

# Telescience Update

Pragma 34

Yoshiyuki Kido

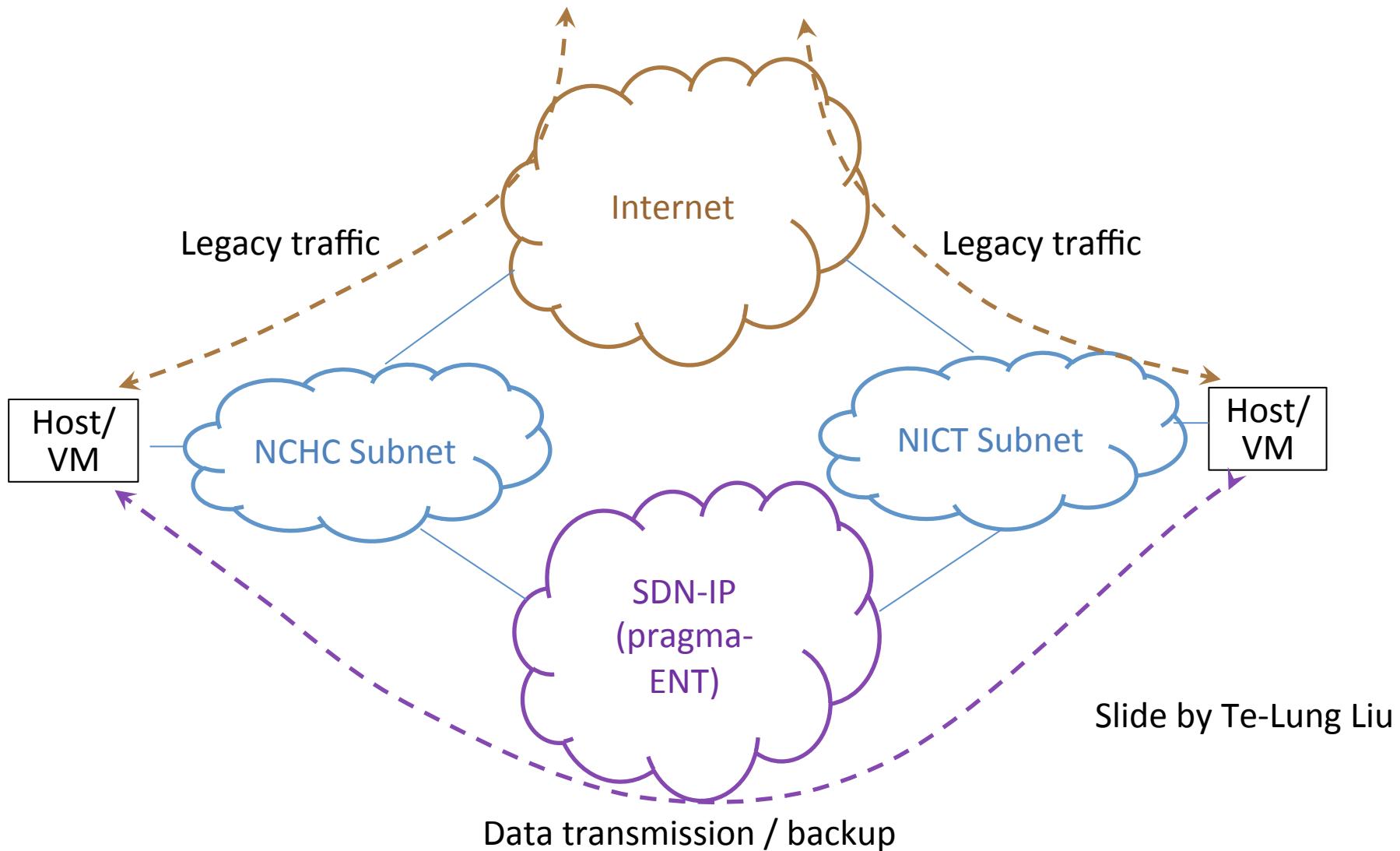
Shinji Shimojo

Fang-Pang Lin

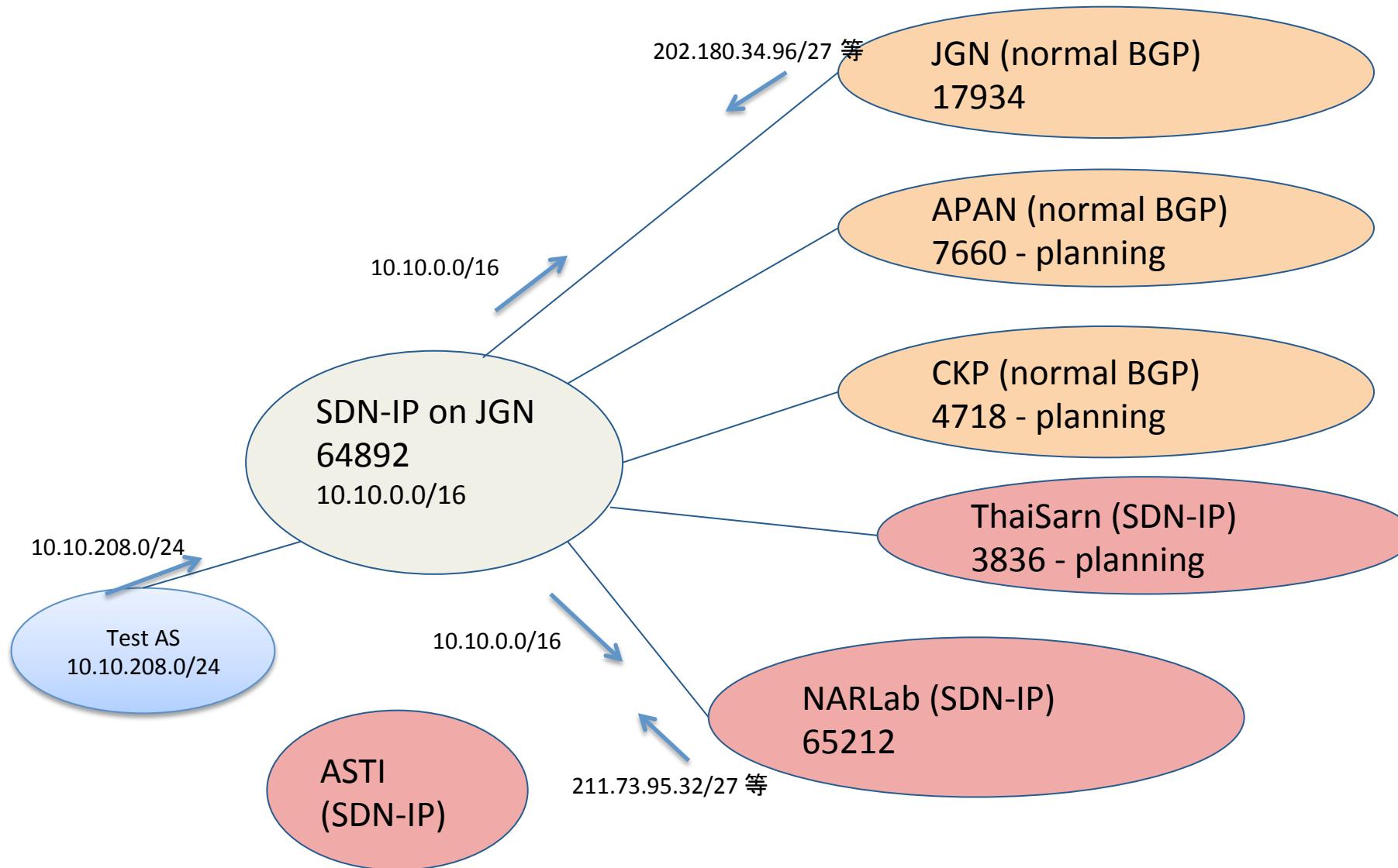
# Telescience Report back at Pragma 33

- We decided to talk with other people on the side and join with resources
  - Kido-san, Jason Haga, Ichikawa-san
- How to connect TD to pragma-ENT
  - Directly connect to pragma-ENT
  - Use iPop and iPop gateway connected to pragma-ENT
  - Use SDN-IP and BGP (Te-Lung and Naomi)
  - There is pros and cons
- New proposal for resources
  - Can NFV environment deploy on pragma-ENT with pragma cluster ? (Sebastian)
    - Pragma Orchestrator
  - Science Platform Virtualization ?

# Plans to connect TD via SDN-IP

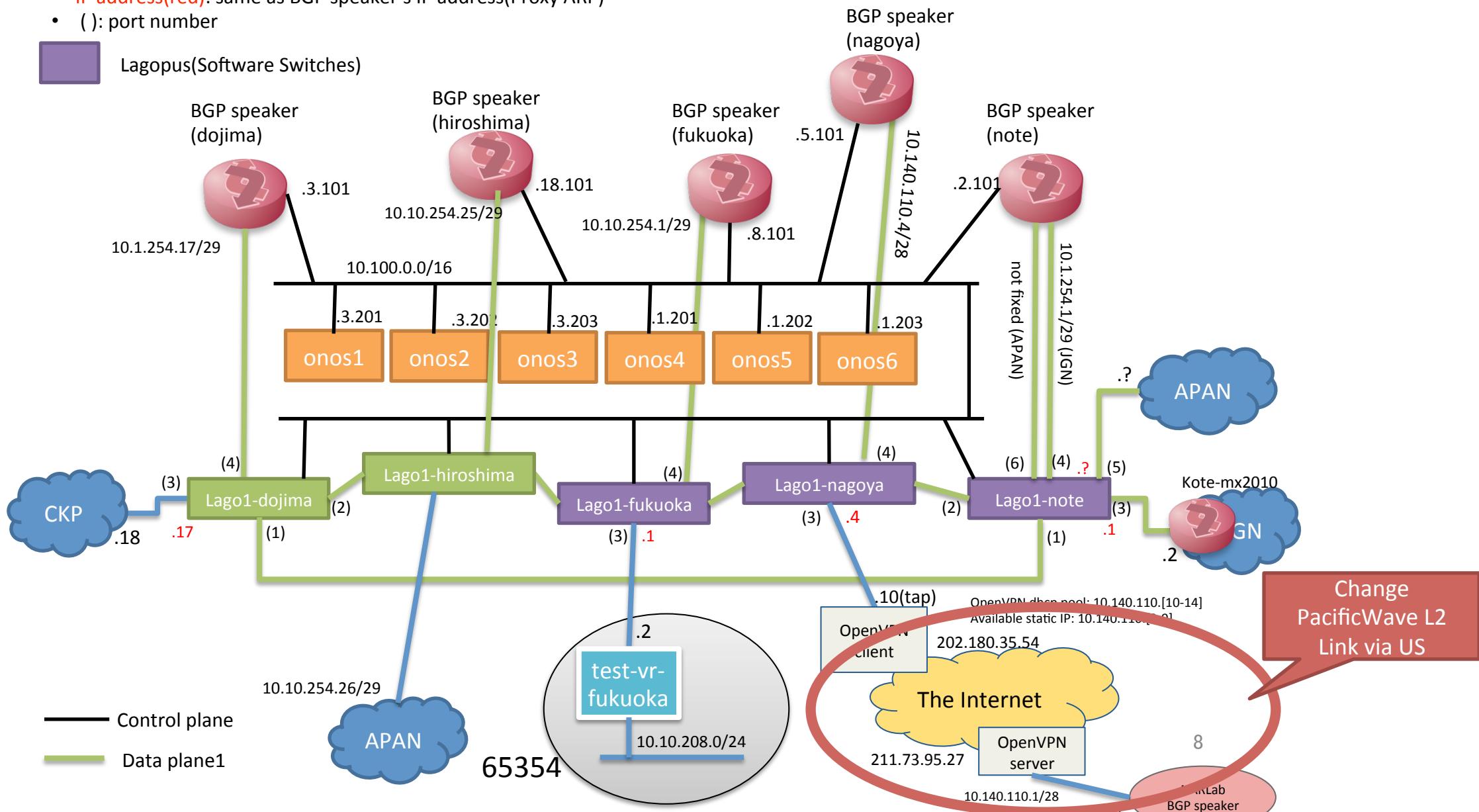


# SDN-IP collaboration overview

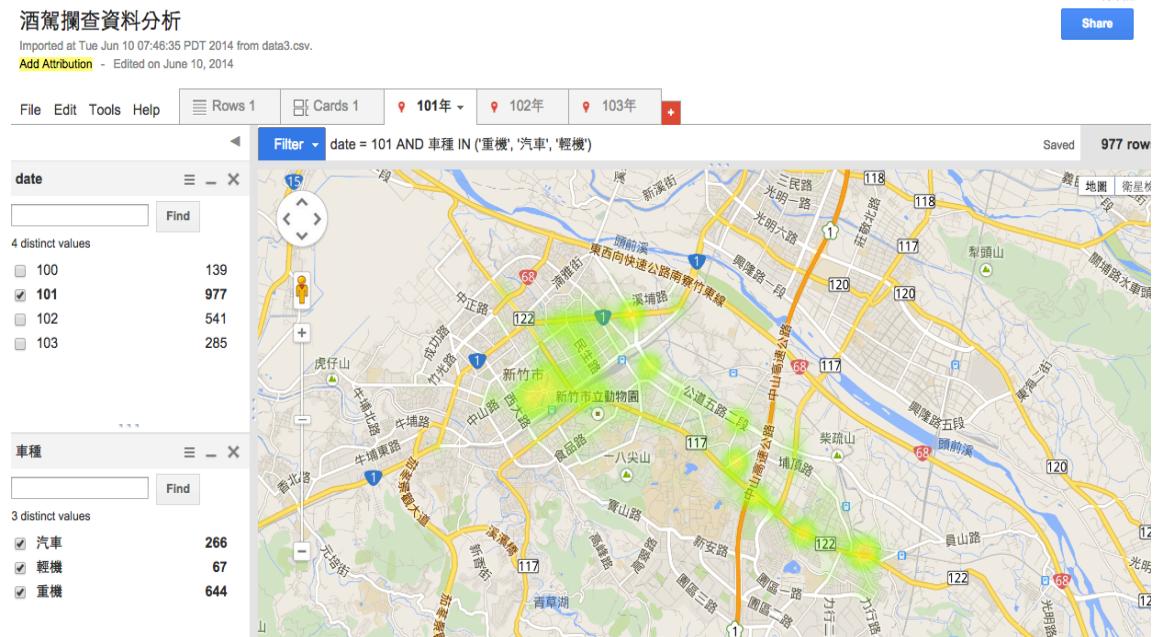
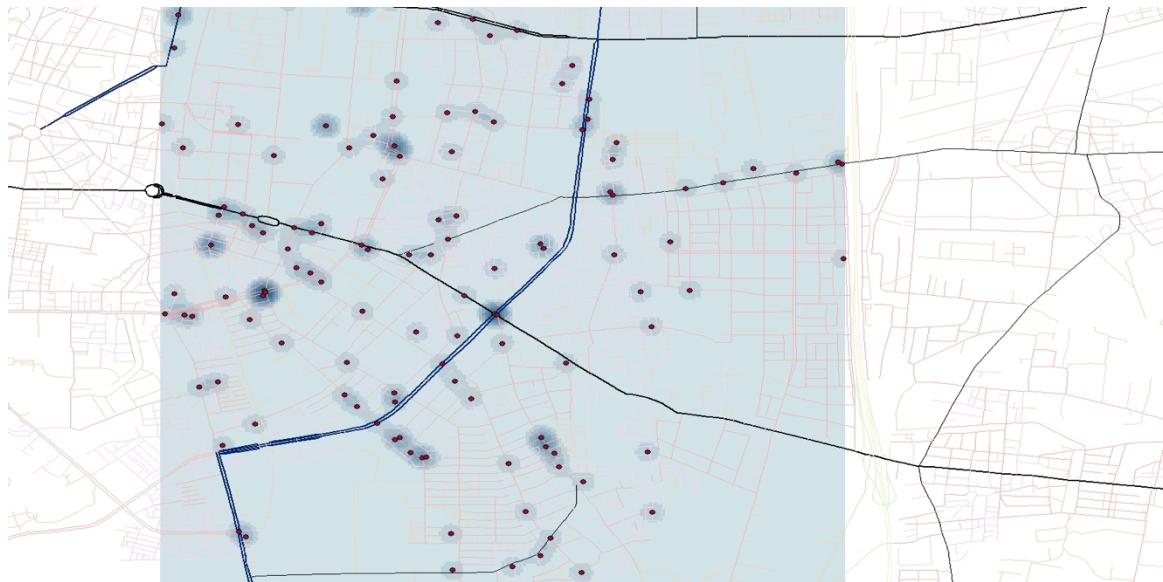


# BGP peering w/o RR (ASN 64892)

- IP address(red): same as BGP speaker's IP address(Proxy ARP)
- ( ): port number



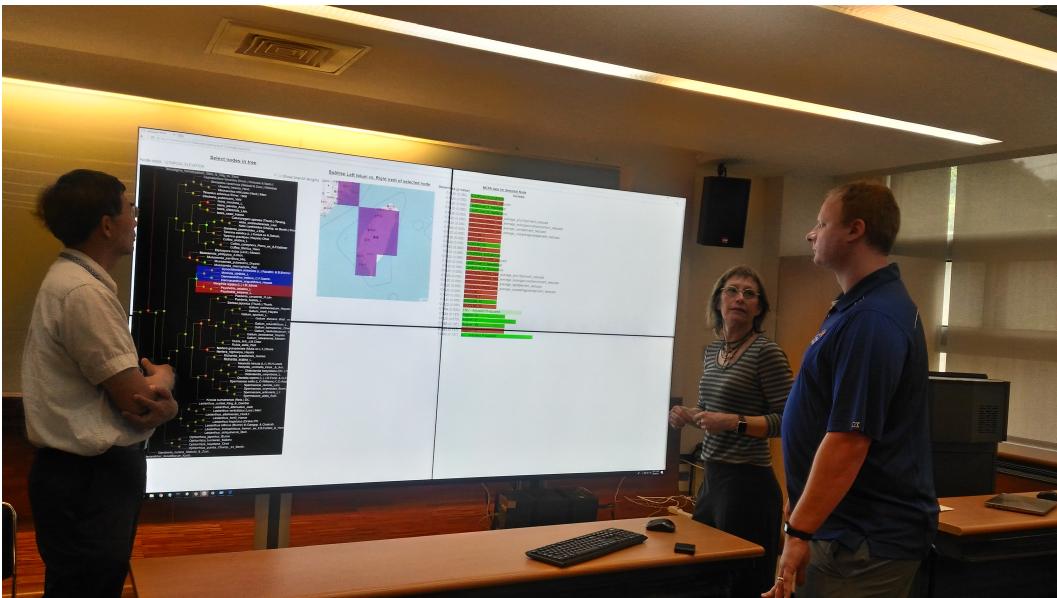
# Flow Analysis on Traffic (incl. data of numerics & images)



Data Analysis of Traffic Accident & Druken driving  
(Future collaboration with Hsinchu City)

Phang Pang Lin

# AR/VR & Tiled Display Wall update



New TDW w/ SAGE2 @ National Museum  
on Marine Sci & Tech (May, 2018)



New data sets of point clouds scanned from the ancient city of Pagan  
(Myanmar) (Feb, 2018)



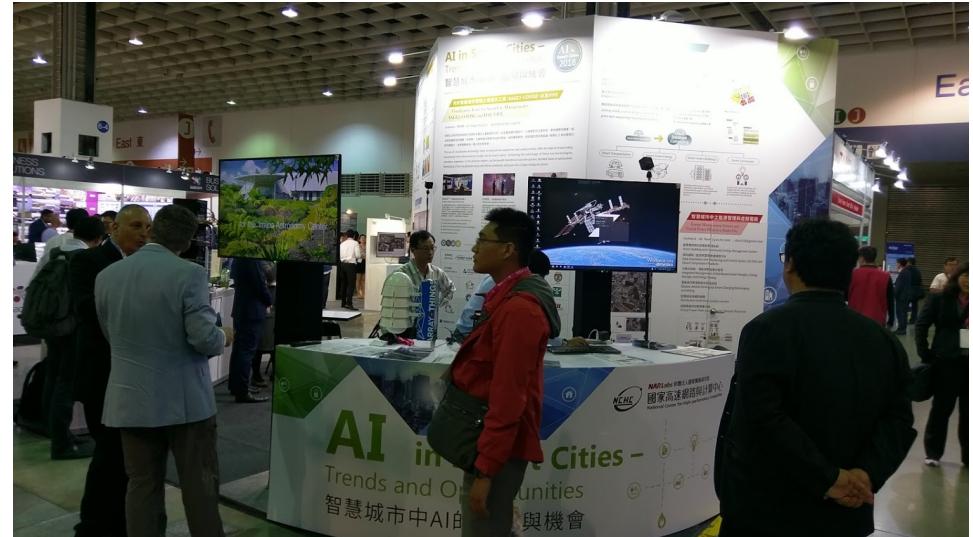
Viz of 3D city scanning (COVISE-based)



Phang Pang Lin

# Workshop & Exhibit @ Smart Cities Summit & Expo, Taipei

27-30, March, 2018



## Technology & Applications on

1. Big Data Desktop Node (Whey-Fone)
2. AR/VR for Cities Pollution Simulation & Planning for Citizen Communication (Hsing-Hung, Uwe)
3. AOT Technology (Charles)
4. Smart Grid Technology (Horng-Jer)
5. Green Energy Park Planning (Yen-Jung)
6. City Scale Monitoring (Taichung City)
7. General Applications of AI (Taiwan AI Lab)  
(<https://event.nchc.org.tw/2018/SmartCitiesAI/>)



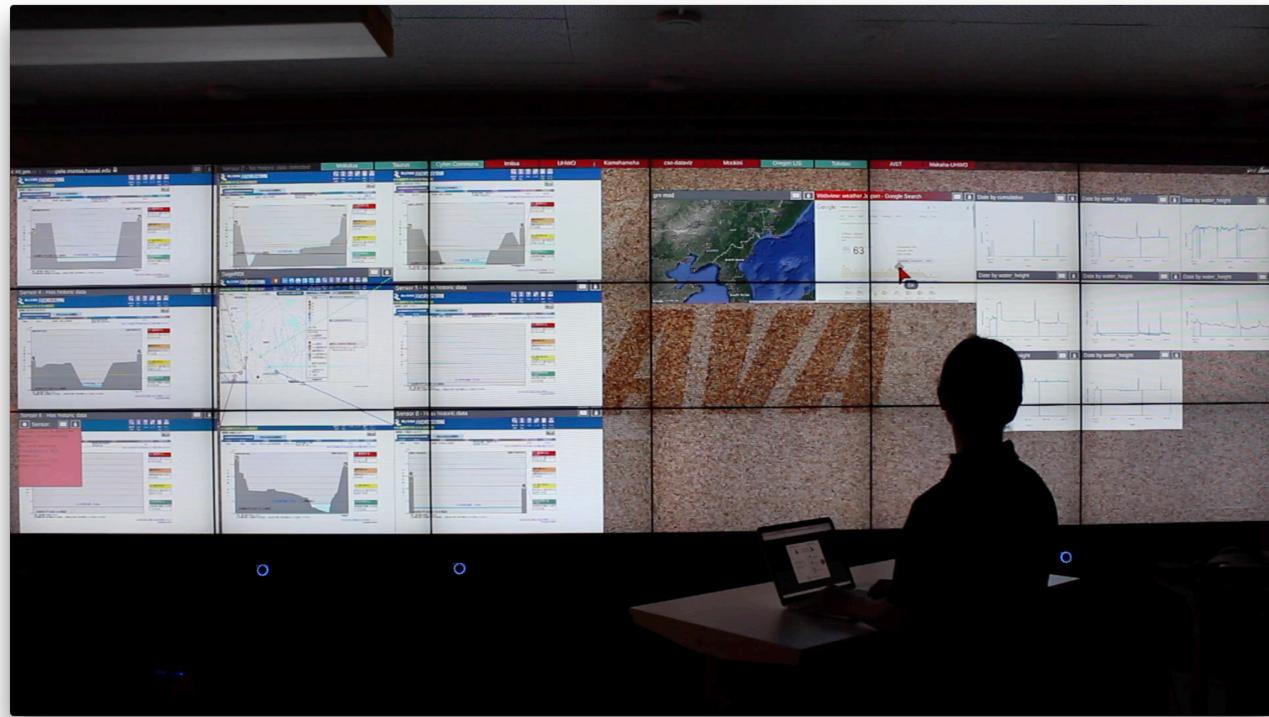
Ryosuke Nakamura,AIST

Charles Catlett, ANL

Phang Pang Lin

# Sage RDI

- AIST-LAVA collaboration
  - Dylan Kobayashi
  - Summer internship 2017 @ AIST
- Decision support for natural disasters (river flooding)
  - A step toward a “smart” SAGE2
- New SAGE2 features:
  - Linked visualizations
  - Voice commands



Jason Haga