Expert Meeting:  
Crowdsourcing Mapping for Preparedness and Emergency Response

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http://humanitarian-nomad.org/
What is Nomad?

= humanitariaN Operations Mobile Acquisition of Data

✓ **improve information management** for humanitarian organizations by linking them with the latest mobile data collection technology to improve collection, analysis and management of information.

✓ Using mobile phones and other gadgets to collect data helps aid agencies be **more efficient, cost effective, information-secure and reliable**.

✓ The team at NOMAD is made up of **humanitarians who are experts in mobile data collection and information management**.
Who is Nomad?

http://humanitarian-nomad.org/
...the majority of respondents are using paper forms for data collection, yet it is worth mentioning that the data of more than 70% of the paper form surveys is then entered in electronic format. Most of the respondents (69%) record into a local database (Excel or Access); while 18% insert it into an online database.
Nomad Services

1. Online Selection Assistant
2. Secondment Service
<table>
<thead>
<tr>
<th>Product Comparison</th>
<th>HTC Dream/G1 (not on market anymore)</th>
<th>Motorola Milestone</th>
<th>Samsung I 9000 Galaxy S</th>
<th>Sony Ericsson Xperia X10 Pro Mini</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Approx: <strong>€ 400</strong> *</td>
<td>Approx: <strong>€ 450</strong> *</td>
<td>Approx: <strong>€ 440</strong> *</td>
<td>Approx: <strong>€ 230</strong> *</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Feature</th>
<th>HTC Dream/G1</th>
<th>Motorola Milestone</th>
<th>Samsung I 9000 Galaxy S</th>
<th>Sony Ericsson Xperia X10 Pro Mini</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entering data: Typing</td>
<td>++</td>
<td>+</td>
<td>0</td>
<td>++</td>
</tr>
<tr>
<td>Reaction of Touchpad</td>
<td>+</td>
<td>++</td>
<td>++</td>
<td>0</td>
</tr>
<tr>
<td>Display size</td>
<td>+</td>
<td>++</td>
<td>++</td>
<td>0</td>
</tr>
<tr>
<td>Display in sun</td>
<td>-</td>
<td>-</td>
<td>+</td>
<td>0</td>
</tr>
<tr>
<td>Camera</td>
<td>++</td>
<td>++</td>
<td>++</td>
<td>+</td>
</tr>
<tr>
<td>Offline GPS</td>
<td>++</td>
<td>+</td>
<td>-</td>
<td>++</td>
</tr>
<tr>
<td>Battery life</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Recharging</td>
<td>-</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Ruggedness</td>
<td>++</td>
<td>0</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Price</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>++</td>
</tr>
</tbody>
</table>
Which Data collection interface?

- Apacheta -- http://www.apacheta.com
- Canvas Solutions -- http://www.gocanvas.com
- Dexterra -- http://www.dexterra.com
- Fivespark -- http://www.fivespark.com
- Geoage -- http://www.geoage.com
- Global Bay -- http://www.globalbay.com
- Global Relief Technologies -- http://www.grt.com
- inForm - www.skysofsystems.com
- Mobile Active -- http://mobileactive.org
- Mobile Data Technologies -- http://www.doforms.com
- Mobile Forms - www.devicemagic.com
- MobileFrame -- http://www.mobileframe.com
- Open Data Kit -- http://opendatakit.org
- OASIS - - www.immap.org
- OpenROSA -- http://openrosa.org
- Open X Data -- http://www.openxdata.org
- Paper2Mobile -- http://www.paper2mobile.com
- ProntoForms - www.prontoforms.com
- Zerion -- http://www.iformbuilder.com
- Imogene http://code.google.com/p/Imogene

NOMAD can help to know which one is the best for you!

07/12/2012
Field Pilots

- WFP Ethiopia: Food Delivery Monitoring
  - http://humanitariannomad.org/pilotprojects/pilotethiopia/
- IOM Haiti: Displacement tracking
  - Matrix
  - http://humanitariannomad.org/pilotprojects/pilotprojectwithiomhaiti/
  - 07/12/2012 11
Interface

- Interactive forms including sub-list and navigation
Interface

- Question tool-tips

- Instant access to details on mobile devices

Acquee

Acquee is an online mobile data collection platform offering both fully functioning free designer applications with basic hosting as well as hosted solution packages. Acquee enables the design and sharing of forms for the collection and analysis of results, which can be exported in Excel or CSV formats on all major mobile platforms including Windows, Android, Symbian, iOS and Opera Mobile.

http://acquee.com/
• Summary results via PDF

• Registration for access to PDF
Interface

- PDF download
NOMAD SERVICE:

1. To help Humanitarian organizations on having a global understanding on what a Mobile Data Collection Solution (MDCS) could do for them.

2. To advise about solutions and cost fitting with their objectives and technical requirements.

3. To help them to implement a MDCS.
GOING BEYOND: HANDS-ON SUPPORT FROM NOMAD

Once you know what mobile data tools to use, NOMAD team members can train your organisation’s staff how to use the tools and analyse the data. If suitable, NOMAD can also join your operation to help with the data collection process. NOMAD’s experts are not just information management specialists; they’re also humanitarians with real, hands-on experience implementing mobile data solutions in the field.
Next Steps:

✓ Remodel webpage, including easy form update of the solutions features
✓ Update all featured tools and add a few new tools
✓ Organise NOMAD “Tool fair” to bring solutions providers and end users together
THANK YOU

HumanitarianNOMADproject@gmail.com

http://humanitarian-nomad.org