

Abstract of Presentation

Note: This paper should be typed in “Times New Roman” of 12pt.

Presentation Title(Should be no more than 20 words):

Towards a Secure and Sustainable Asian Energy and Environment Regime through Innovative R & D Cooperation: *Indonesian Perspective*

Abstract (Should be no more than 150 words):

R & D efforts to reduce national dependence on oil and help curbing the GHG emissions have been sporadically carried out since the eighties in Indonesia, *a.o.* to conserve fossil fuel and diversifying it by incorporating secondary and renewable energy sources. These include coal liquefaction, biofuel, electricity generation from renewable resources like biomass, geothermal, solar and wind, wave and ocean energy, micro-hydro and hydrogen energy.

Fragmented and discontinued bilateral and multilateral R & D cooperation (including policy studies) in energy conservation and renewable energy had been conducted, including those within the framework of ASEAN – Australia cooperation, and with countries like the Netherlands and Japan. Yet, no such UNEP/GEF/ODA schemes existed.

Unequal R & D capacities, coupled with lack of proper capacity building, institutionalization of the achievements, and marginal investment by the government and beneficiaries have all prevented the sustainability of the outcomes. An innovative and properly funded network of national center of excellences, focusing on clean coal technology and carbon-free renewable energy like hydrogen is then advised. Indonesia is prepared to join the network.