



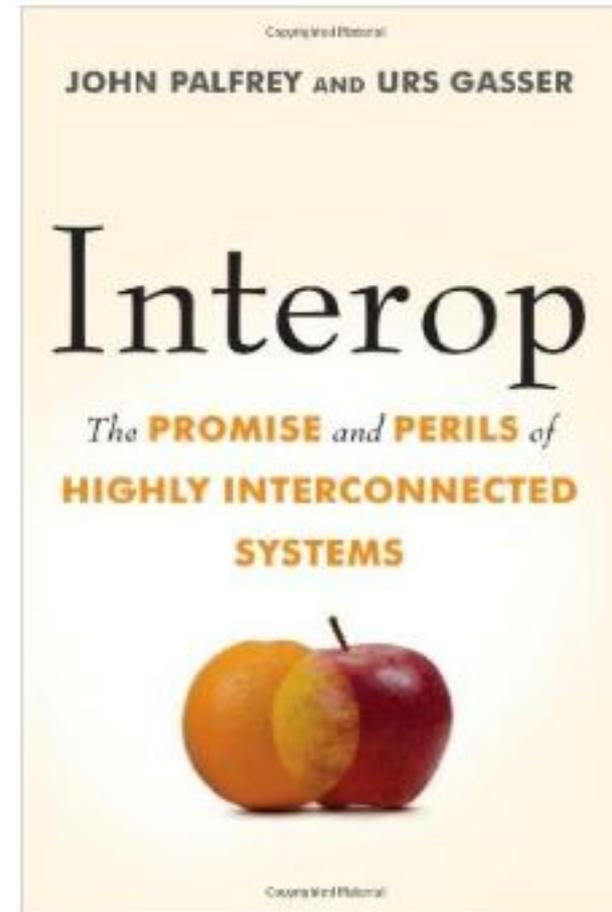
*eye on earth*  
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# Interoperability in Disaster Management: an EoE perspective

Dr. Costis Toregas, GWU

# A good guidebook!

- Data
- Technology
- Institutional
- Human



# Focus on organization

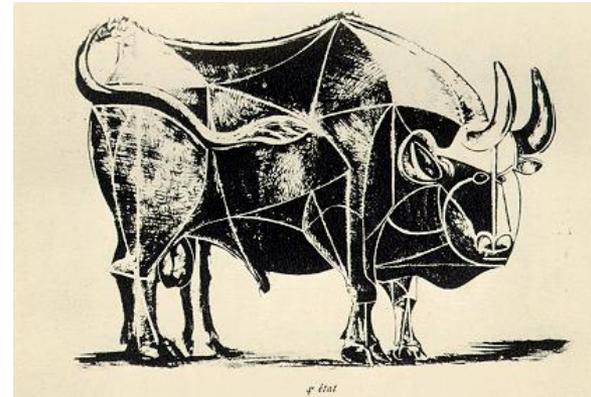
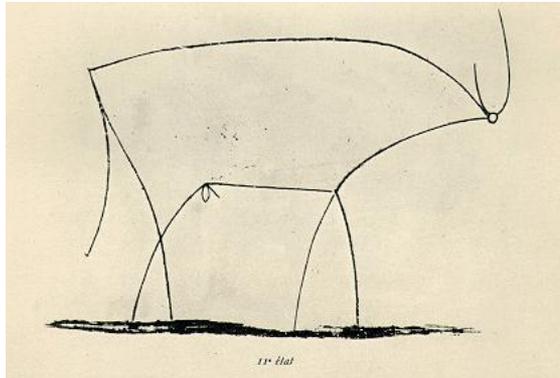


EYE ON EARTH



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# Easy for us, not so easy for many...



# EoE Special Initiatives efforts

- Disaster Management
- Dr. Steeve Ebener [steeve.ebener@gaia-geosystems.org](mailto:steeve.ebener@gaia-geosystems.org)
- Morocco and Philippines projects on Strengthening Information Infrastructure for Emergency Management (SIEM)
- Funded by AGEDI



# The four SIEM principles

1. Countries should be in a position to generate and maintain the core layers of information necessary to support disaster risk reduction and emergency management ;
2. The international community (sensu lato) should support countries in reaching principle 1;
3. An open data policy should be used as much as possible. When this is not possible, agreements allowing access to this data should be signed between the government and all the actors involved in risk reduction and emergency management (including response, recovery and reconstruction) activities;
4. Data collected during the crisis by the international community should be integrated back into the government information system.

# Philippines – few steps ahead

- Green paper describing the situation in terms of availability, quality and accessibility of selected geospatial datasets in the Philippines during the response to Typhon Yolanda/Haiyan <sup>1</sup>
- Joint DSWD-SIEM forum (June 17th, 2014) to discuss the paper and define activities aiming at improving the availability, quality and accessibility of core geospatial data for disaster risk reduction and emergency management (50 participants) <sup>2</sup>

<sup>1</sup> [www.gaia-geosystems.org/PROJECTS/SIEM/PHL/Green\\_Paper\\_DSWD-SIEM\\_305014.pdf](http://www.gaia-geosystems.org/PROJECTS/SIEM/PHL/Green_Paper_DSWD-SIEM_305014.pdf)

<sup>2</sup> [www.gaia-geosystems.org/PROJECTS/SIEM/PHL/Executive\\_summary\\_DSWD-SIEM\\_June\\_2014.pdf](http://www.gaia-geosystems.org/PROJECTS/SIEM/PHL/Executive_summary_DSWD-SIEM_June_2014.pdf)

# Philippines – few steps ahead

6 activities defined during this first forum:

1. Forum to discuss data accessibility including: conflict in data use between intellectual property act and the open data Philippines policy; data accessible with fees; confidentiality;
2. Inter-governmental workshop aiming at defining and agreeing upon geospatial data specifications and standards to improve data compatibility among governmental and non-governmental agencies;
3. Clarify which institution has the mandate over which COD (as per the definition proposed by the participants) and identify if the data (registry and/or GIS layer) is available, of quality and accessible
4. Address the question of availability of data that should be maintained by the LGUs (DILG) potentially through crowd sourcing or other solutions (NDRRMC could be calling this);
5. Project or forum to discuss how to improve the PSGC to make it more information management friendly;
6. Draft policy and guidelines on data sharing proposed to NDRRMC;

# Philippines – recent developments

- Establishment of an Information Management Technical Working Group (IM-TWG)
- Launching of a project (CAFOD-DRRM-PH) umbrella of the Office of the Civil Defense (OCD). for the implementation of the 6 activities defined during last year's forum
- The four SIEM principles have been proposed for inclusion in the Implementing Rules and Regulations of Republic Act 10121

# Philippines - Next steps: two workshops

- The first one to agree on geospatial and other standards among NDRRMC members (July 10<sup>th</sup>, 2015)
- The second one to finalize the list of CODs and FODs and agree on which institution is having an official mandate on each of them (July 16<sup>th</sup>, 2015)

# Morocco - Getting started

- The first SIIEM workshop co-organized in partnership with the National Institute of Planning and Urbanism (INAU) took place in Rabat on June 9<sup>th</sup>, 2015
- It brought together 37 participants from 26 different governmental, international (UN and other NGOs) and academic institutions
- Workshop discussed the availability, quality and accessibility of five selected core geospatial datasets in the country.

# Outcome: Pilot project (Province to be defined)

- Identify the Common Operational Datasets (CODs, as defined during the workshop) the country needs to support disaster risk reduction and emergency management;
- Identify the official producers of CODs in Morocco;
- Address the question of the norms and standards to ensure compatibility of geospatial data;
- Restore trust and promote voluntarism among institutions regarding data sharing

# Morocco - How to create trust

1. Creation of a national metadata catalog (could potentially be achieved through the open data website of the Moroccan Administration);
2. Establishment of a data sharing network;
3. Explore the possibility to simplify data acquisition processes.
4. Strengthen quality control, relevance and usefulness of data through, for example, the creation of a data collection protocol

# Morocco - Institutionalize what has been implemented

1. The preparation of a policy that would formally award the mandate for each data set and encourage partners to share data;
2. The strengthening of national agencies' technical capacities.

➔ Benefits from the process being implemented in the Philippines

# Sharing and collaboration through the EoE Network



# Funding cycles through Fiche creation, selection and implementation

## Eye on Earth Special Initiative project concept

### Project name: Strengthening Information Infrastructure for Emergency Management (SIIEM) - Phase II

Date: March 3rd, 2015

<b>Special Initiative(s) involved:</b> Disaster Management Special Initiative, and GNON, CSR and A4A as the project unfolds
<b>Country or countries participating:</b> Morocco, Philippines and two additional countries to be determined through a selection process.
<b>Geographical impact and beneficiaries of the project:</b> The principles and framework developed and implemented in the context of the SIIEM project can be applied in any part of the World. The direct beneficiaries are the population affected by disasters in the countries that are being covered.
<b>Name of lead agency:</b> Gaia GeoSystems
<b>Name(s) of partner agencies:</b> Department of Social Welfare and Development of the Government of the Philippines (DSWD); Ministry of Urbanism and Land Management of Morocco; GIS4DS, Morocco; University of Ibnou Zohr, Agadir, Morocco; UN Office for the Coordination of Human Affairs (OCHA); Association of American Geographers; Justice&Environment; Other EyE SIs (CSR, A4A, GNON) and other partners to be identified during the 2015 EyE Summit.
<b>Project vision/ goals:</b> Improve the availability, quality and accessibility of the Core Operational Datasets (CODs) necessary to support disaster risk reduction and emergency management in countries through the implementation of 4 principles: <ol style="list-style-type: none"><li>1. Countries should be in a position to generate and maintain the core layers of information necessary to support disaster risk reduction and emergency management ;</li><li>2. The international community (sensu lato) should support countries in reaching principle 1;</li><li>3. An open data policy should be used as much as possible. When this is not possible, agreements</li></ol>

# Reminder: Eye on Earth Vision & Mission

## **Eye on Earth Vision**

- A world where environmental and associated social and economic information, combined with citizen engagement, improves decisions leading to sustainable development.

## **Eye on Earth Mission Statement**

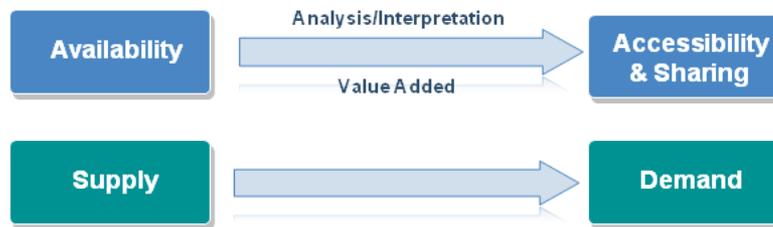
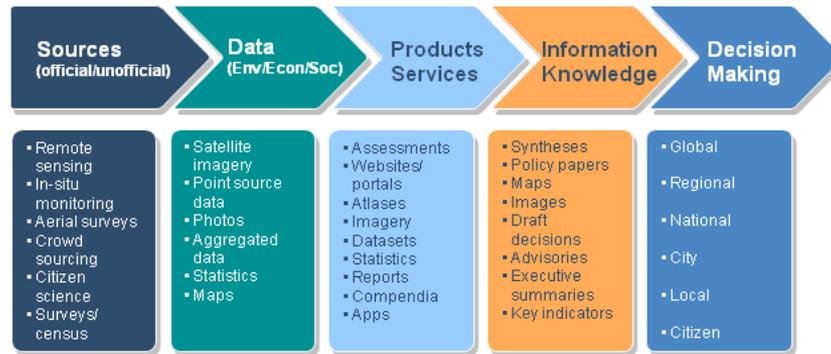
- Eye on Earth networks and builds capacity across diverse knowledge communities to improve decision-making for sustainable development.

# October 7-9, 2015 Summit in Abu Dhabi

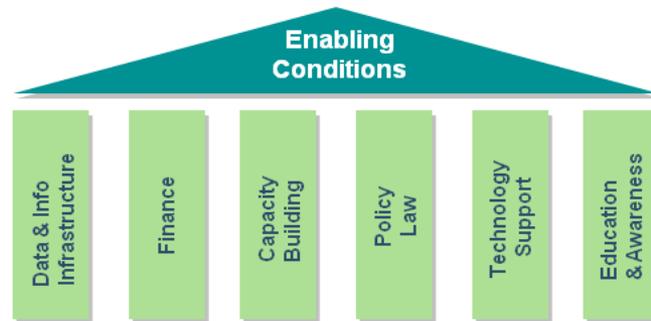
Tagline: Informed decision making for sustainable development

- Data Demand
- Data Supply
- Enabling Condition
- [www.eoesummit.org](http://www.eoesummit.org)

# Eye on Earth Conceptual Framework



Scope of the Eye on Earth Summit



Informed Decision-Making for Sustainable Development

# Join us!

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