

Road Map 2010 - 2011



Data & Analysis



Open Architecture



Pulse Labs

2010

July - December

- Partnerships with Member States, foundations, NGOs, academic institutions, and commercial industry to identify new data sources and tools
- Development of UN-wide multi-agency analytical framework and core Pulse indicators for impact monitoring and vulnerability analysis
- Series of experiments using new analytical techniques and visualizing real-time and quick-time information from surveys, media, mobile phones, satellites, and social networks.

- UN Global Pulse Innovation Team established at the UN Secretariat in New York
- Public wiki for capturing requirements for the Global Pulse technology platform
- Innovation-Pulse Camp (open source technology workshop) in Seoul, Korea designing and building early prototypes of platform features
- Initial scenarios, use cases, information model, conceptual architecture, protocols, standards, and sample programming tools (APIs)

- Strategy for creating a network of regional Pulse Labs to capture local innovation and build Global Pulse from the ground up.
- Site identification and implementation plans for first three regional Pulse Labs
- Initial consultative missions to sites of regional Pulse Labs
- Assessment of information gaps, opportunities for real-time data collection, sentinel sites and key partners for first Pulse Lab

2011

January - June

- Establishment of common framework for sharing data between existing UN early warning systems and the Global Pulse platform
- Comprehensive catalog of vulnerability indicators collected by the 39+ existing early warning and monitoring systems developed by UN agencies and partners
- Innovation-Pulse Camp (open source technology workshop) at the UN Secretariat in New York, focused on integrating select data on key vulnerability indicators

- Platform design specification (reference architecture)
- Launch of open source code repository and developer community website
- Participation in international technology workshops (code sprints, hack-a-thons, connect-a-thons, bar camps)
- First working versions of select components of Global Pulse platform (reference implementations) such as data collection, collaborative filtering, analysis, and visualization

- Launch of first regional Pulse Lab through UN Country team
- Series of regional Innovation-Pulse Camps, competitions, and other events to promote social and technological innovation, public-private partnerships, and cross-disciplinary collaboration
- Assessment of information gaps, opportunities for real-time data collection, sentinel sites and key partners for second Pulse Lab

2011

July - December

- Publication of third Voices of the Vulnerable report on the impact of the global financial crisis on vulnerable populations
- Publication of unified UN data integrated from previously stove-piped systems, in standard formats
- Launch of website for vulnerability expert community to discuss, develop and refine analytical models
- UN Conference on “New Methods and Tools for Cross-Sectoral Rapid Analysis and Monitoring”

- Competitions, with prizes, harnessing global innovation to address “grand challenges” in the design and development of Global Pulse
- First live demonstrations of end-to-end Global Pulse platform prototype
- Localization (translation) of Global Pulse platform into multiple languages
- Experimental (beta) version of Global Pulse platform (cloud-based global hub), linked with UN and partner data repositories

- Integration with monitoring systems already in use regionally into the platform
- Research and development, rapid prototyping, field experimentation, and evaluation
- Selective data sharing between Global Pulse system at regional Pulse Lab and global hub
- Launch of second regional Pulse Lab