Telescience wg report back

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2017.04.15

day1

- Jason Haga, “River Disaster Management Application for Collaborative Visualization”
- **Yen-Jong Chen, “Planning for Smart and Green Energy Communities – Taiwan Shalun HSR Station Area”**
- MING-DER YANG, “Interdisciplinary TEACHING ENVIRONMENT WITH SAGE2, VR&AR”

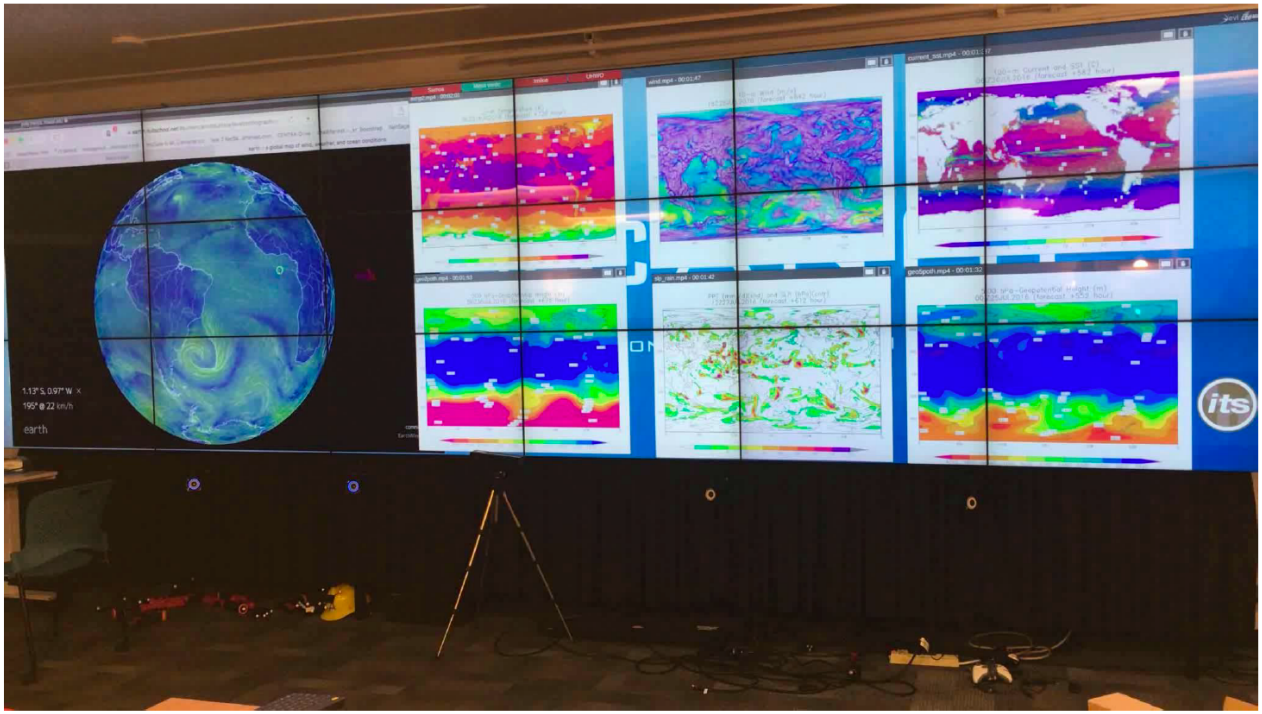
day2

- Yoshiyuki Kido, “A switching mechanism of visualization middleware and application using Docker”
- Chi Wei Yi, ”Automobile detection wth AOV with deep learning”
- Whey-Fone Tsai, “SAGE2 Synchronized Display for Big Data Analytics in Environmental Monitoring and Green Energy”

NARLabs

Synchronized Display at SAGE2-Applications

U. Hawaii
LAVA

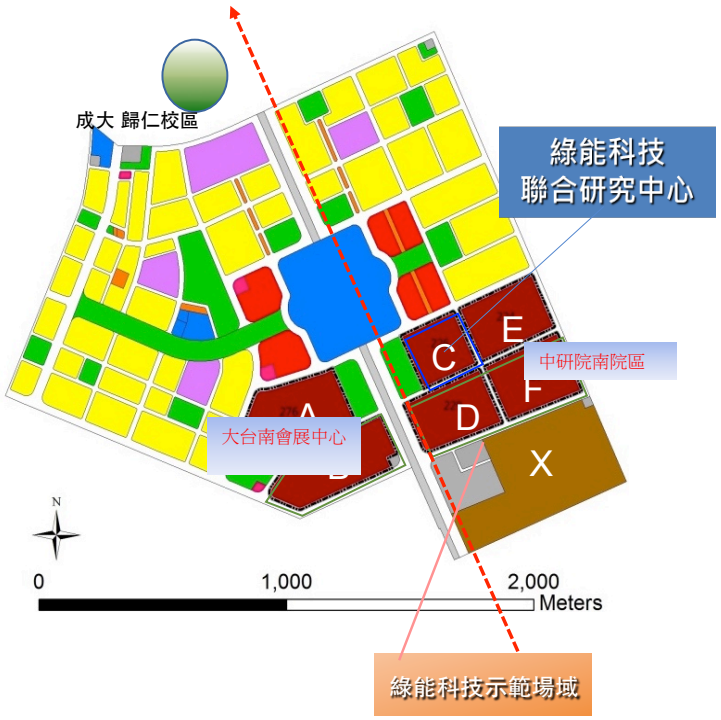


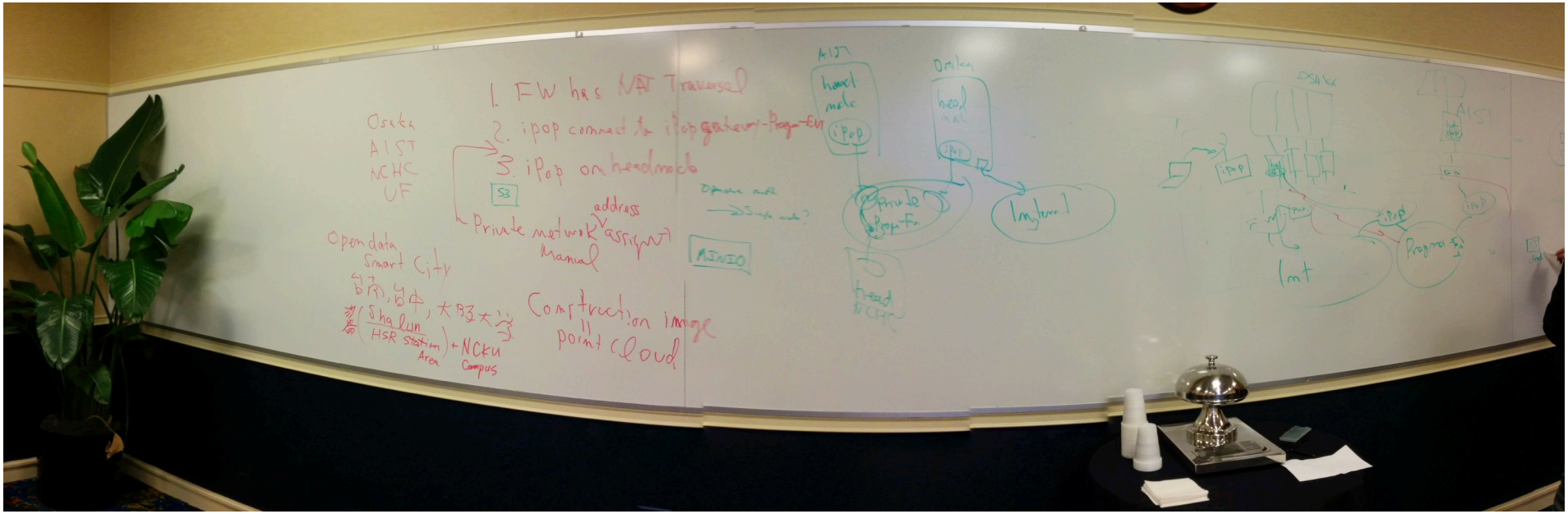
Shalun Green Energy Science Village (沙崙綠能科學城)

The Green Living Facilities — The HSR residential Area 298.93 ha

Providing Functions:

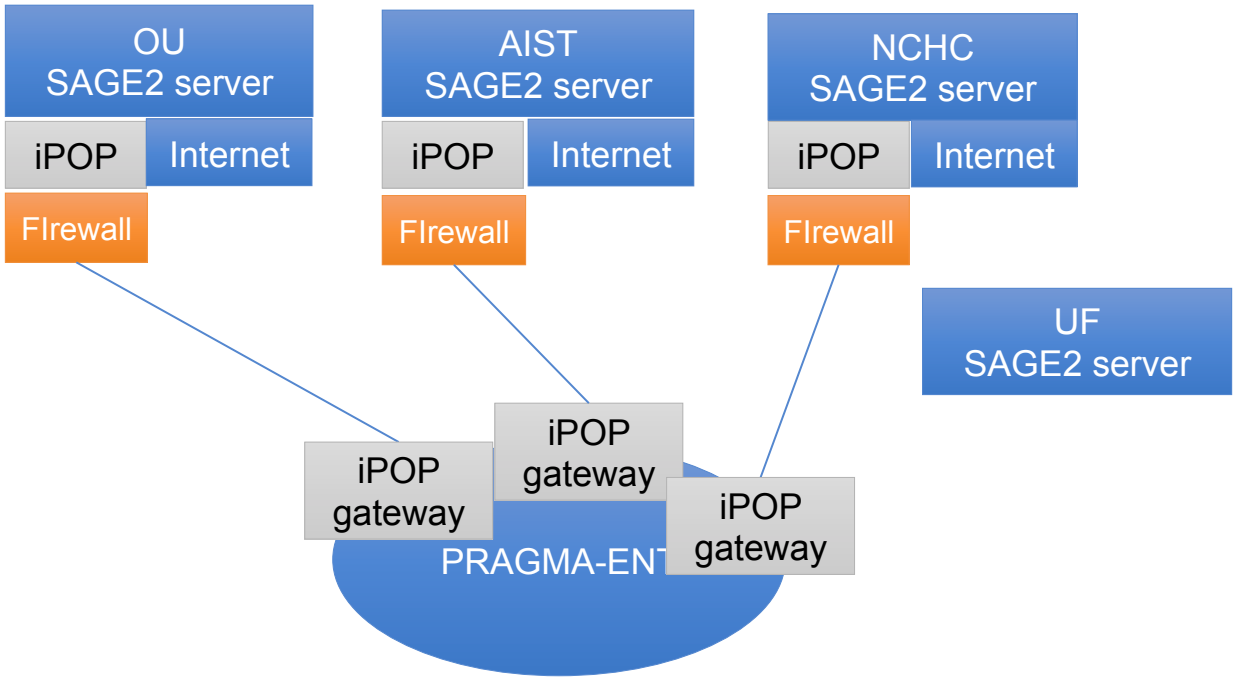
- Living facilities & Tainan Transportation HSR Main Gate
- Green and Smart connected community --Energy ICT, IoT
- Local culture, local participation and local ecology system
- Green building, Green transportation and land use control




1. FW has NAT Traversal
2. ipop connect to iPop gateway-Progr-Fn
3. iPop on headmode
Osaka
AIST
NCHC
UF
S3
Private network assignment
address
Manual
Open data
Smart City
Construction image
point cloud
Shalun
HSR Station
Area
NCKU
Campus
MINIO
AIST
head
mode
iPop
Osaka
head
mode
iPop
Private
Progr-Fn
Instant
head
NCHC
OSAKA
AIST
iPop
Int
Progr-Fn

Discussion

- synchronous data visualization on multi window on sage2
  - Jason Leigh has prototype
- How to connect sage2 on the network ?
  - Use IPOP and pragma-ENT
- Smart city, Green energy: collaboration of urban planning and information technology
  - Open data for 台中、台南、沙崙、大阪大学
  - Use point cloud for visualization



1. Check FW has NAT Traversal capability
2. Assign Private address to IPOP
3. Make shure that IPOP on headnode can connect to IPOP gateway on Pragma-ENT
4. If your browser uses Proxy, set ”do not use Proxy for local private address”