

Photo Credit: Lim Su Seng/Flickr

URBAN GIS

OPPORTUNITIES FOR POPULATION INSIGHT

World Vision®

Humanitarian & Emergency Affairs
Disaster Management 2020 – Digital & Enabling Technologies



WORLD VISION

HUMANITARIAN & EMERGENCY AFFAIRS

- Child-Focused Disaster Response
- Disaster Management 2020 Strategic Initiative
- Urban and Digital & Enabling Technologies Focus

Photo Credit: Jon Warren
Syria Response



MIDDLE EAST



AFRICA



SOUTH ASIA

URBAN: 2030

FORECAST OF THE FUTURE

- Growth of global middle class, extreme poverty declines
- Rise of “Mega Cities” in Asia and Africa
- Internal migration rates > international migration rates
- Many countries will experience food + water shortages



URBAN: TODAY

2014 POPULATION STATISTICS

- More people live in urban areas than rural
- Megacities have nearly tripled since 1990s
- Large city populations growing (5-10 million inhabitants)
- Nearly half urban population live in “settlements”

Photo Credit: Chris Ford/Flickr



INSIGHTS

POWER OF MAPPING

URBAN POPULATION TRACKING

- Change Over Time
- Statistical Analysis: Forecasts and Vulnerabilities

MONITORING & EVALUATION

- Tracking Impact Over Time

SITE SELECTION

- IDPs
- Infrastructure Projects
- Community Resources

RECOMMENDATIONS

INTRODUCING MAPPING TO YOUR URBAN AFFAIRS

GETTING STARTED WITH SPATIAL ANALYSIS

- Key questions to ask
- Reach out to Volunteer & Technical Communities (VT&Cs)
- Tap into local GIS resources

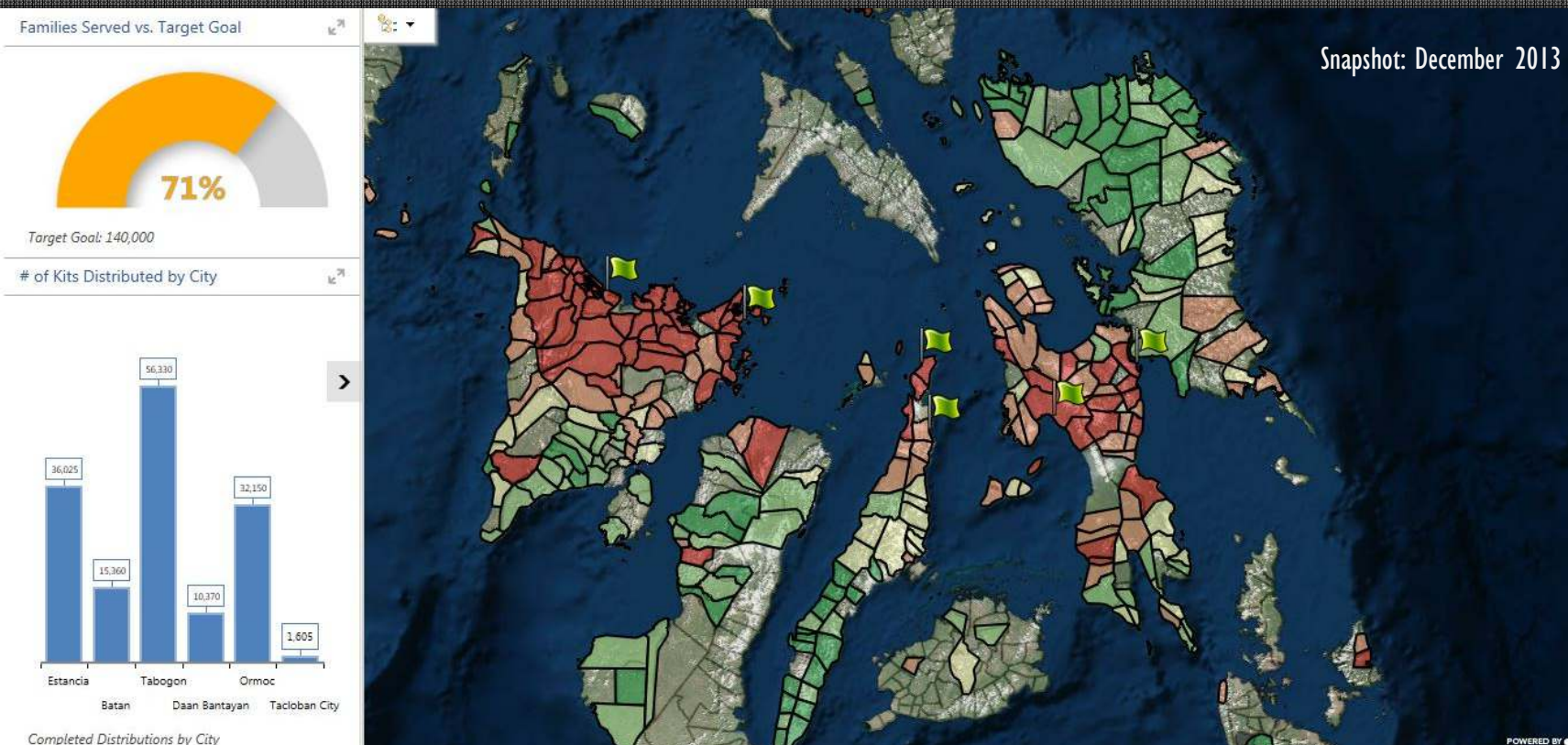
DELVING DEEPER INTO GIS

- Integrate with other forms of data visualization
- Test usability of operational dashboards
- Use applications that can be viewed in unconnected environments

EXAMPLE

DASHBOARD FOR MONITORING & EVALUATION

- Experimented with dashboards for Haiyan response
- Piloting regional project in East Africa
- Developing GIS solutions in Philippines and Syria



RECOMMENDATIONS

(CONTINUED)

FORM PARTNERSHIPS WITH LOCAL GOVERNMENT

- Relationship building key to survival
- Niche: “Here’s Something You Didn’t Know”

EXPLORE CROWDSOURCING INFORMATION

- Platforms: Ushahidi, Humanitarian Open Street Map
- Forecasted Trend: Creating Volunteer Groups

SMART CITIES

EMERGING DATA SOURCES

- Information technology incorporated in all elements of infrastructure
- Real-time monitoring + immediate analysis
- Increased interaction between population and government
- Proliferation of open data portals



Photo Credit: Chris Ford/Flickr

RECOMMENDATIONS

(CONTINUED)

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- Forecasted Trend: Creating Volunteer Groups

EXAMPLE

U.S. DEPARTMENT OF STATE'S "MAPGIVE"

- Corral "digital humanitarians" in a common goal
- Volunteers trace roads, buildings and roads
- Training on how to create maps using OpenStreetMap

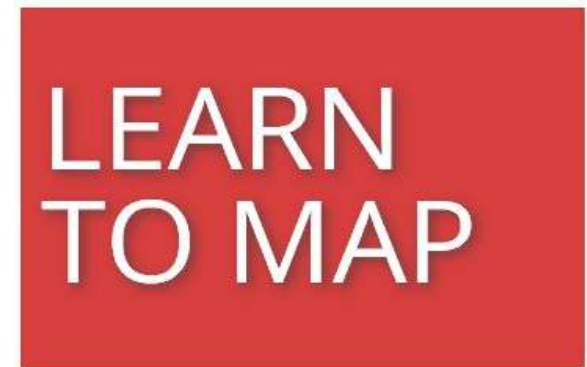
MAP  GIVE
Drawing Our Resources Together

[Why Map?](#) [About Open Mapping](#)

[Learn to Map](#)

You can help. Map any place in the world
even if you've never been there.

Map data is key to humanitarian and development missions. MapGive helps new volunteers learn to map and get involved in online tasks.





Q&A

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