GeoCloud in "Project for Nurturing New Industries in ASEAN and Japan"

Work together to upgrade information sharing!



Informatix inc.

- Founded 1981
- Over 35 years in spatial information business in Japan.
- Developer of Spatial Information software
 & solutions. (GIS, CAD, CG)
- 3 offices, HQ Kawasaki, Osaka, Nagoya.
- > 145 engineers out of 195 employees.
- Business to the governmental organizations and LGUs in Japan.







Kawasaki HQ, Kanagawa

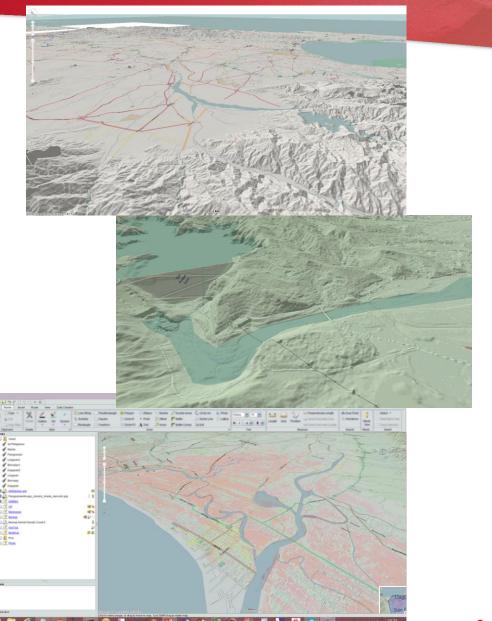


Informatix's Software Product

GEO CLOUD

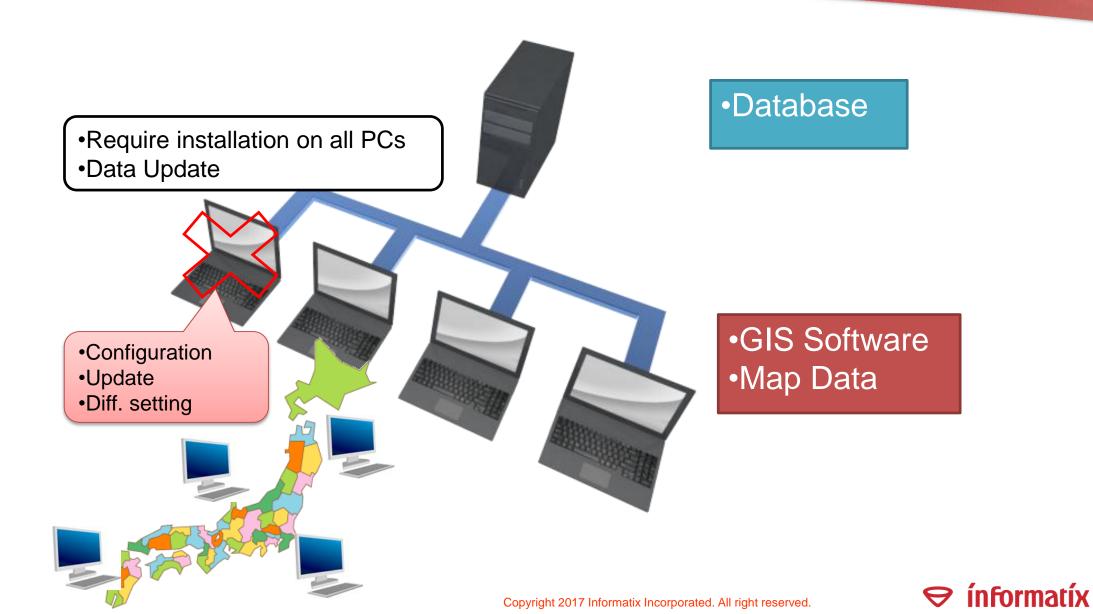
Our Reliable GIS Software

- **■**Sharable
- **■**Easy Operation
- ■Powerful (Professional)
- **■**Convenient

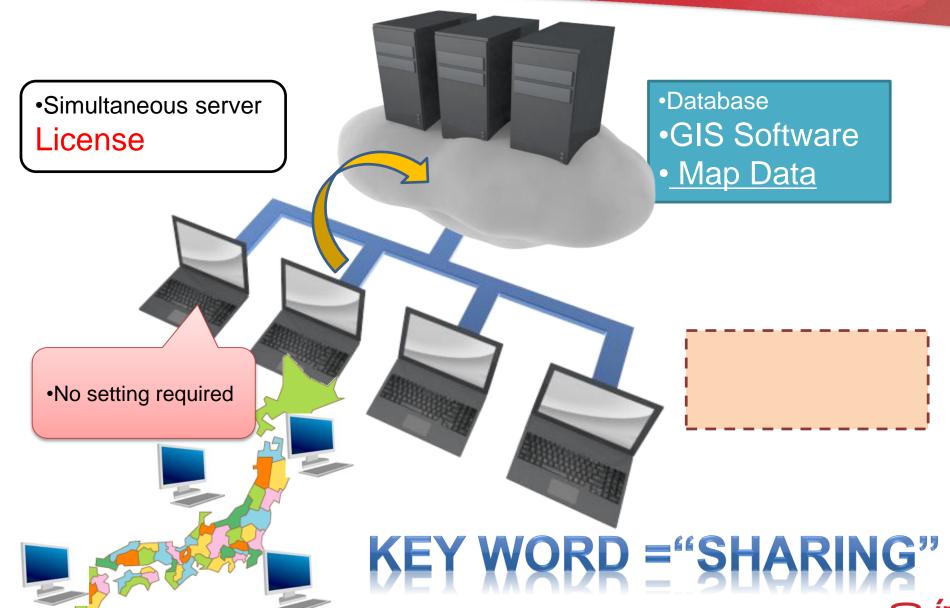




Why people choose Cloud GIS?



Why people choose Cloud GIS?



What are differences from portal map service?

Selection of Maps in International Disputes

- You can select background map
- Border lines
- Names of rivers, the sea, islands... in those area

Ambiguous Service Continuity

- Cannot to make long term contract
- Sudden termination or change service rules
- Free in disclosed system, but indeed very expensive in Closed system.

Security

Difficulty to upload confidential data to the portal server

Luck of GIS Functionality

- Limitation of functions as commercial GIS
 - Can hold small number of geometries
 - Adding limited GIS dataset
- Small support

In GEOCULE Cloud GIS Service,

-Selection of your favorite Background map -Editable

-Clear Service and Price

-Allow to overlay local dataset in your PC

-Satisfactory functionality even in the cloud environment -Warm support of PhilNITS



Project Summary

◆ Project Title:

"The Verification of Geographic Information System (GIS) for Cloud Computing."

◆ Summary:

Basic Policies

- 1. Establishment of useful service for the Philippines.
- 2. Verification of Cloud GIS service upgrade the presence of Japan.

What to do

- 1. To build Cloud GIS service environment.
- 2. To make survey Demonstration in 2 monitoring organizations.
- 3. Researching availability of digital maps, ICT/ Mapping regulations, network, web-adds., competitors.
- 4. Business Planning.

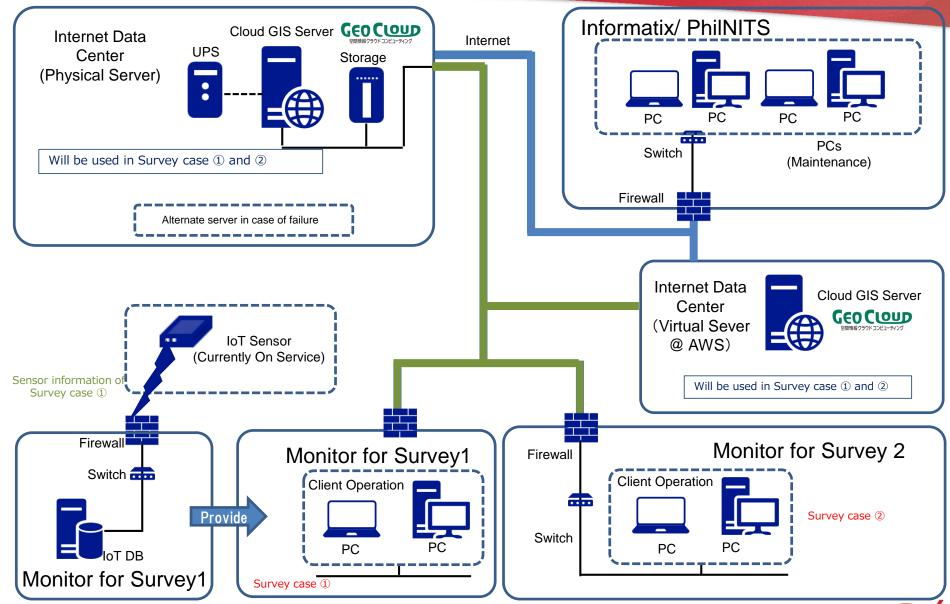


Outputs & Outcomes Expected

- ➤ Provide service contents reflecting the technical and social environment of the Philippines.
- ➤ Support to update "work efficiency" and "cost reduction" owing to the unified management of scattered data.
- Promotion of information sharing within one or multiple organizations that introduce GC Cloud Service.

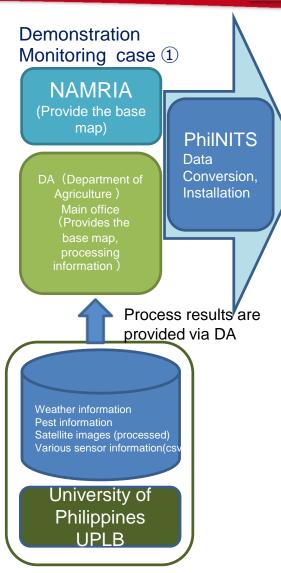


Configuration

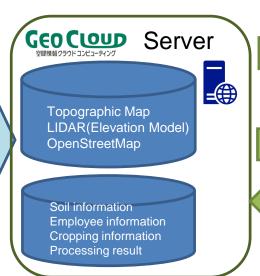


Survey 1

Image VTR



The satellite image processing is performed at intervals of two weeks (not the task in this project)



DA(Department of Agriculture)

Main Office

Sharing info in GC

Feedback

- · Pest information
- · Crop conditions
- Market information

DA(Department of Agriculture) Regional Office (RO)

On-site guidance/advice based on information (performed by field Officer of regional office)

Guidance/ Advice

Farmers

*For small and medium-sized farms



- Map information
- Information based on sensor information
 Weather information
 Soil information, etc.
- Crop conditions
- · Pest information, etc.



Survey 2

PhiINITS

Conversion,

Installation

Data





NAMRIA

(Provide the base map)

Obtain a commercial map

Sta. Maria MDRRMO

Evacuation Sites
Evacuation Routes
Simple flood forecast
Hazardous places
Others

Disaster information is input by MDRRMO staff

GEOCUUD Server ^{空間機報のラウトコンピューティング}

Topographic Map LIDAR(Elevation Model) Commercial map (Roadbased) OpenStreetMap

Evacuation Sites
Evacuation Routes
Simple flood forecast
Hazardous places
Others

Sharing info in GC

Sta. Maria Municipal Office

In advance, review the evacuation sites and routes in case of emergency based on below;

- Provided base map
- Disaster information that was input

Provide information

=

Residents



- Evacuation Routes
- Information about hazardous places, etc.





Examples



Members

Partner: PhilNITS Corporation (the Philippines)

Consulting: CTI Engineering International (Japan)

Academic University of the Philippines (the Philippines)

Support: The University of Electro-Communications (Japan)

