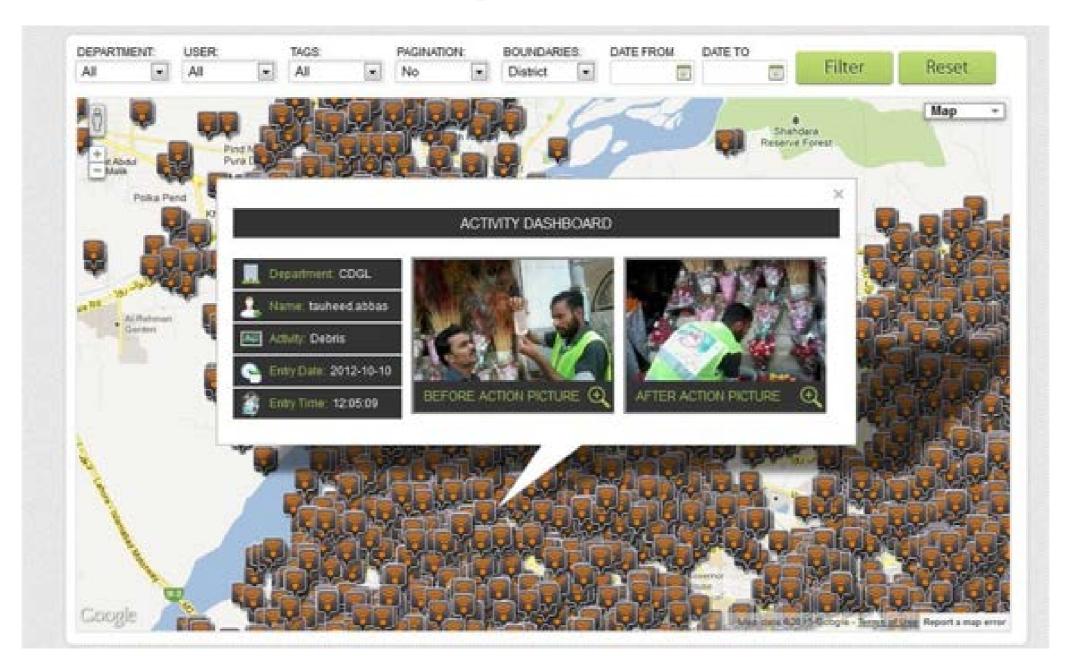
Designing & Evaluating Technological Solutions to Improve Governance in Punjab

Mustafa Naseem
Innovations for Poverty Alleviation Lab (IPAL)
Information Technology University





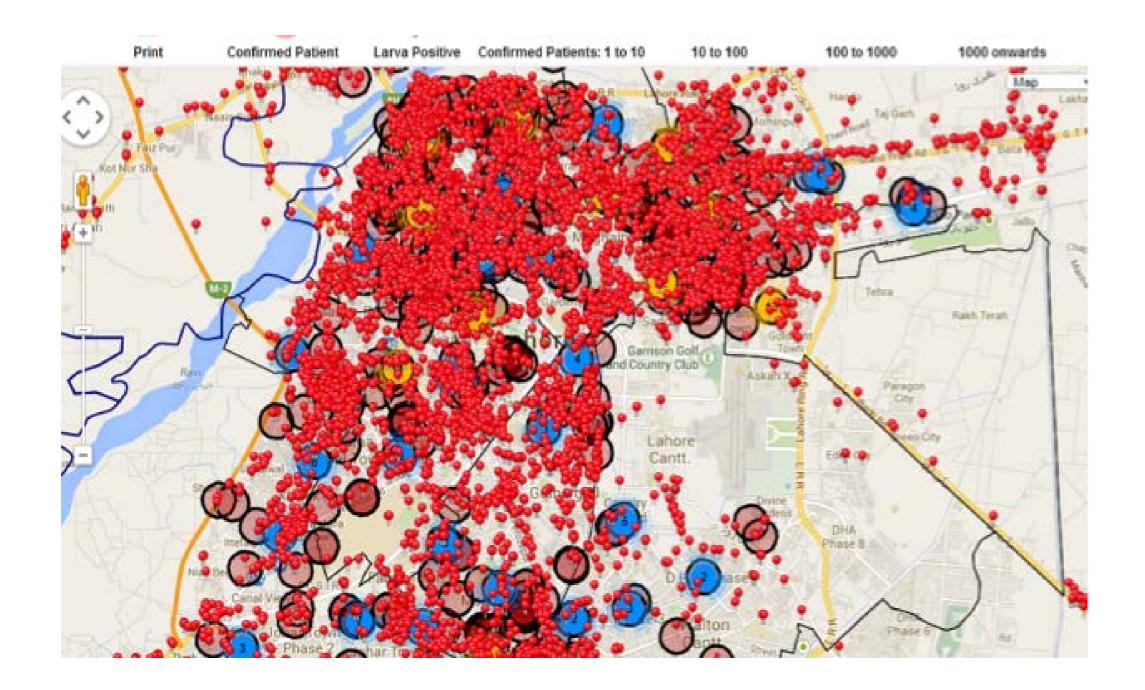
Mobile Applications as a Source of Development Data



Disease Surveillance and Epidemic Prevention

2011: 16,000 people infected; 352 lives lost

2012: 234 confirmed case, no reported deaths



- Houses and Workplaces of confirmed patients tagged with a 1 km radius
- Confirmed larvae citations were geo-tagged

"That whole idea of being able to scrape digital data has helped us find outbreaks faster"

Mark Smolinski, Director of Global Health Threats at Skoll Global Threats Fund

Punjab Crime Investigation Reporting System

Geo-tagging Reported Crime to identify Crime Pockets

REPORTED CRIME

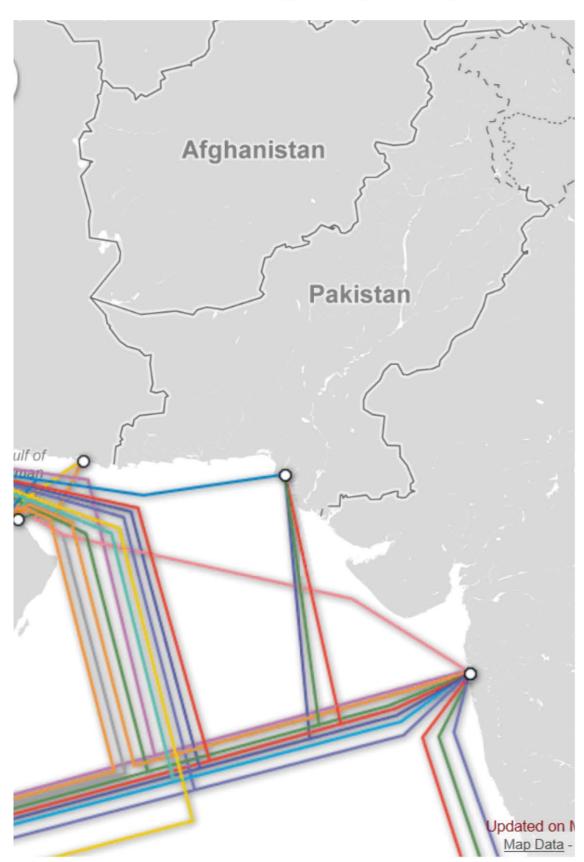
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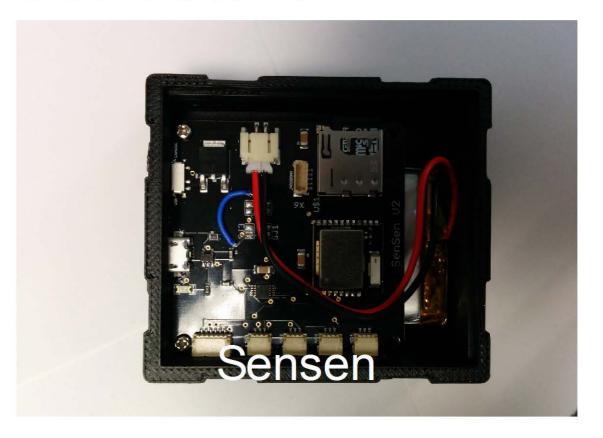


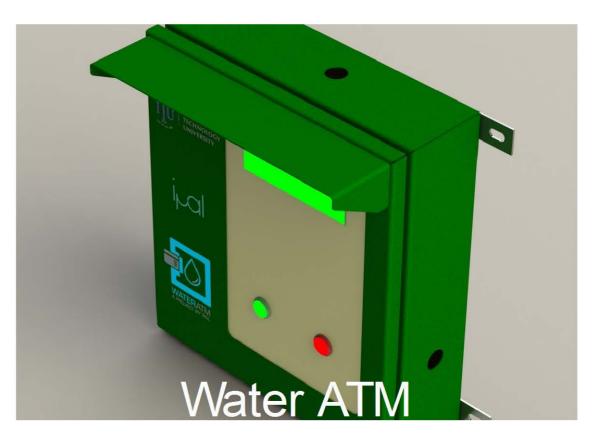
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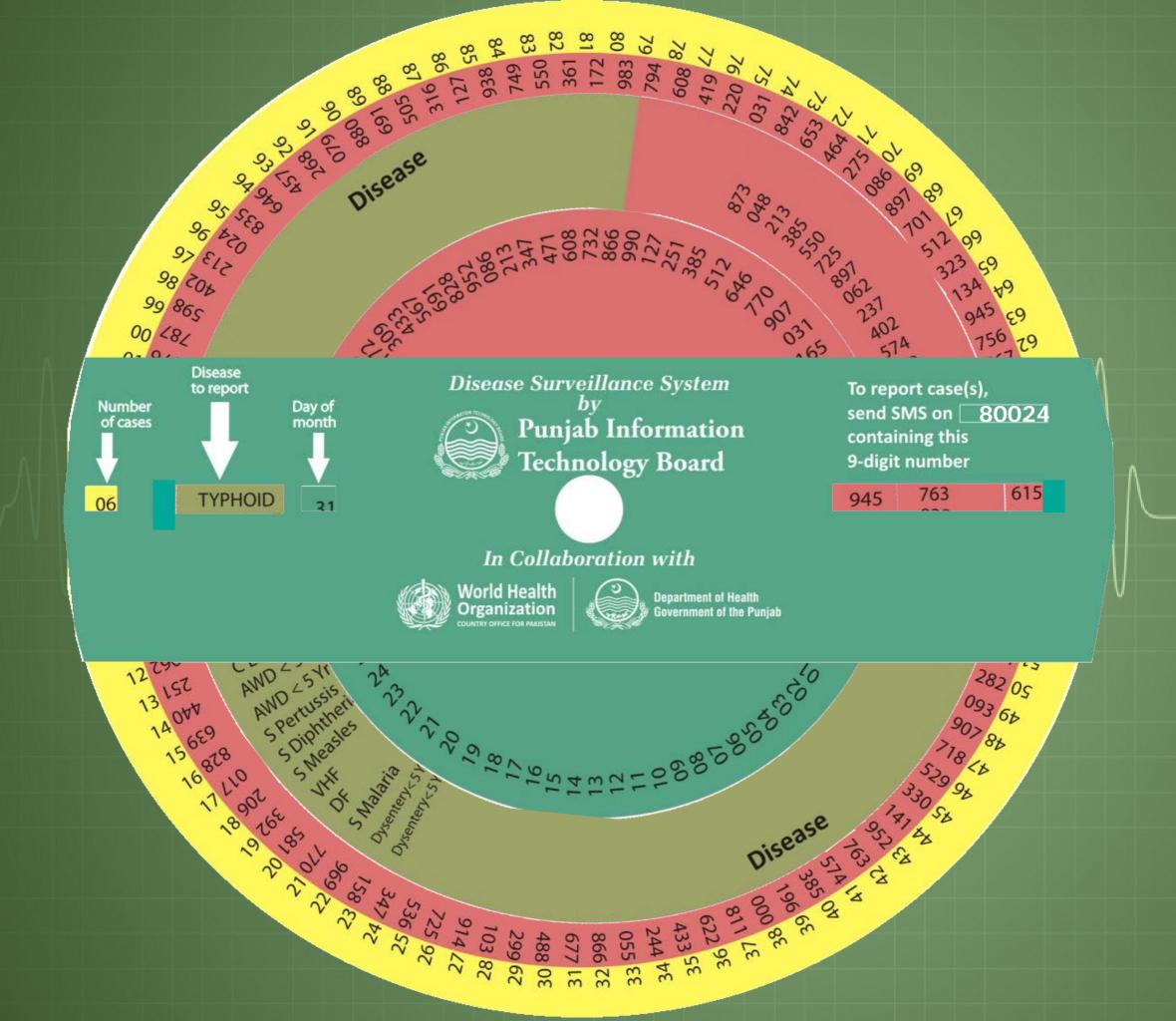


Internet of Things (IoT) Applications and ICT Infrastructure









Working in Complex Settings

- Data and tools are necessary, but not sufficient. Concerted effort on four interrelated, key areas is needed - Emma Proud - Mercy Corps
 - Culture
 - People and Skills
 - Tools and Systems
 - Enabling Environment
- Challenges with collecting RTD:
 - Comparable International Statistics Missing
 - Privacy Concerns around collection of data



Thank You!

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