



UK Research  
and Innovation

The  
Alan Turing  
Institute

**Digital Aid: Understanding the Digital Challenges facing Humanitarian Assistance  
A GCRF Researcher and Practitioner Workshop – 9th September 2019**

*Meeting at 08.30 am on 9<sup>th</sup> September 2019*

*The Alan Turing Institute, London*

**Panel Chair**

Michael Aaronson (GCRF)

Charles Clerck (UKRI) – morning only

Daniel Robinson (UKRI) - tbc

Geoff Hill (UKRI)

**Panel Members**

Charlotte Lindsay (ICRC)

Katherine Robson Brown (Bristol)

Maria Fasli (Essex / UNESCO)

Ruqaiyah Patel (UKRI)

Ruth McQuitty (UKRI)

Stephen Loader (UKRI) - tbc

Sarah Campbell (NERC)

**Facilitators and Convenors**

Markus Geisser (ICRC) - tbc

Allaine Cerwonka (The Alan Turing Institute) - tbc

Charlie Thomas (The Alan Turing Institute)

**Communications Team**

Tracey Jewitt (UKRI)

David Sousa (UKRI)

*#GCRFDigitalAid // @GCRF // @turinginst*

## Facilitation plan

Time	Session Title	Location	Aims and Objectives	Actions and Facilitation	Resources
8:30 - 9:00	<b>Registration and Refreshments</b>	Alan Turing Institute reception,  Tea and Coffee area		Charles or Ruth to be at main BL reception to greet guests. ATI events to register them at ATI reception.	<i>Badges (including number of breakout session), guest list, maps?</i>
9:00 – 9:05	<b>Introduction</b>	Enigma Room	Outline the day events, use of social media (GIFbreaker), health and safety guidelines, introduce panel	Geoff to introduce	<i>Microphone, ppt presentation</i>
9:05 – 10:00	<b>Introduction &amp; Plenary Panel</b>	Enigma room	Motivate and provoke conversation among delegates  Set out challenges and issues for the day	Chair to introduce panel.  Panel to outline thoughts (5 mins) about how research and innovation can help meet Humanitarian objectives  <b>Opening Question:</b> What are your concerns regarding the use of data and digital technologies in those areas where humanitarian need is at its greatest?  <b>Last question:</b> what are your hopes for this workshop?  Ruth and Charlie to take notes.	<i>Livecasting of the panel: microphones etc.</i>
10:00 - 10:15	<b>Refreshments</b>	Tea and coffee area		<b>Social Media Networking</b> - #GIFBreaker (icebreaker) #DigitalAid	<i>Tea and coffee to be set up by catering ahead of time, need to check there</i>

					<i>will be further facilities other than the 'coffee tap' to avoid queues.</i>
10:15 – 12:15	<b>Breakout 1 (AI)</b> <i>Ice Breaker and Explore issues</i>	Enigma/ Lovelace/ TBC	Delegates in groups to get to know each other  Outline the areas of interest in the theme	<b>Icebreaker: Pennies (5 mins)</b> <b>Ask practitioners:</b> What are the areas of their work where they believe AI can / is making a difference? <b>(15 mins)</b> <b>Ask researchers:</b> What are the areas of their research which they think maybe / is beneficial to humanitarian efforts? <b>(15 mins)</b> <b>Ask all:</b> Identify any other issues <b>(20mins)</b>	<i>Flipcharts, markers, pennies (?)</i> <i>Mind Map</i> <i>1 x Facilitator</i> <i>1 x note taker</i> <i>If 20 people, break group up into 3 (3x note takers)</i>
10:15 – 12:15	<b>Breakout 2 (Data)</b> <i>Ice Breaker and Explore Issues</i>	Enigma/ Lovelace/ TBC	Delegates in groups to get to know each other  Outline the areas of interest in the theme	<b>Icebreaker: Pennies (5 mins)</b> <b>Ask practitioners:</b> What are their concerns regarding Data Security, provide examples? <b>(15mins)</b> <b>Ask researchers:</b> What are the areas of their research which they think maybe / is beneficial to humanitarian efforts? <b>(15 mins)</b> <b>Ask all:</b> Identify any other issues <b>(20 mins)</b>	<i>Flipcharts, markers, pennies (?)</i> <i>Mind map</i> <i>1 x Facilitator</i> <i>1 x note taker</i> <i>If 20 people, break group up into 3 (3x note takers)</i>
10:15 – 12:15	<b>Breakout 3 (Digital Aid)</b>	Enigma/ Lovelace/ TBC	Delegates in groups to get to know each other  Outline the areas of interest in the theme	<b>Icebreaker: Pennies (5 mins)</b> <b>Ask practitioners:</b> What are their concerns regarding the use	<i>Flipcharts, markers, pennies (?)</i> <i>Mind Map</i> <i>1 x Facilitator</i>

	<b>Ice Breaker and Explore Issues</b>			<p>and ownership of Data in a Humanitarian context? <b>(15 mins)</b></p> <p><b>Ask researchers:</b> What are the areas of their research which they think maybe / is beneficial to humanitarian efforts? <b>(15mins)</b></p> <p><b>Ask all:</b> Identify any other issues <b>(20mins)</b></p>	<p>1 x note taker</p> <p><i>If 20 people, break group up into 3 (3 x note takers)</i></p>
12:15 – 13:15	<b>Lunch</b>	Tea and coffee area		Interviews by communications team	<i>Camera/Microphones for communications team</i>
13:15 – 14:45	<b>Breakout 1 (AI)</b>  <b>Overcoming barriers between research and practice and prioritising future efforts</b>	Enigma/ Lovelace/ TBC	<p>Explore barriers and identify how researchers and practitioner can better work together in the future.</p> <p>Prioritise research and humanitarian needs in this theme</p> <p>Stimulate thought for future funding initiatives</p>	<p><b>Ask all:</b> What are the barriers between research and practice &amp; how can these be overcome? <b>(20 mins)</b></p> <p><b>Ask all:</b> Following today's discussions what do you consider the priorities regarding the use of AI in humanitarian efforts? <b>(30 mins)</b></p> <p><i>(e.g. technical, ethical, research and humanitarian priorities)</i></p> <p><b>Task:</b> You have £2m pounds how would you spend this in a manner that brings research and humanitarian practice together? <i>Can produce more than one example (40 mins)</i></p>	<p>1 x Facilitator</p> <p>1 x note taker</p> <p><i>If 20 people, break group up into 3</i></p> <p><i>Ask delegates to write down their project idea(s) – include aims/objectives, activities, outcomes and expected impact</i></p>
13:15 – 14:45	<b>Breakout 2 (Data)</b>	Enigma/ Lovelace/ TBC	Explore barriers and identify how researchers and practitioner can better	<b>Ask all:</b> What are the barriers between research and practice &	<p>1 x Facilitator</p> <p>1 x note taker</p>

	<b>Overcoming barriers between research and practice and prioritising future efforts</b>		<p>work together in the future.</p> <p>Prioritise research and humanitarian needs in this theme</p> <p>Stimulate thought for future funding initiatives</p>	<p>how can these be overcome? <b>(20 mins)</b></p> <p><b>Ask all:</b> Following today's discussions what are the priorities regarding Data security in humanitarian efforts? <b>(30 mins)</b></p> <p><i>(e.g. technical, ethical research and humanitarian priorities)</i></p> <p><b>Task:</b> You have £2m pounds how would you spend this in a manner that brings research and humanitarian practice together? <b>(40 mins)</b> <i>Can produce more than one example</i></p>	<p><i>If 20 people, break group up into 3</i></p> <p><i>Ask delegates to write down their project idea(s) – include aims/objectives, activities and outcomes and expected impact</i></p>
13:15 – 14:45	<b>Breakout 3 (Digital Aid)</b> <b>Overcoming barriers between research and practice and prioritising future efforts</b>	Enigma/ Lovelace/ TBC	<p>Explore barriers and identify how researchers and practitioner can better work together in the future.</p> <p>Prioritise research and humanitarian needs in this theme</p> <p>Stimulate thought for future funding initiatives</p>	<p><b>Ask all:</b> What are the barriers between research and practice &amp; how can these be overcome? <b>(20 mins)</b></p> <p><b>Ask all:</b> What are the priorities regarding the use Data in humanitarian efforts? <b>(30 mins)</b></p> <p><i>(e.g. technical, ethical, research and humanitarian priorities)</i></p> <p><b>Task:</b> You have £2m pounds how would you spend this in a manner that brings research and humanitarian practice together? <b>(40 mins)</b> <i>Can produce more than one example</i></p>	<p>1 x <i>Facilitator</i></p> <p>1 x <i>note taker</i></p> <p><i>If 20 people, break group up into 3 (and 3 facilitators / note takers)</i></p> <p><i>Ask delegates to write down their project idea(s) – include aims/objectives, activities and outcomes and expected impact</i></p>

14:45 – 15:45	<b>Networking Event and Refreshments</b>	Tea and coffee area Enigma Room	Encourage delegates to meet new people to stimulate potential working relationships.	Line pairs of chairs in straight line, delegates have 5 minutes to find out how they can help each other out (or asked set questions?), then each side move two down / two up & redo x6 – 30mins.  Interviews by communications team	<i>During initial coffee exodus, facilitators to reorganise chairs for networking session.</i>  <i>Camera/Microphones for communications team</i>
14:45 – 15:45	<b>Facilitators and note takers convene</b>	Lovelace	Prepare for recap session	Decide high level notes from sessions to present Explore any synergies (e.g. in barriers, ethical concerns)	<i>PPT – someone to assist in converting notes into PPT</i>
15:45 – 16:15	<b>Recap of breakout sessions</b>	Enigma room	Provide all delegates an overview of discussions from each breakout group	Session facilitators present high-level issues / discussions from each breakout session.	<i>PPT</i>
16:15 – 17:00	<b>Workshop: Next Steps</b>	Enigma room	Prioritise next steps	Encourage delegates to explore cross cutting themes and agree to pressing priorities (at least one from each theme?)	<i>Bring panel back together?</i>
17:00 – 17:15	<b>Summary and close</b>	Enigma room	Wrap up	Mike Aaronson to reflect on the day	<i>Geoff to mention DIDA?</i>

All Delegates	Facilitators	Group A only	Group B only	Group C only	Refresh / Optional
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Topics for Discussion		
Breakout 1: The use of AI in Humanitarian Efforts	Breakout 2: The Data Vault	Breakout 3: The Digital Conditions of Aid
<p><u>Potential Issues to Discuss:</u></p> <p><b>Nowcasting and Forecasting</b></p> <ul style="list-style-type: none"> <li>• Environmental Disasters</li> <li>• Humanitarian Emergencies</li> <li>• Food/water supply and shortages</li> <li>• Sources of data</li> </ul> <p><b>Facial Recognition</b></p> <ul style="list-style-type: none"> <li>• Restoring family links</li> <li>• Facial reconstruction for identification</li> </ul> <p><b>Ethics and Governance</b></p> <ul style="list-style-type: none"> <li>• Social media monitoring / data scraping / harvesting</li> <li>• Keeping Humans-in-the-loop</li> <li>• Incorporating local knowledge</li> </ul>	<p><u>Potential Issues to Discuss:</u></p> <p><b>Cybersecurity</b></p> <p><b>Digital Identity Systems</b></p> <ul style="list-style-type: none"> <li>• Privacy implications</li> <li>• Functionality</li> <li>• Access (in areas of greatest humanitarian need)</li> <li>• Secondary use of data</li> </ul> <p>Protecting individual personal data, 'digital life and dignity'.</p>	<p><u>Potential Issues to Discuss:</u></p> <p><b>Digital Humanitarian Principles</b></p> <p>Collecting and using digital identities to distribute aid (e.g. use of biometrics)</p> <p>Individual control over digital identity and data governance.</p> <p>Incorporating local knowledge</p>