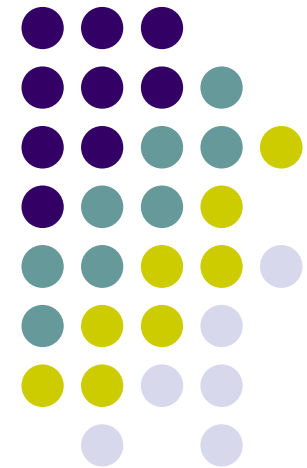


# KU Live-E

*Anan Phonphoem*

Office of Computer Services  
Kasetsart University  
Bangkok, Thailand

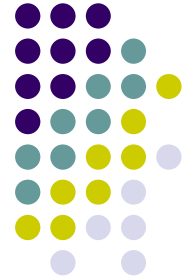


# Agenda

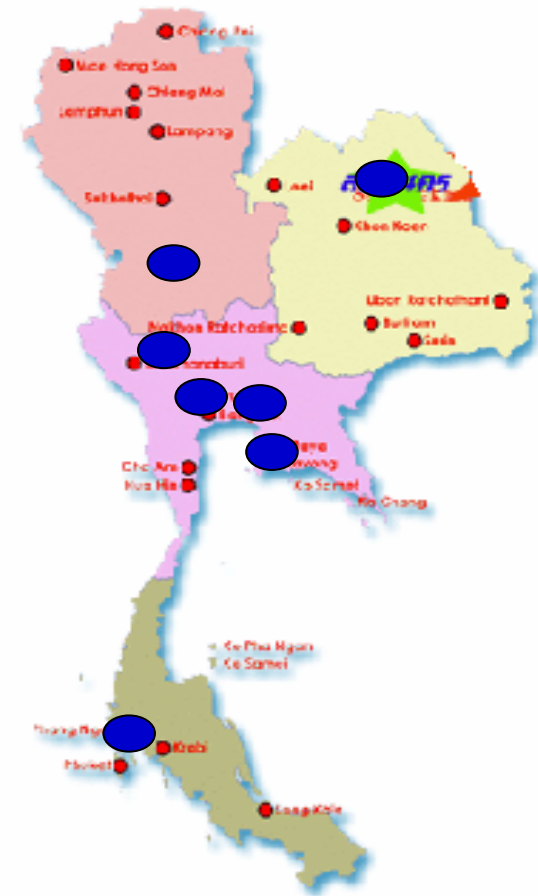
- About KU
- Live-E Status
- Future Plan



# Kasetsart University



- Established in 1943
- 4 established campuses :
  - Bangkhen
  - SriRacha
  - KampaengSaen
  - Sakhon Nakorn
- 3 campuses projects :
  - SupanBuri
  - Krabi
  - LopBuri
- 2 Demonstration schools (K-12):
  - Bangkhen
  - Amata City
- 20 Agriculture Research Centers across country



# Kasetsart University

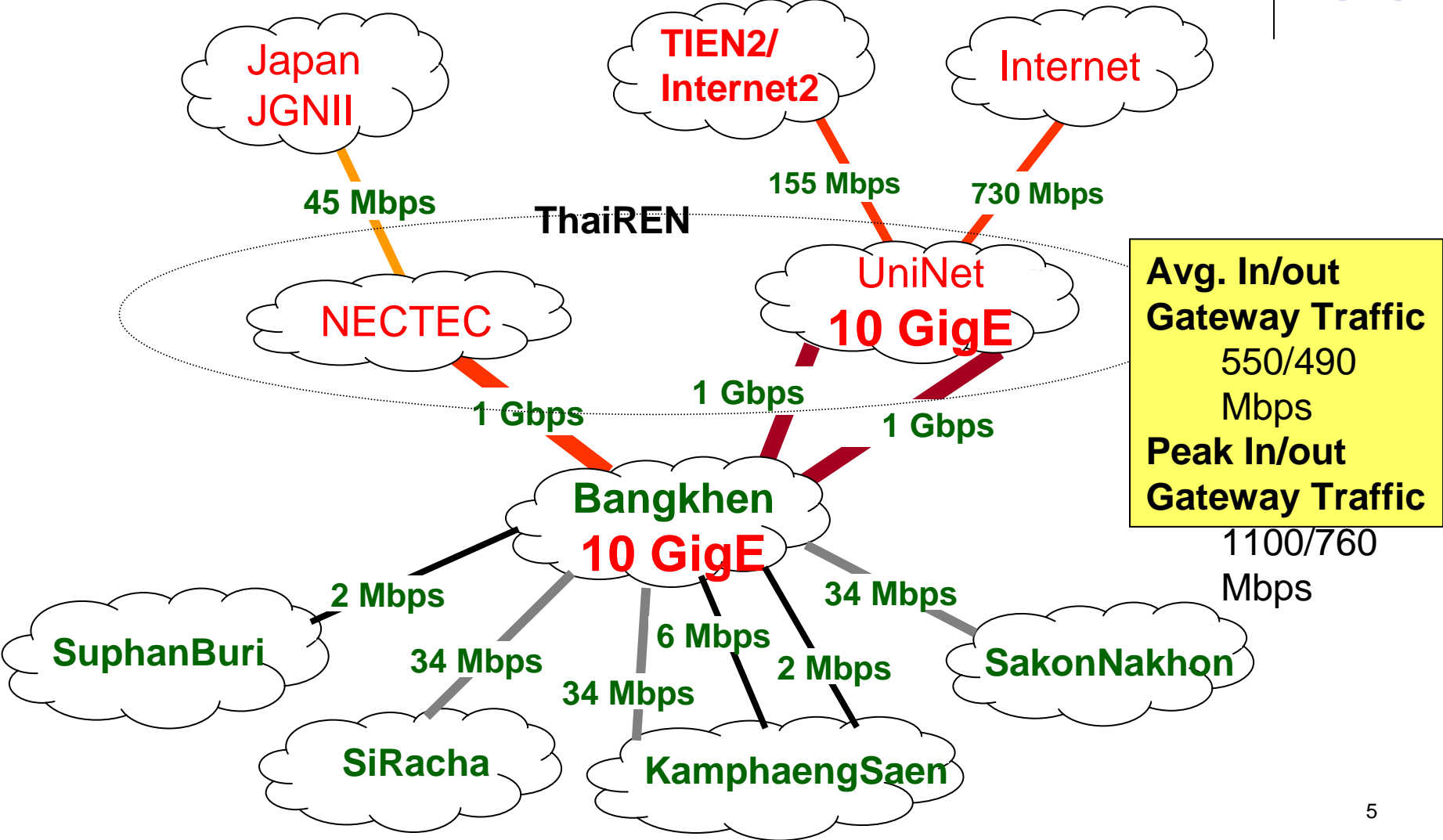


- 43,000 students  
(75% Undergraduate)
- 5,000 academic staffs
- 4,000 supported staffs
- University Annual Budgets: US\$200M

<http://www.ku.ac.th>

# NontriNet

(Domain: ku.ac.th)

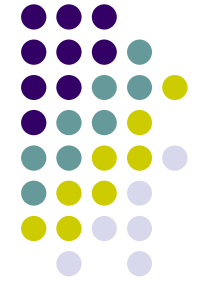




# Kasetsart Univ. Laboratory School (Satis Kaset School)



# Installation Site





# Sensor Units



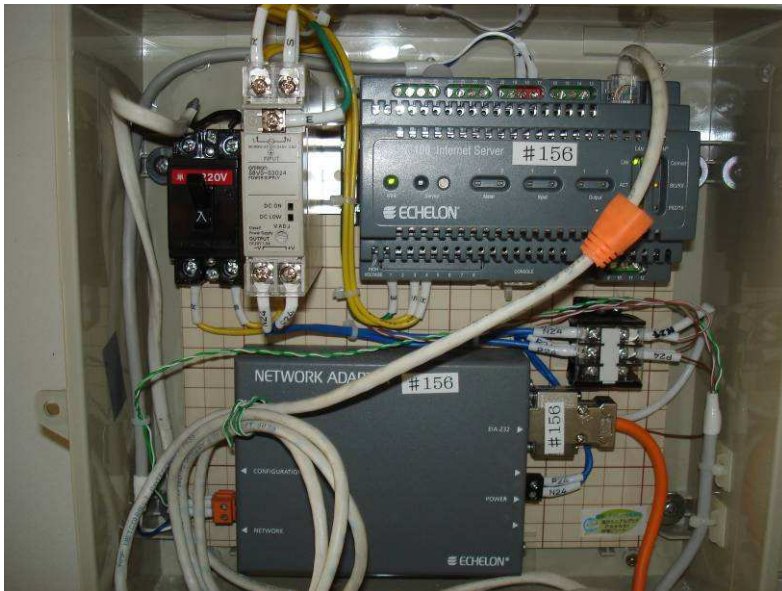
Wind and Rain Fall Sensor

- 20 Dec 2006  
(1<sup>st</sup> Installation)
- 24 Jan 2007  
(2<sup>nd</sup> Installation)

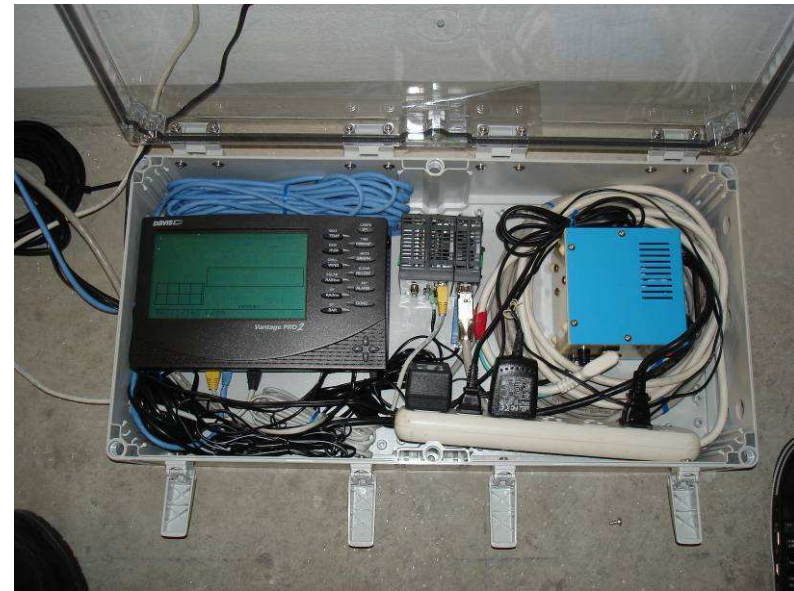


Camera

# Controller Units



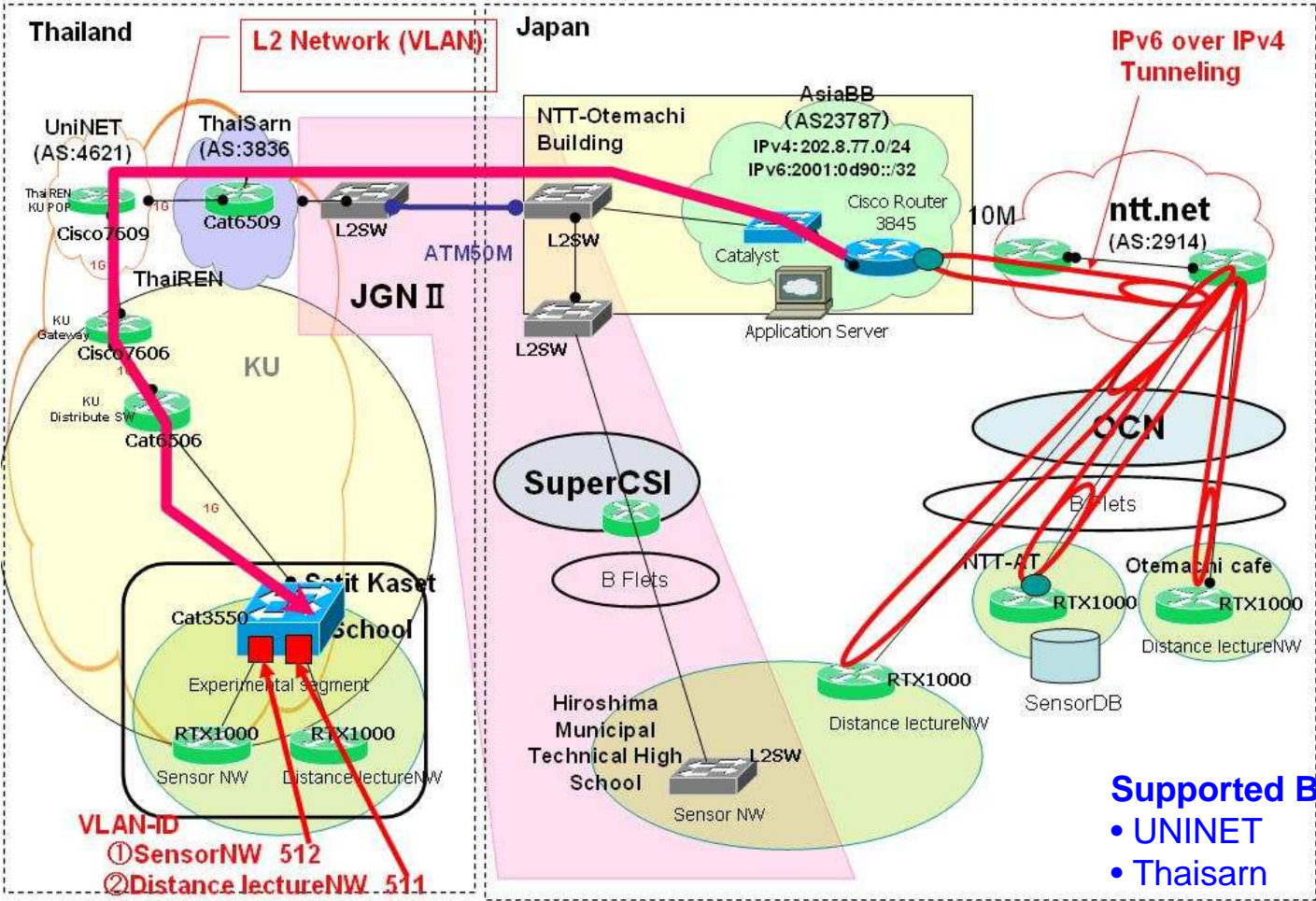
For sensor #1



For sensor #2

# Network connection

Hiroshima school – Satis Kaset school

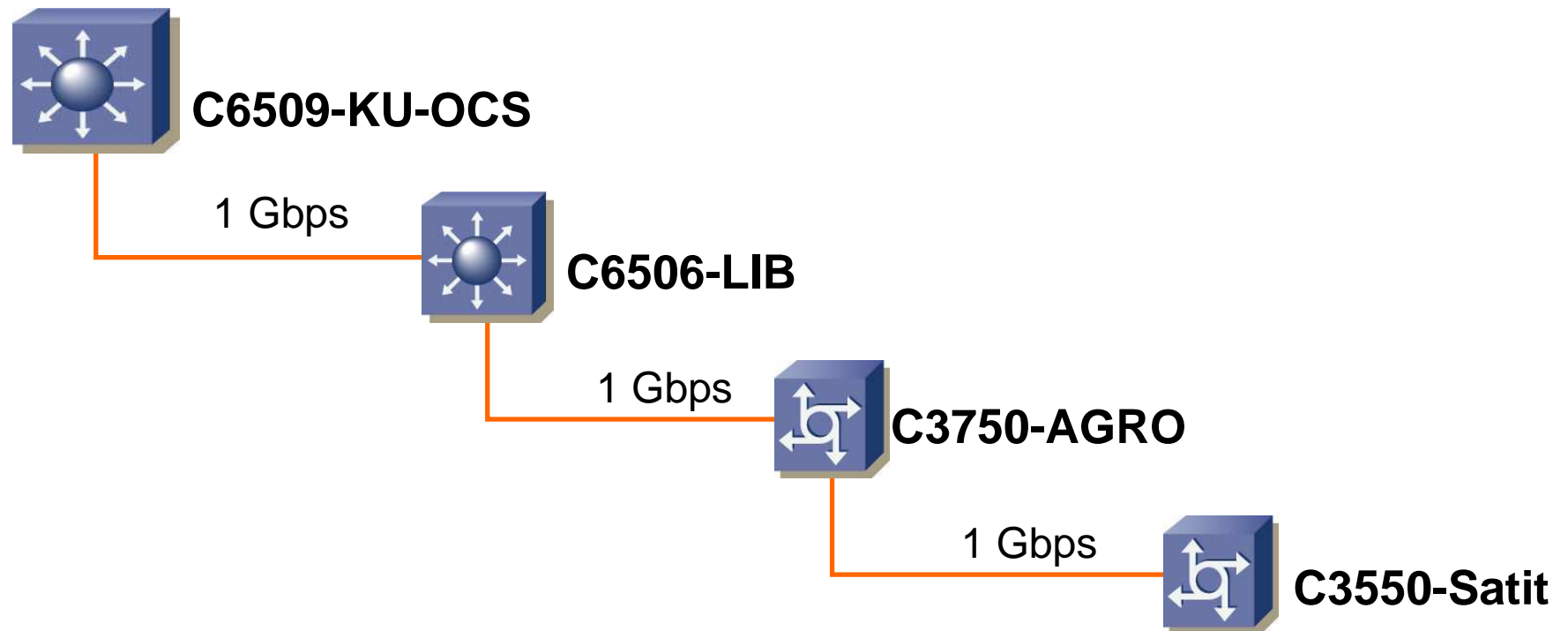


**Supported By**

- UNINET
- Thaisarn
- NTT communication<sup>11</sup>

# Internal Network Connection

Physical Fiber Link from OCS to Satis Kaset school





# Activities

Hiroshima school – Satis Kaset school



- Live conversation (Nov 2006)
- Chat program provided by Japan
- Video conference (Weather data, Cultural ex.)

**Sensor Data** <http://live-e.hongo.wide.ad.jp/data/current.php>

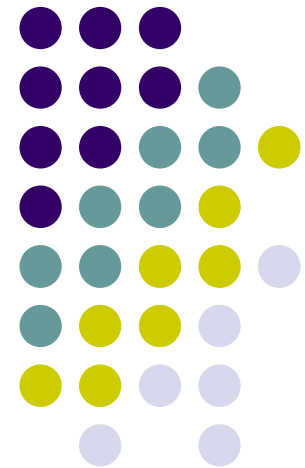


# Experiences

- Information gathering
  - Temperature
  - CO<sub>2</sub>
  - Humidity
  - Rain Fall
  - Wind
- Student collaboration
  - Student networking
  - Stimulate exploration behavior / research
  - Cultural exchange
- Technical collaboration
  - Equipment setup (sensor unit, server, teleconference, etc.)
  - Network configuration
  - Data sharing

# Future Plan

---



# Agricultural Area

## Kasetsart Research Centers

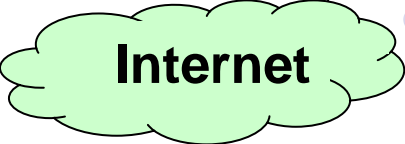




# Current Sensor Units



# Remote Communications



Satellite Link

VPN Gateway



Voice call  
Information  
Internet Access



# Thank you

---

