORED ON SUSTAINABLE DEVELOPMENT

POLICY IS HOLISTIC

HOWEVER...

UNINTENDED CONSEQUENCES ARISE

IMPLEMENTATION A CHALLENGE

## CHALLENGES AND SCIENCE INTERVENTION

IS ENERGY INDEPENDENCE ACHIEVED?

“EURO FUELS” RELATIVE TO BIOFUELS

BEST AVAILABLE TECHNOLOGY FOR AQ BASELINE  
 (E.G. AIR DISPERSION MODELING)

POLICY ON FOOD AND ENERGY SECURITY  
 CLIMATE CHANGE IMPACTS ON FOOD PRODUCTION