

# Indonesia in the 1990s

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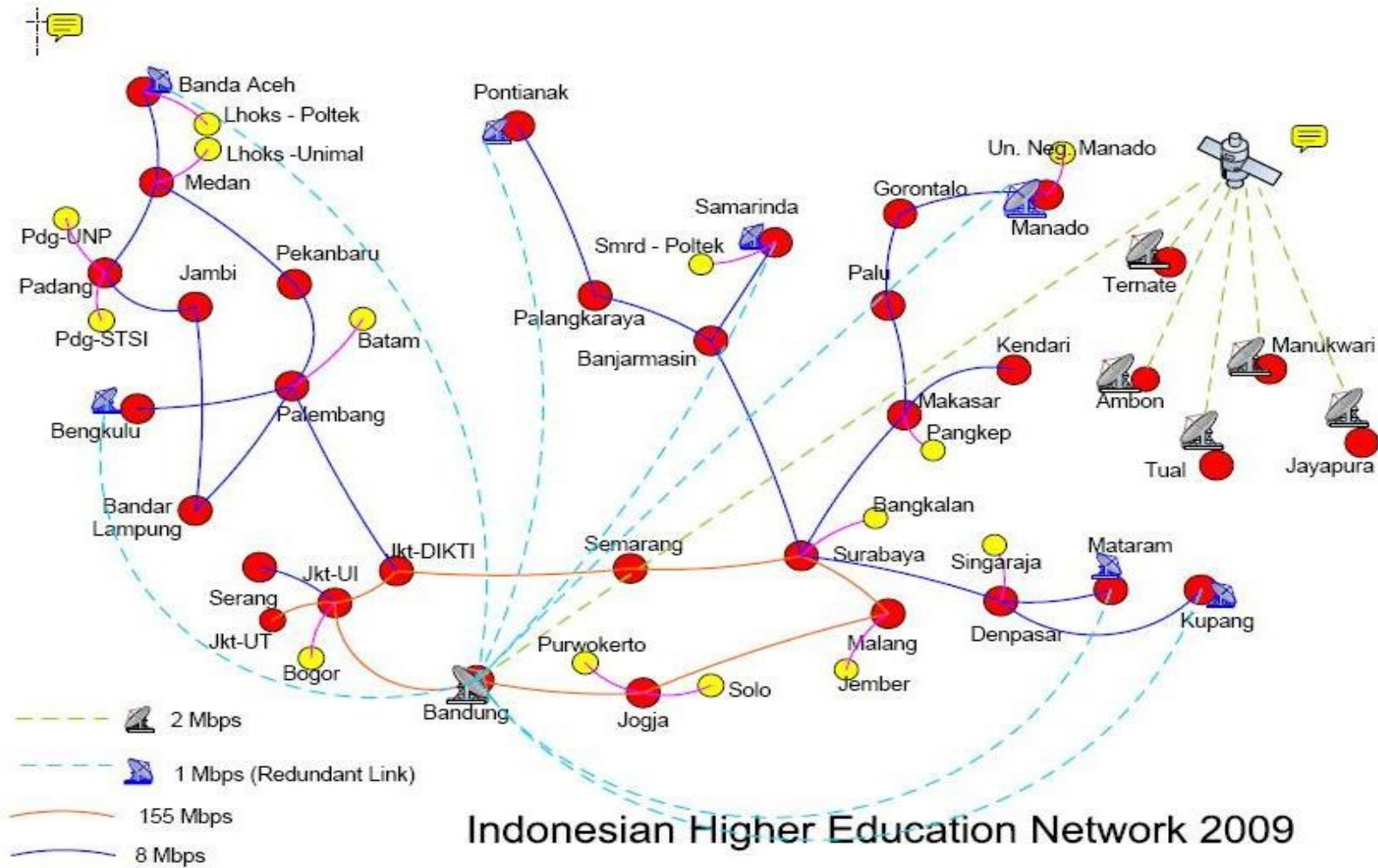
# Some Internet Related Issues

- reflection of country's Internet development
  - **Indonesia in the 1980s and 1990s**
- vision of country's Internet evolution
- outlook of Asian Internet
- perspective of Research Network

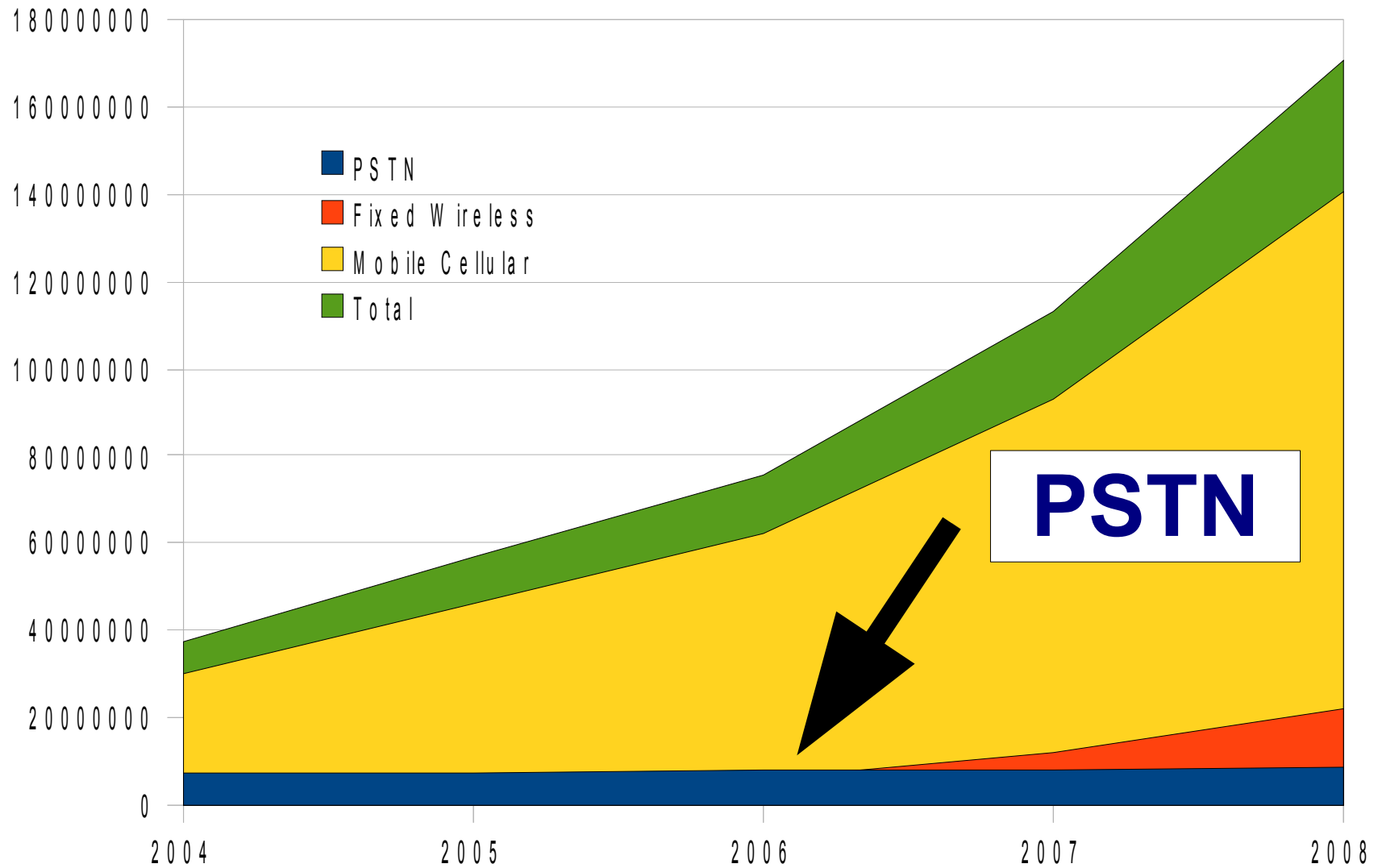
# INHERENT Today (1)

- Indonesia Higher Education and Research Network
  - 82 Public Higher Education nodes
  - 224 Private Higher Education nodes
  - Bandwidth 2 - 155 MBps
  - Programs:
    - research grants
    - tele-teachings and teleconferences
    - resource sharing
    - local content development

# INHERENT Today (2)



# Indonesia Today



# How were the 1980s and 1990s?

- 1980s: Pre Internet
- Early 1990s: Pioneers
- 1994-2000 : Commercial Internet
- 2000- : Mobile and Wireless Internet

# 1980s: Pre Internet

- The days of the Mainframes and Minis
- Less powerfull PC
- Low Speed/ Quality Dial Up Connections
- Expensive X.25 service
- UUCP (batch): UNInet, AUSEAnet
- UUCP MAP: "Understands .id domain"
- First UI IP address block: 192.41.206/24

# Early 1990s: Pioneer

- Packet Radio Links (1992s)
  - Jakarta - Depok - Bogor- Bandung
- IPTEKNET (trial: 1993)
  - X.25 link to RWTH Aachen (Germany)
- “.ID” Domain (1993)
  - forwarding UUCP mail to UUNET, USA.
- Campus Networks (1993)
  - Depok (UI) 152.118/16
  - Bandung (ITB) 167.205/16



# 1994- : Commercial Internet

- Major Commercial ISP
  - INDOnet, RADnet, CBN --> APJII
- SubDomains
  - "ac.id". "co.id", "go.id"
  - early registration guidelines
- WebHosting
  - BisnisWeb, IndoGlobal, WebIndonesia
- IIX: Peering

# Conclusion

- Early Internet Stage in Indonesia
  - commercial ISPs: the pipes
  - young entrepreneurs: the ecommerce
  - universities: the resources

# Reference

- "*INHERENT and Higher Education Development in Indonesia*", Secretary of the Board of Higher Education, 2009.