Summit on Science and Technology Enablement for the Sustainable Development Goals

Session A: People in Crisis
Location: SE Conference Room

Co-Leads:
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People in Crisis
Scope and Opportunity

• Definition: persistent displacement or at risk of
  Refugees
  People in economic crisis
  Impact of climate change & disasters -> human migration
  Population at risk to be displaced
  Most vulnerable: women and children
  -> Overall focus on health and education

• Key barriers to science and technology enablement for people in crisis
  - funding
  - access/scale-up
  - lack of coordination between different stakeholders
  - Regulatory barriers

• Key Opportunities to science and technology enablement for people in crisis
  – Telecommunication infrastructure and data coordination (incl social media)
  – Secure identity to empower people
  – Cash distribution
  – Innovative funding mechanisms
  – Access to actual resources (eLearning, training of health care workers, medicine/care)
  – Establish research networks (e.g. clinical trials) in actual countries to influence policy
  – Scale up (e.g. access to solutions)
People in Crisis
Scope and Opportunity

Disciplines/sectors to be engaged:
• Everybody!
  – Individual governments and citizens
  – Academia
  – Funders
  – Policy makers
  – Corporate sector
  – NGOs
  – Research networks IN countries
• Need for PLANNING and COORDINATION:
  – DATA: What is out there
  – IMPACT: What has worked
  – ACCESS and SCALE-UP
People in Crisis: Research and Data

Research and data needs
• Demographics critical so we know where to scale up to
• Can we create a decentralized system to establish identity
• Coordinating body to define health issues to focus research efforts
• How to scale up implementation:
  – definition of scale = eliminating a need
  – context assessment
  – cost efficiency
  - Key to success is a holistic approach (a solution rather than a pill)
  - Appropriate research methods when conducting rapid prototyping
• Advocacy/Policy: prioritization of research and thoughtful analysis of what has been successful
• Interface between research and policy
• Basic research in infectious diseases
• Dynamic data systems
People in Crisis
Implementation and Partnership

Critical areas for innovation

– Private, Public and Academic society must find a way to implement together
– Biometric identification (sensitive to issues related to privacy/security) to facilitate scale up
– Convert thought process from ROI (return on investment) to IOI (impact of investment)
– Innovation in health:
  • Prevention
  • Holistic approach (solution rather than a drug/device, based on data)
People in Crisis
Roadmap: Key Activities

– Private, Public and Academic society must come together to integrate data
– Changing incentives: prioritize based on Impact through innovation
– Collection of data for decision making and advocacy
– Focus on prevention in at risk populations
– Need for holistic and systemic solutions and within that “prioritize”
– Monitor unmet needs and technologies
People in Crisis
Roadmap: Key Success Metrics

- Scientific consensus on next generation diseases and technologies
- Increase in amount of Interdisciplinary products and holistic approaches
- IMPACT evaluations in crisis affected situations as a metric (# impact studies as a metric)
- “Evidence used” as a metric