

IRNC projects and APAN

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High Performance International Internet Service (HPIIS)

- APAN started.
- Internet exchange service for the R&E networks in the Asia-Pacific area started.
- TransPAC (US-JP) with ~~62.4Gbps~~ 62.4Tbps
- EuroLink (US-RU)

International Research Network Connections (IRNC)

- TransPAC2 (US-JP-...-CN, SG, PK)
- TransLight/EuroLink (US-EU)
- TransLight/PacificWave (US-...-AU, JP)
- WHREN (US-...-Central America, South America)
- GLORIAD
(US, RU, CN), KR, NL, CA, DK, FI, IS, NO, SE)

Trans-Eurasian Information Network (TEIN)

- 1G
 - EU-KR
- 2G
 - EU, KR, CN, PH, VN, MY, TH, ID, SG, AU, JP
- 3G
 - EU, KR, CN, HK, PH, VN, MY, TH, ID, SG, AU, JP, TW, IN, LK, NP, BD, BT, KH, LA

Asia-Pacific Backbone Topology



Future activities

- IRNC++
 - Taj Project (India, Egypt and beyond)
- European Project
 - CAREN (EU, Kyrgyzstan, Tajikistan, Turkmenistan)

Issues

- Production Network
 - Close collaboration between NOCs
- Research Activities
 - Mismatch of the research targets
 - Future Internet Technology v.s. Legacy Internet Technology

IRNC2010

smaller projects

- Network Startup Resource Center
- IRIS (perfSONAR)
- DyGIR (DCN)
- Sustainable data-handling and analysis methodologies for IRNC
- 6watch

IRNC2010

smaller projects

Future Internet	Legacy Internet
	Network Startup Resource Center

IRNC2010 smaller projects

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IRIS (perfSONAR)	

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Example, Medical WG

- High Resolution Video and Audio communication
 - Monitoring
 - Security
 - Protocols for high performance data transferring
- Both Future Internet Technology and Legacy Internet Technology have the solutions.
 - Both solutions are required for the collaboration between the advance area and the developing area.
- APAN can be the platform for the mosaic connectivities.