

An aerial photograph of a coastal city, likely San Francisco, showing a mix of urban buildings and green spaces. A prominent feature is a steep, rocky cliff that drops down to the ocean. The city is built on a hillside, with various buildings and trees visible. The ocean is a deep blue, and the sky is clear.

Telescience WG

PRAGMA 18

Shinji Shimojo
Fang-Pang Lin

- **Core Value**
 - **Sensor network technology**
 - **Visualization of Contents & Streaming Video**
 - **Diversity**
- **Opportunities for collaboration**
 - **Sensor Network in Urban Public Infrastructure**(Karpjoo, Kato)
 - **E-Heritage** (Kadobayashi, fang-pang, Kunwon)
 - **Extend to Global Coral Reef Ecological Observatory Network**(fang-pang, Sameer, , Joe)
 - **Education** (Shinji, David, Fang-pang, Russel)
 - **Microscope** (Shinji, David, Russel)

- **Join SC09 DEMO**
 - Interactive TDW for Cultural Heritage
 - GeoScience with Live E!
- **Future Opportunity**
 - C^5 conference & SEAIP09
 - **GLEON&CLEON&Urban monitoring joint workshop with PRAGMA 18**
- For next Pragma
 - Extended Global CREON&GLEON&Urban Monitoring
 - Virulialized Optiportal (Chikama)
- **Further issues**
 - **Green ICT**

Interactive TDW System for Exploring Renaissance Paintings



Live HD Streaming (Tokyo
<-> Portland) and
TeraHerz analysis

Mobile Phone UI

e-Heritage from National Place Musium is shown on TDW

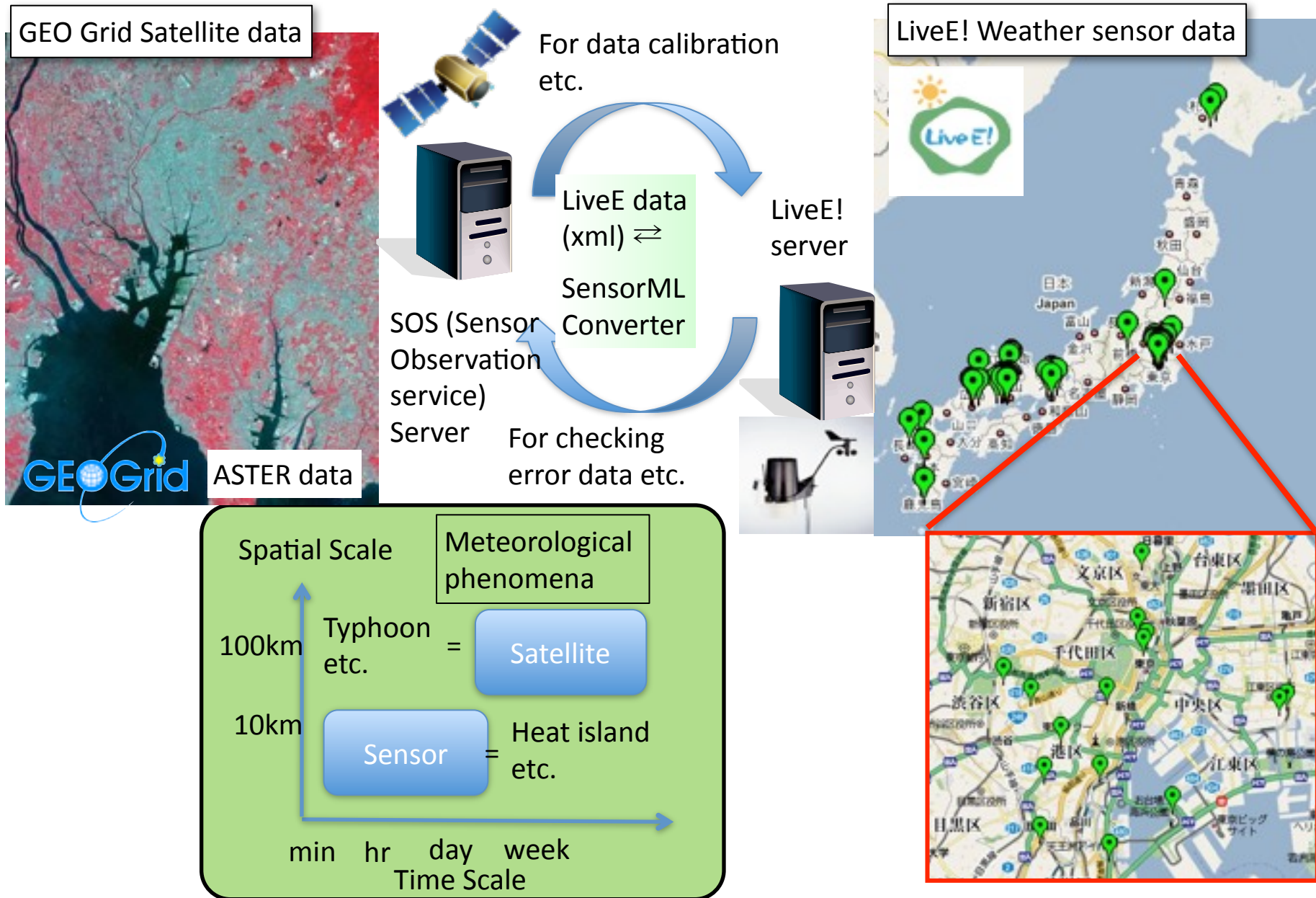


Collaboration with National Palace Musium in Taiwan.



Manipulation with iPhone.

Fusion of Satellite and Weather Sensor Data



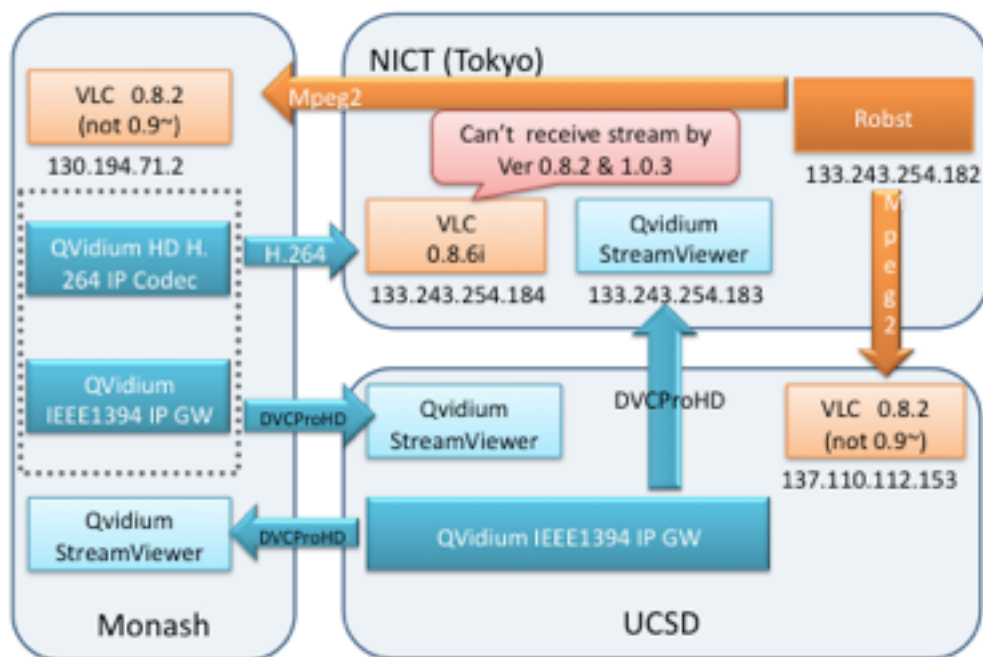
Recent Murpa Seminar



2/25/2010 MURPA Seminar System Map

2/25/2010 rev.01

Editor: Yoshinori Kobayashi



2010/2/25



SEAIP 2009 & PRAGMA Institute @ Taichung





2010-01-02 11:10:28



Memory Disc of SEAIIP09/PRAGMA Inst. @ Huisun Experimental Forest

Who signed: Uwe, Concetto, Anh, David Tan, Y.Soh, Mullica, Krisa, Grace, Manu, ART, FP, CHU, WF, ML, Karen, Yun (Claire), Tong, M (Hsiumei) and ihow

Presentations (under consideration)

- *TDW & Visualization (day1)*
 - *A Control Mechanism of Multiple Visualization Applications on SAGE-enabled TDW*
 - *I-TDW: Interactive Tiled Display Wall (Masaki Chikama, Rieko Kadobayashiy, Kaori Fukunagaz and Sinji Shimojo)*
 - *ViewDock TDW: Rapid Visualization of Virtual Screening Results*
 - *MURPA PROJECTS (Andrew Paterson, Jonathon McClure, Ben Mooney)*
 - *Applying Marching Cubes to Silhouette Scanners (Sasha Koruga)*
 - *Visualization and Collaboration environment for High End Applications on Virtual Reality (Kun Won Cho, et. al)*
- *environmental monitoring (day2)*
 - *Update of Development of Long Term Underwater Observatories at Taiwan and Plan for New Knowledge from CREON*
 - *Heat Loss from Street Canyons*
 - *Investigation of Urban Land Use Change and Anthropogenic Heat Effect on Temperature Change by WRF Model in Guangzhou-Shenzhen, South China*
 - *Open Source Data Turbine Initiative in Undergraduate Research*

Discussion on common infrastructure, virtualized optiportal

Charges

- What are the problems ?
- What can we do to solve those problems collaboratively ?
- Let us make visualization laboratories
 - networking of HD, 2D, 3D and more.
- If we could find a solution, let us show it in next occasion like PRAGMA 19 or SCI10.

get greener