

Supplementary information to: Grand challenges for humanitarian aid

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Supplementary document to a Comment published in *Nature* **559**, 169–173 (2018)

<https://www.nature.com/articles/d41586-018-05649-1>

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

We are grateful to the Delphi panellists listed below. Organizational affiliations are listed for identification only. Four individuals have chosen to remain anonymous or have not confirmed permission to be acknowledged (organizations are still represented). Individuals denoted with an asterisk (*) participated in the launch meeting held in November 2016 in Toronto, Canada.

Affected Persons (Halima Mohamed, Yahia Garalleh Monsoor, Maysoun Saed Ibrahim Qawasmeh, Durga Sob, Wisam Salim), Bangladesh Drowning Prevention Project (Steve Beerman), Bill and Melinda Gates Foundation (Steve Buchsbaum*, Kedest Tesfagiorgis*), Canadian Red Cross (Jaclyn Haggarty, Janet Sharpe), Carleton University (James Milner), CARE Canada (Shantelle Binette*, Jessie Thompson*), (Australian) Department of Foreign Affairs and Trade (DFAT) (Lisa Rauter*, Shannon Ryan and Aidan Goldsmith), (UK) Department For International Development (DFID) (Fiona Lappin*, Sebastian Mhatre, Magdalena Banasiak), ELRHA (Jessica Camburn*), Every Woman Every Child Everywhere (Princess Sarah Zeid*), Feminist Dalit Organization (Durga Sob), Global Affairs Canada (Paula Betuzzi, Heather Jeffrey*, Gordon Scott*, Stephen Salewicz), Global Innovation Fund (Michael Eddy*, Alix Zwane), Ikea Foundation (Annemieke Tsike-Sossah*), Coordinator, Women, Peace and Security Network-Canada (Beth Woroniuk), International Committee of the Red Cross (Tarun Sarwal), International Federation of Red Cross and Red Crescent Societies – Reference Centre for Psychosocial Support (Sarah Harrison), Mastercard (Paul Musser*), Moosehead (Jeffrey Cyr*), Médecin Sans Frontières (MSF) Canada (Stephen Cornish*), Médecin Sans Frontières (MSF) International (Richard Mommersteeg), Norwegian Agency for Development (NORAD) (Haitham El-Noush*), Oxfam Canada (Julie Delahanty), Philips Africa (Luc De Clerck*, Maarten van Herpen*), Plan Canada (Visha Safo), Save the Children (Rachel Logel Carmichael*), Start Network (Neil Townsend), Global Humanitarian Lab (GHL) (Olivier Delarue*), UNICEF (Robert Jenkins*), United Nations Office for the Coordination of Humanitarian Affairs (UNOCHA) (Loretta Hieber-Giradet), United States Agency for International Development (USAID) (Mari Denby*, Alexis Bonnell*, Mia Beers*), UPS Foundation (Joe Ruiz*), World Health Organization (Mark Van Ommeren, Shekhar Saxena), World Food Programme (Robert Opp), World Vision (Lindsay Gladding*, Jamie McIntosh*, Mesfin Teklu*), York University (Jennifer Hyndman)

We also acknowledge with gratitude the help and insights of Chris Houston and Karlee Silver of Grand Challenges Canada in finalizing the revision of this paper.