

# Research and Education Network and the role of Measurement Research

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# Supporting REN

- providing connectivities (main mission)
- showing the role and value of REN
  - e.g., educational and medical technologies
  - differences from commercial ISPs
    - tech demo, disaster coordination, connecting remote islands/sparse areas
- REN as a driving force for technology and human resource development
- REN as a prerequisite for further international coordination

# Issues for Asia-Pacific

- a collection of countries with diverse culture, social values and issues
- lack of major coordinator such as Internet2 in US and GÉANT in EU
- loose coordination under APOnet and GNA-G

# Role of Measurement Research

- measurement for operational support
- measurements as research inputs
- get local members, especially students, involved for using their own data for their research
  - eventually establish research culture

# TODOs

- adapt measurement methodologies according to each REN's situation
- show REN's values in technology, education, medicine via experiments
- promote open data, to encourage evidence-based research
- issues specific to REN
  - student participation: with pros and cons
  - budget management and international coordination
  - routing: many ad-hoc configurations between institutes for events or outages, leading to mis-configurations and obsolete ones
- provide inputs for policy makers, for solving problems specific to each country or region