



# **Spatial Agent**

## Access to Data and Analytical Services in a new world of Disruptive Technology

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**Environment and Natural Resources Global Practice** 



Session: From theory to practice: Demonstration of EO tools for WB operations AWARENESS EVENT: EARTH OBSERVATION FOR SUSTAINABLE AGRICULTURAL DEVELOPMENT September 27, 2018

We have NO data...



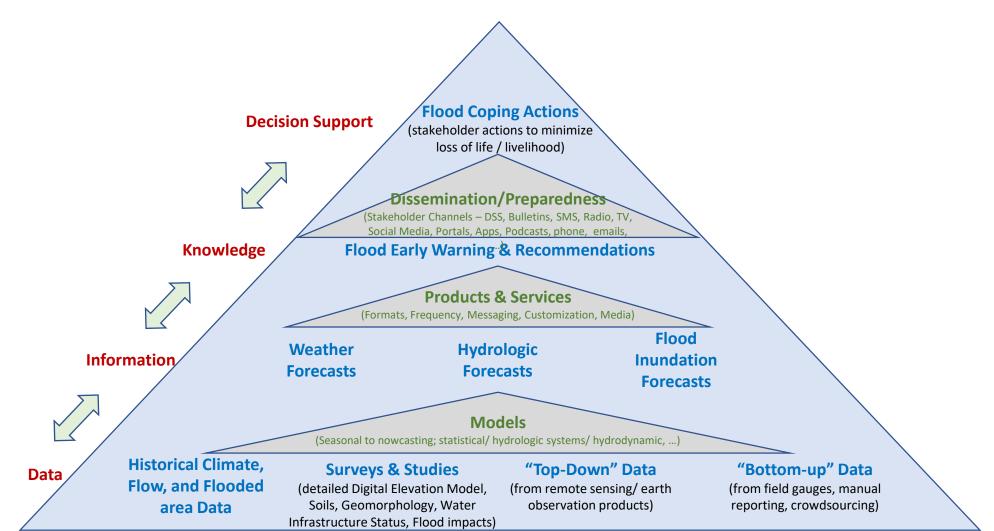
Of course we have data...



Data, data everywhere...



### The Data Value Chain Example: Deciding on Coping with Floods



# A new world of "Disruptive Technology"

#### **Reimagine decision making**

- **Data Collection**: Monitoring/Surveys (in-situ sensors/IoT, Earth Observation, UAVs, crowdsourcing...); Digitization •
- Data Management (telemetry, cloud services, open data, Blockchain, ...)
- **Data Analysis** (Big data, Geospatial/AI/Machine Learning, modeling, script repositories ...) •
- **Data Access** (open data APIs, data visualization, gamification, mixed reality-AR/VR, ...)
- **Outreach:** Platforms/Social Media/Portals/Apps/e-books/Competitions

#### **Reimagine production**

- 3D printing/additive manufacturing
- Automation/Robotics/automated transport
- Advanced materials/nanotech/biotech/distributed energy/green tech...

### **Reimagine interaction**

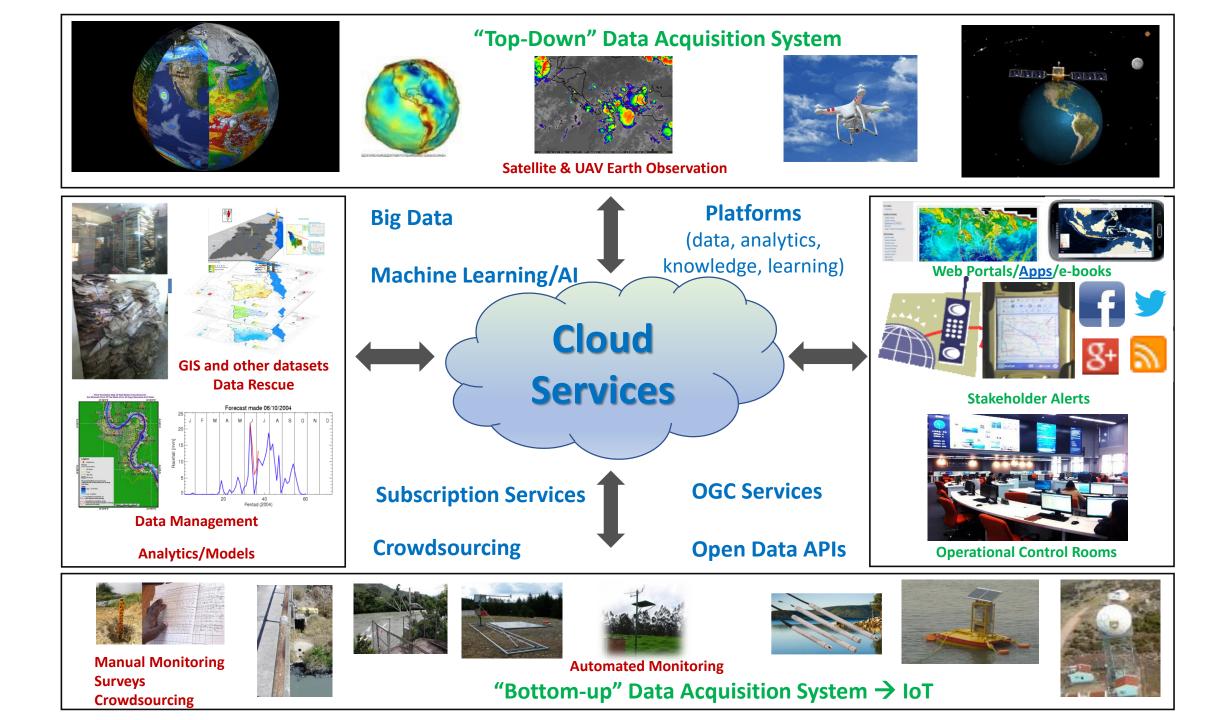
- Crowdsourcing, gamification, competitions (e.g. hackathons, appathons)
- Mobile money, Fintech •
- Maker movement/DIY/Tech Incubators
- Sharing economy







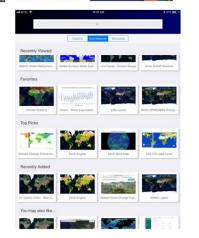




#### Country-Level

Check out global data from WDI, MIT Atlas on Trade, etc. Great interactive maps and charts.





#### Sub-National

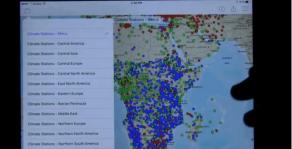
Check out thousands of global datasets from NASA, UN, ESA, GEO, etc. Great interactive tools, including use of the Google Earth Engine API for live cloud computing.



#### Showcase

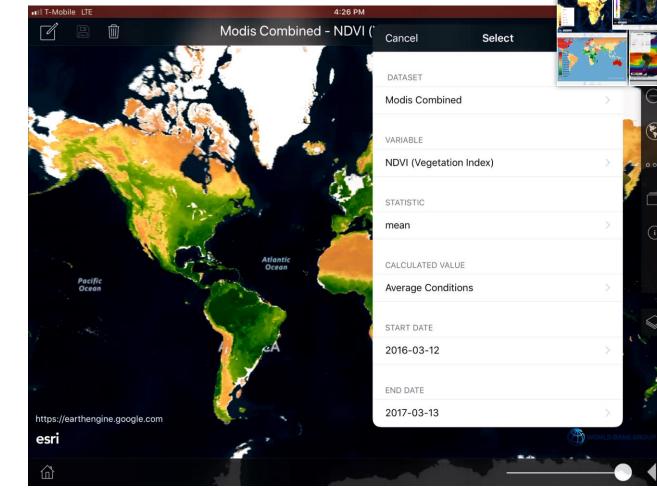
Check out great showcase data on Mekong Delta, Poverty, Forecasts, etc. for selected areas and specialized themes





## **Spatial Agent App**

#### A new world of data and analytics at your fingertips!



- $\Rightarrow$  Geospatial Platform
- $\Rightarrow$  HydroInformatics Platform

Download free from: <u>http://apps.worldbank.org</u> <u>OLC Resource Page</u> and <u>Blog</u> ioS (iPad and iPhone): search "Spatial Agent" on Appstore or from <u>http://apple.co/2eVu5xJ</u> <u>Android Draft version</u> Contact: Nagaraja Rao Harshadeep

