hoRRIzon projects: Responsible Research and Innovation for trusted products

Horizon’s cross-cutting Theme was introduced to understand how Responsible Research and Innovation (RRI) is perceived and implemented within our Programme ‘Trusted Data Driven Products’. This work supports embedding an RRI culture and practices across all research projects within Horizon and other UKRI research and training programmes.

Cross-cutting research activities include the development and validation of tools to aid RRI practice (e.g., card-based approaches -physical and online) to address barriers and enhancers for RRI implementation and policy impact.

**hoRRIzon 1.0 (April 2021 – April 2022)**

### Main factors that impacted RRI integration

<table>
<thead>
<tr>
<th>Benefits</th>
<th>Barriers</th>
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<tbody>
<tr>
<td>Time (e.g., anticipatory and reflexive work)</td>
<td>Time &amp; timing (e.g., dynamics of short-term projects)</td>
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<tr>
<td>Stakeholder engagement</td>
<td>Support to aid RRI practice (e.g., tools used benefited from guidance)</td>
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<tr>
<td>Consideration of EDI (e.g., representative sample of research participants)</td>
<td>Unclear expectations of research (RRI) practice (from funder and institution)</td>
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<td>Effective communication (e.g., within the team, with stakeholders)</td>
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**Policy Impact**

3. Derek McAuley, Andy Crabtree, Anna-Maria Piskopani, Jaihong Chen, Lachlan Urquhart, Response to A Call For Evidence Connected Tech Smart Or Sinister By DCMS Committee published 2022 via University of Nottingham (June 2022). [https://doi.org/10.25878/0kj7-hh45](https://doi.org/10.25878/0kj7-hh45)

**hoRRIzon 2.0 (May 2022 – April 2023)**

### Responsible Innovation Prompts and Practice Cards (RI Cards)

<table>
<thead>
<tr>
<th>Purpose</th>
<th>People</th>
<th>Product</th>
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### RI Cards- Online resources

**Cardographer Web app:**

https://doi.org/10.17639/X2FE

**RI Cards on Miro board:**

https://miro.com/app/board/uVxMvFPHd/

**TAS- hosted site on RRI for ICT:**

https://tas.ac.uk/responsible-research-innovation/rrri-for-ict-researchers/

**Exploiting the impact of ChatGPT and generative AI in Higher Education**

By Anna Chadwick, Anna Maria Piskopani

23rd September 2023

**hoRRIzon 3.0 (May 2023 – ongoing)**

### Supporting RRI training and practice

**Delivery of RRI training**

Horizon CDT, UoN

**RI Cards- current version 3.1.1 (November, 2023)**

**Development of RRI educational toolkit:**

**Storytelling workshops**

The storytelling aspect was useful for thinking about how research may be received differently by different groups of people, and for understanding how I can write about my research in a way that considers RRI.

RRI and regulation roundtables as semi-structured discussions.

“Before this exercise, I was not aware of this concept [Responsible Innovation]. Now I have realised this useful resource for my future projects.”

“...the experiential aspect of putting theory to action was incredibly helpful.”

**Dissemination an evaluation of the RI Cards**

**Trustworthy Autonomous Systems (TAS) Symposium**

Edinburgh, July 2023

Distributed over 200 physical decks so far in the UK, USA, France and Australia; collating feedback on use.

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**Partner:** Observatory for Responsible Science and Innovation in ICT (ORBIT)

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