

Supplementary information to: Grand challenges for humanitarian aid

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Supplementary 1: HGC practical actions

In addition to the research questions identified in table 1, many participants highlighted practical actions that are frequently needed in particular humanitarian aid situations. These also may be the basis for future humanitarian grand challenge grants. These are listed below:

Challenge 1:

1. Document in a database the knowledge, skills and experience of arriving refugees so as to match these with available jobs or jobs that can be created by the refugees themselves

Challenge 2:

1. Develop and evaluate courses aimed at training women for leadership positions in humanitarian crises
2. Explore automated “doc in a box” equipment, from diagnostics to treatment, that can be distributed to crises prone places

Challenge 3:

1. Develop training programmes for people affected by humanitarian crises to gather data, focusing on accuracy and reliability
2. Establish databases that allow for rapid analysis and sharing that adhere to international standards

Challenge 7:

1. Facilitate the use of, and deter the hacking of drones and other unmanned vehicles designed to deliver essential supplies

Challenge 9:

1. Develop online micro-work/ micro-tasking initiatives (“human-based computation”) to increase employment for members of vulnerable communities.

Supplementary 2: Acknowledgements

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