EUAsiaGrid enabling integration to the wider Grid Infrastructures

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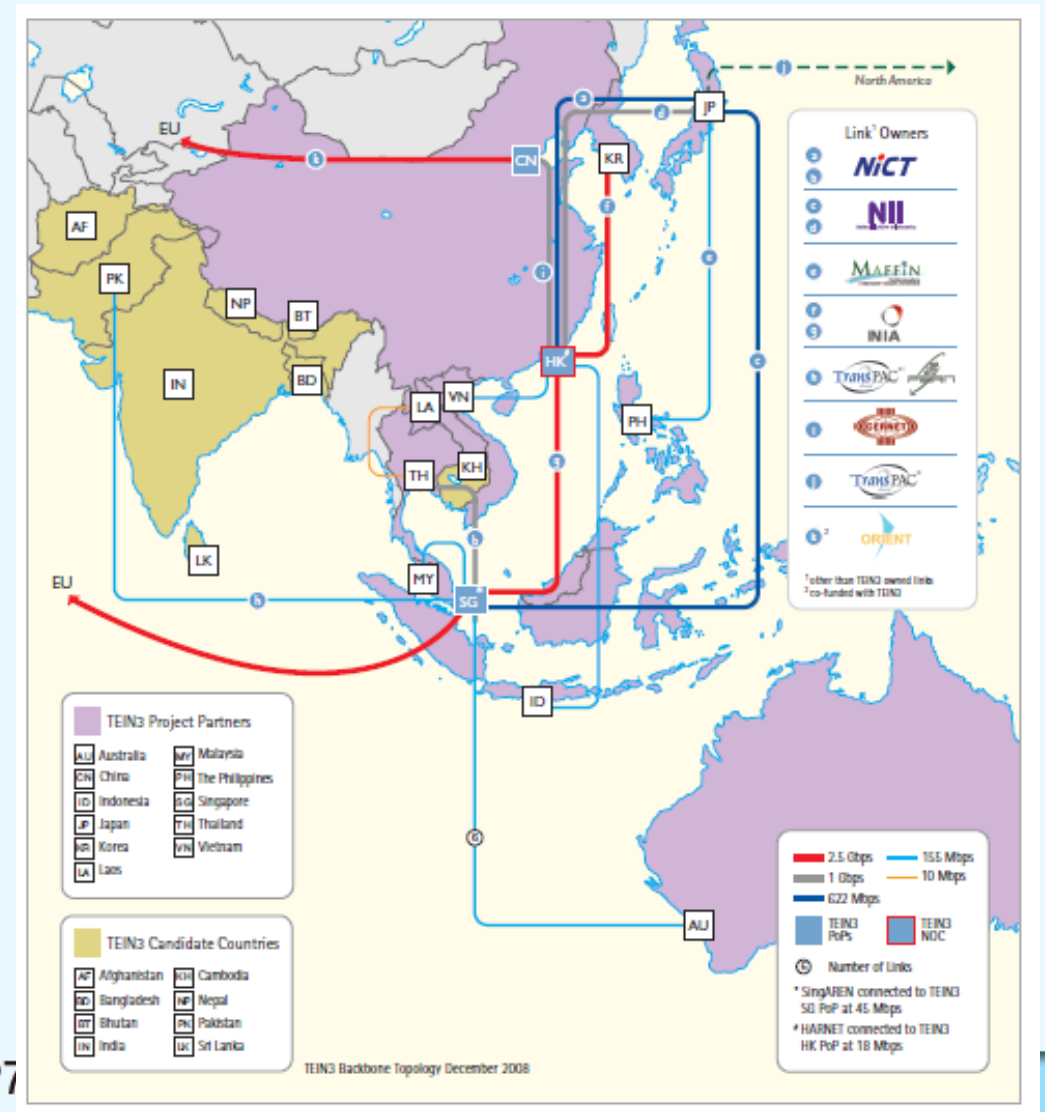
Support

- TEIN3 provides a dedicated high-capacity Internet research and education communities across Asia-Pasific
- INHERENT is Indonesian National Research and Education Network that is connecting more than 300 universities in Indonesia.

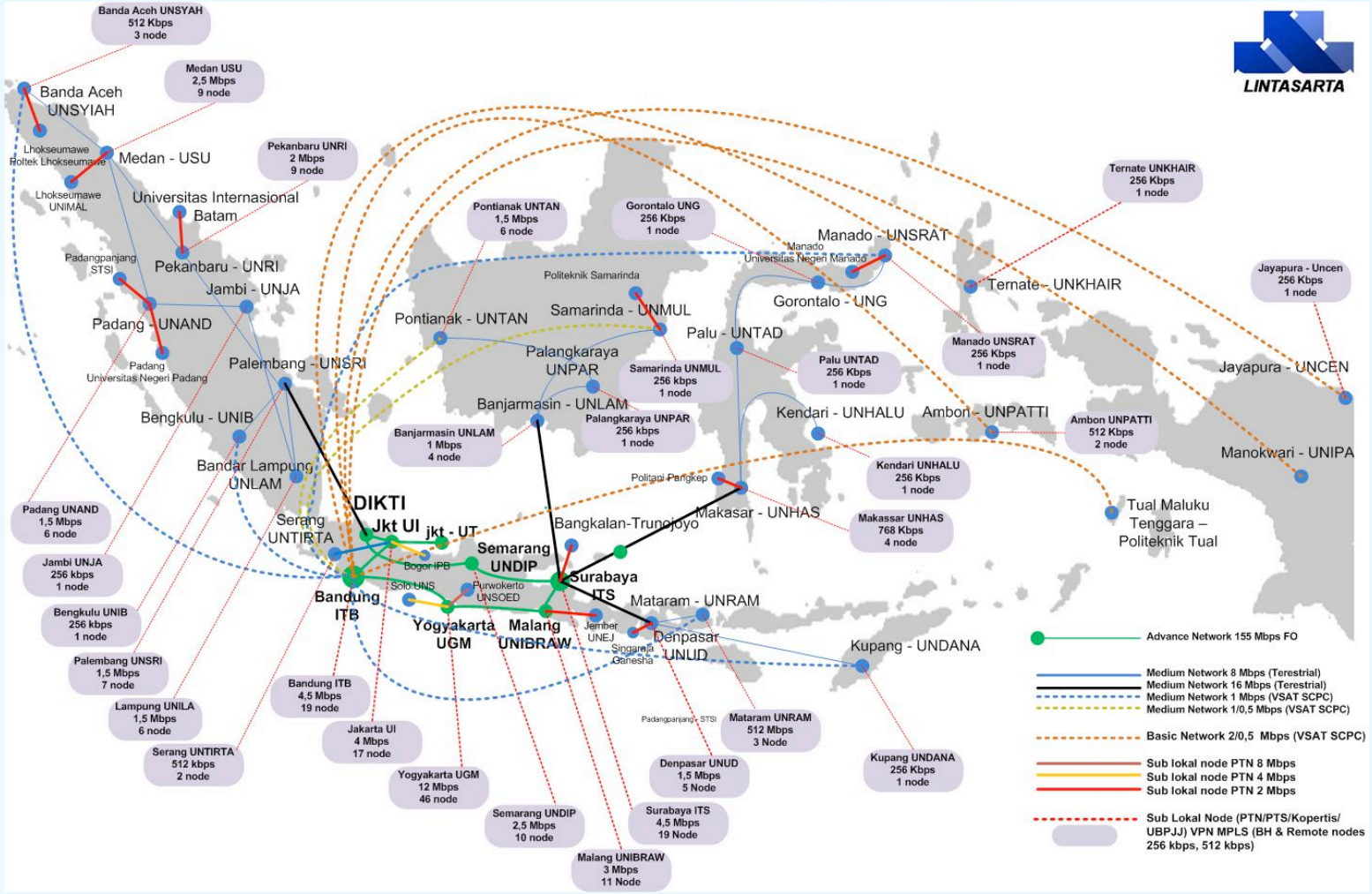
- In EUAsiaGrid Project, ITB involced in Supporting Scientific Applications, Dissemination, and Training.



TEIN3

- 155 Mbps to HK
- Two hope to GÉANT from SG
- Two backup hops to GÉANT from HK & CN
- Two hope to GÉANT from SG
- Connected to Inherent in Indonesia

Inherent 2009



ITB Activities - EUAsiaGrid

- **Among existing Grid Application, ITB focused on:**
  - Computational Chemistry: to be able to perform some chemistry computation in larger scale.
  - Bioinformatics and Biomedics: With the TEIN3 Network , ITB has build the bio-informatics mirror with the collaboration with APAN (Asia Pacific Advanced Network).
  - Mitigation of Natural Disasters: disaster mitigation research and development in urban and rural area, to identify and analyze the disaster impacts
- **ITB also support Weather Prediction to have benefit from the use of the Grid**

Weather Prediction Application

- **Weather prediction application running in ITB is the only one weather prediction application in Indonesia.**
- **Currently using several computers for running the computation.**
- **This application is using MODIS data from sattelite image[1] to generate weather forecast information and displayed in a web page.**
  - http://weather.geoph.itb.ac.id
  - http://weather.geoph.itb.ac.id/ajax
- **Parameters used for this application like Infrared and Water vapor are plotted to TBB (Temperature Black Body) over Maritime Continent.**

[1]downloaded from Konichi University in Japan