GIS DATA SHARING SYSTEM

X

FIELDNAUT

Explore the Field, Data in Your Hand

http://www.jspacesystems.or.jp/en_
GDSSxF

**GIS DATA SHARING SYSTEM**
- New service since May, 2015
- We provide solutions for users purposes
- **Features**
  - Simple Mechanism: 1 PC can be a server
  - Simple Operation: Not a specialist? Don’t worry!
  - Simple User Interface: Easy to upload/download data
  - Simple to Share: Not only satellite data but also users’ GIS data
- We develop through capacity building programs for satellite data utilities all over the world!

**FIELDNAUT, an Android App for Field Survey**
- FIELDNAUT = a Field Explorer as Like an Astronaut
- New App Released in September, 2016
- We have proudly released as GDSSxF
- →FIELDNAUT will be provided as a part of GDSS
- GDSSxF = GIS DATA SHARING SYSTEM x FIELDNAUT
- **Features**
  - Easy to bring Satellite Data Images to your fields
  - Easy to take GPS, photos, videos & notes
  - Easy to use FIELDNAUT without network
  - Easy to share your field data via GDSS

**Monitoring Amazon in Peru 2015**
- **77 national parks** in Peru, & SERNANP which is a park office under the Peruvian ministry named MINAM.
- In each SERNANP office, **few members maintain huge area** as Tokyo Metropolitan
- **Illegal deforestation, illegal mining**, land development, etc. are serious problems for the Peruvian national parks.
- MINAM wants to collect data from SERNANP & to strength monitoring each national park.
- We visited & developed GDSS in Tambopata National Reserve since December 2014.
- We also provided a training programs about field survey & satellite data utilities for the local officers

**REDD+ Project in Indonesia 2015**
- Farmers make corn by slash & burn in Boalemo, Indonesia
- They slash every tree on each mountain & burn, & they plow corn fields there
- →Huge amount of green house gas (CO₂) is emitted
- As Solution, Conversion to Cacao from Cone fields.
- We calculate amount of CO₂ emission by area of cacao fields.
- We visited there & installed GDSS as a data sharing tool.
- We also provided a training program for field survey & data calculation.

**Sustainable Mining in Serbia 2016**
- **Mining Sites** in Bor, Serbia was open 1903
- **Serious environmental issues**
- This project is for developing methods of mine waste and water managements & recycle of mine waste products
- We invited Serbian members a training program in Japan, November, 2015 & May, 2016
  - Spectral Measurements
  - GIS Analyses
  - Database Foundation for GIS, etc.
- We installed GDSS, August, 2016

**Pb Contamination in Zambia 2016**
- Lead (Pb) contamination is a serious issue around Kabwe, Zambia.
- This project is for making clear contamination mechanisms & impacts to ecosystems & human beings
- We characterize soil & plants by remote sensing techniques
  - Identifying Pb contamination mechanisms
  - Visualizing health hazards & economic risks
- We collected over 60 samples around Kabwe
- We are analyzing & using them for data classification
- We held Capacity Building @ Univ. of Zambia
  - 3-day training for basic remote sensing &GIS utilization
- We are designing Network System & GDSS

**The satellite data utilities for the local officers**
MINAM wants to collect data from SERNANP & to strength monitoring each national park.

We installed GDSS, August, 2016!

**GDSS Development & Capacity Building in Indonesia**

We held 3-day training for basic remote sensing &GIS utilization.

We are analyzing & using them for data classification.

**In-Japan Training in May, 2016 & Field Survey in Aug., 2016**

We are designing Network System & GDSS.

We held 3-day training for basic remote sensing &GIS utilization.

We are designing Network System & GDSS.