Expert Meeting: Crowdsource Mapping for Preparedness and Emergency Response

Vienna, 3,4,5 December 2012

Tasking OSM-HOT community for data preparedness and getting geo-data for the operational ICRC needs Portfolio

ICRC Yann Rebois

Reminder about ICRC mandate

- The ICRC strives to protect and assist the victims of armed conflict and internal violence

- ICRC helps the victims to reestablish their lives.

- Custodian of the International Humanitarian Law

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GIS for operational needs

Nothing trendy, nothing really new,

no real developments but it is working for preparedness/contingency

plan and daily humanitarian response

Why are we presenting, how we are teaming up with the crowd?

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Reminder about the first initiative

- 2010 Kyrgyzstan activation
- Presented at the first UNSPIDER meeting. It was our first lesson learned. We built on this experience

The proof of concept was tested. We continued and improved !

Setup: who is doing/bringing What ?

Raw image purchased by the ICRC
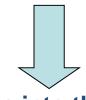
Secured WMS hosted by ITOS/ for OSM mappers

CARL VINSON INSTITUTE OF GOVERNMENT
The University of Georgia.

Digitizers

Agree to share 1 img (time condition and repository)

Ideally:

Walking Paper

Data into the OSM common pool Everybody could use it

ICRC
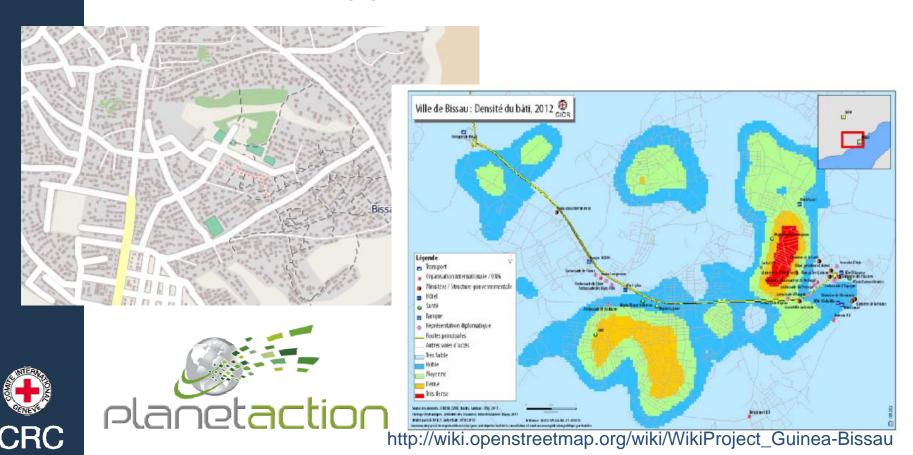
Bissau (Guinea Bissau) 2011

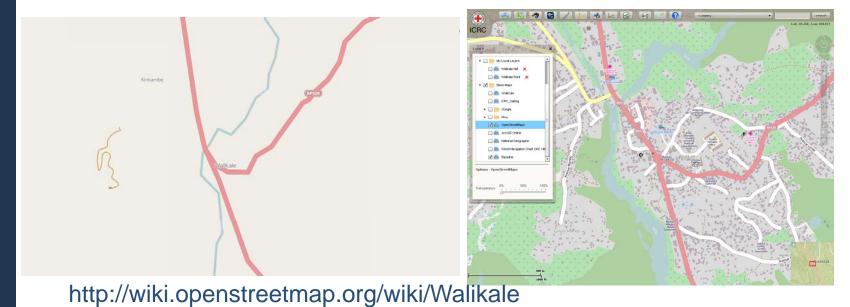- Working on the density for contingency Plan
- With the Support of Planet Action

http://wiki.openstreetmap.org/wiki/WikiProject_Guinea-Bissau

Walikale DRC 03-05-12

Walikale the best and full exercice

From This   to this

http://wiki.openstreetmap.org/wiki/Walikale
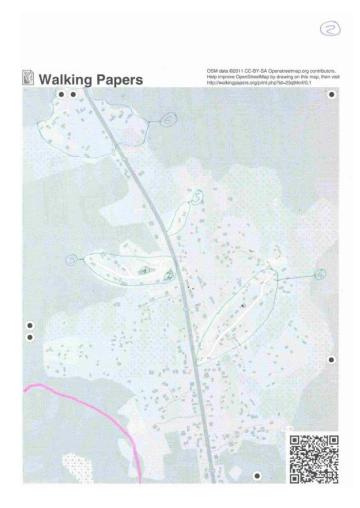
'Walking Papers' & Local mapping Volunteers/ICRC
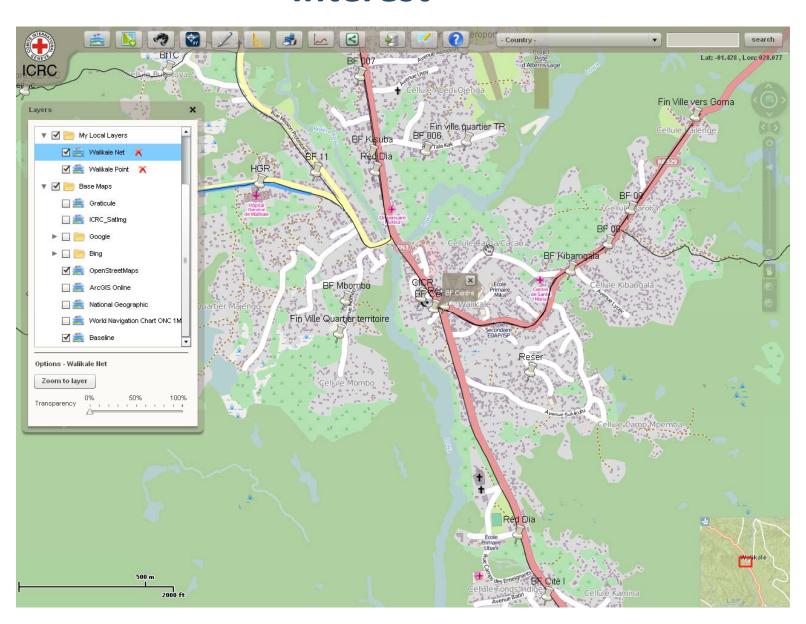

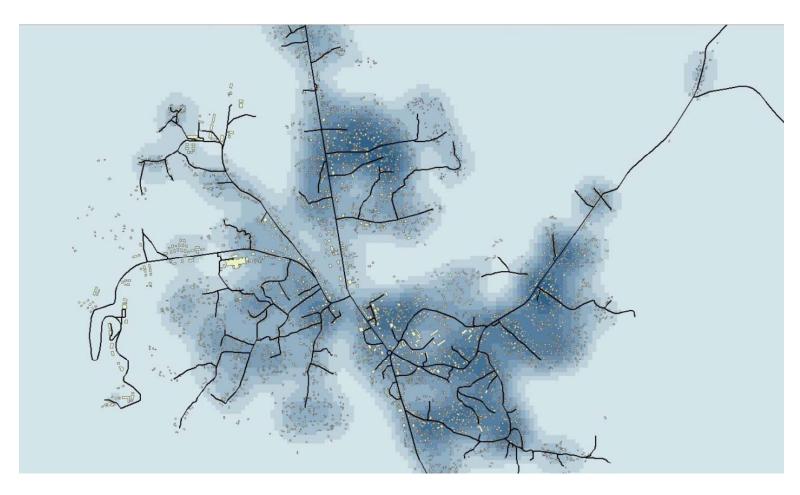*walking-papers*.org

Local Mapping by Water board staff

Overlay of Water pipes & Points of Interest

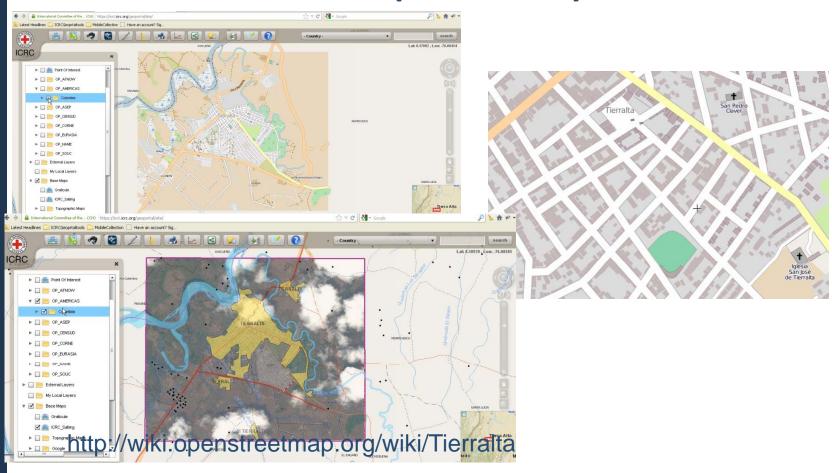# Vector Data allows extraction of Build-up density analysis and tentative population density analysis

Tierralta (Colombia)

http://wiki.openstreetmap.org/wiki/Tierralta

- Difficulties collecting the data on the ground.
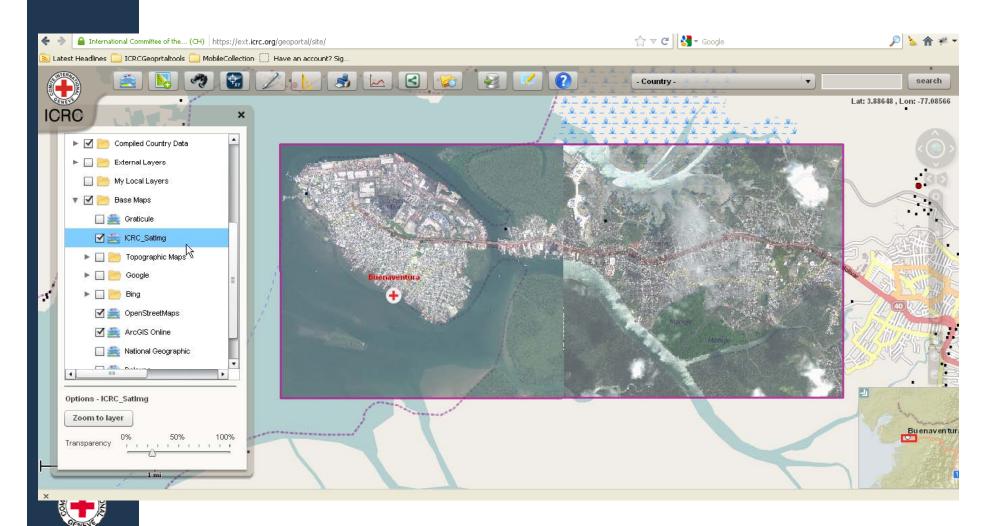- Local knowledge: Partnership with the National Society ? How to built a community?

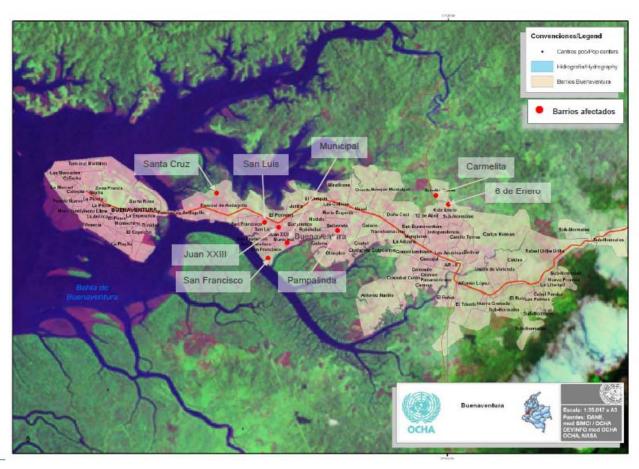# Buenaventura (Columbia) needed for another Water project

As you see all those layers available in the ICRC Geoportal
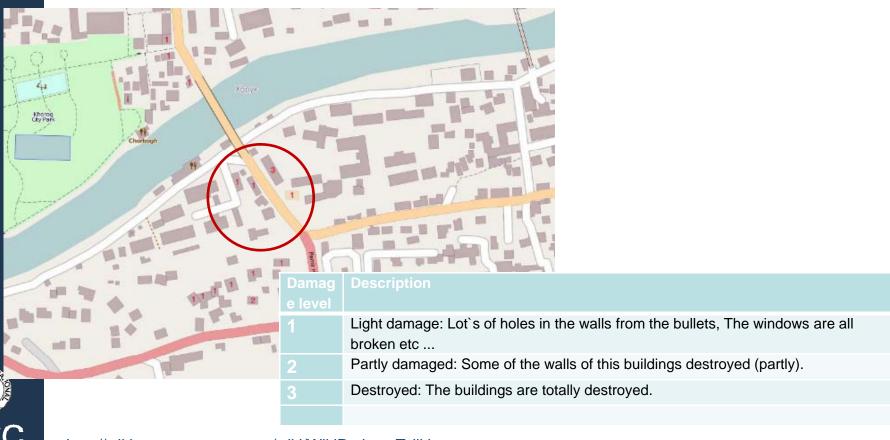
Disaster and flooding

- We contributed to the baseline dataset if needed by other (humanitarian) actors

Khorog Tajikistan (08-12)

Individual tasking from Stephane Henriod but for the benefit of all humanitarian organisations.

Damage level	Description
1	Light damage: Lot`s of holes in the walls from the bullets, The windows are all broken etc ...
2	Partly damaged: Some of the walls of this buildings destroyed (partly).
3	Destroyed: The buildings are totally destroyed.

http://wiki.openstreetmap.org/wiki/WikiProject_Tajikistan

Still some new development!
The OSM baseline map used for an offline mode with Smartphones

- Still a Pilot, we should have a buy-in and real demand not yet available

- Out of the box application versus offline Geoportal based on a tablet.

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- Use of Android smartphone with 'Locus' App
- OSM tiles prepared with MOBac

- Overlay of ICRC data for navigation and key points with Popups

Geo information enhance the ICRC response

- With the knowledge mapping it is easier for the implementation of the programs.

UNITED NATIONS | UNOOSA | **UN-SPIDER**

United Nations Platform for Space-based Information for
Disaster Management and Emergency Response

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Thank-you
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