WFP has recently entered an innovative partnership with InSTEDD and MangoMaps to develop and streamline data collection and management systems, with the aim of improving systems within WFP and ensuring that similar technologies are available for other Development Partners (DPs).

**WFP is partnering with InSTEDD and MangoMaps in the following activities:**

**Development of Resource Map technologies:**
WFP is working with InSTEDD to develop an open-sourced, integrated mobile phone-based Monitoring and Evaluation (M&E) and Vulnerability Analysis and Mapping (VAM) data collection system, linking information collected with a geographic interface and providing real-time alerts to programme managers to ensure rapid responses to programmatic issues. In practice, this means that key M&E and VAM indicators, once data is collected and uploaded via mobile phone, are displayed geographically on a google-maps based interface. If certain indicators exceed pre-defined triggers, alerts (in the form of emails or SMS) are sent to relevant programme and managerial staff, ensuring that problems in programme implementation are identified and solved quickly. This has the capacity to improve WFP’s programme implementation as well as their response times immeasurably. This technology also serves as a central repository for M&E, VAM data, allowing all programme staff the capacity to view the latest updates in real-time.

**InSTEDD Innovation Labs**

Founded in 2006 from the TED Prize, and based in California’s Silicon Valley, InSTEDD is a unique software development and design company, using open source technology tools to help actors in the development field improve collaboration, information flow and knowledge sharing with the ultimate aim of improving delivery of critical services to vulnerable populations. With long term sustainability in mind, InSTEDD’s interdisciplinary team of public health experts, scientists, and software engineers help build local capacity to solve critical health, safety and sustainable development problems. InSTEDD now operates around the world to implement our vision. With startup funding from Google.org and the Rockefeller Foundation, which includes setting up innovation labs in Southeast Asia and Latin America, that are fostering collaborative engineering practices and entrepreneurial innovation in those regions.

In 2011, WFP launched a new five-year Cambodia Country Programme that targets up to 2.76 million people focusing on food based social safety net in the sector of education, nutrition and productive assets/livelihood support.

For further information visit: www.wfp.org/countries/cambodia

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Development of a WFP automated complaint mechanism system: A further aspect of WFP’s and InSTEDD’s collaboration focuses on the establishment of an automated complaint mechanism system, allowing beneficiaries avenues by which to confidentially report issues of in WFP programming, whether it be related to serious problems (diversions, theft, etc) or more minor issues (such as mistakes in ration sizes or targeting criteria). This is a free and open-source tool that allows beneficiaries to listen and record messages in their own language and dialect or answer questions with a phone keypad. Importantly, the automated complaint mechanism system has the capacity to build in triggers, which would allow real-time alerting of WFP management (via phone calls, SMS or emails) to significant problems requiring immediate resolution.

Development of Mapping Repository: WFP is utilizing MangoMaps to maintain an online, interactive mapping repository, containing key WFP maps related to programme implementation, emergencies, VAM and M&E. WFP staff and other actors would have access to relevant maps in near real time, simply by sharing links to the repository.

Example of resource map capacities

InSTEDD and WFP giving back to the development community: Importantly, WFP’s support of and collaboration with InSTEDD will also provide a service to other WFP offices and to the wider development community by expanding and customizing InSTEDD’s existing open-sourced software. This will, in essence, improve existing technologies and ensure that other WFP offices and the wider development community have access to the same systems in the future.

MangoMap

MangoMaps is a GIS web map publication platform that can be used to create innovative, interactive maps, which allow non-GIS specialists the power to better explore and utilize GIS information. MangoMaps also enhancing GIS information sharing by serving as a platform by which GIS information can be stored and shared by multiple actors across the private sector and development and humanitarian communities.