



INTRODUCTION TO RESPONSIBLE RESEARCH AND INNOVATION



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INTRODUCTIONS

- Your name
- Your research in a sentence



OVERVIEW OF THE SESSION

- Introduction to Responsible Research and Innovation
- Standpoint activity and reflection
- Activity on future thinking
- Break
- Activity on future headlines
- Reflection and next steps

INTRODUCTION TO RRI/RI

- **Responsible Research and Innovation (RRI) – EU Horizon 2020**

Aligning publicly funded research and innovation with broadly configured societal values and needs

6 Keys – Ethics, Science Education, Gender Equality, Open Access, Governance & Public Engagement

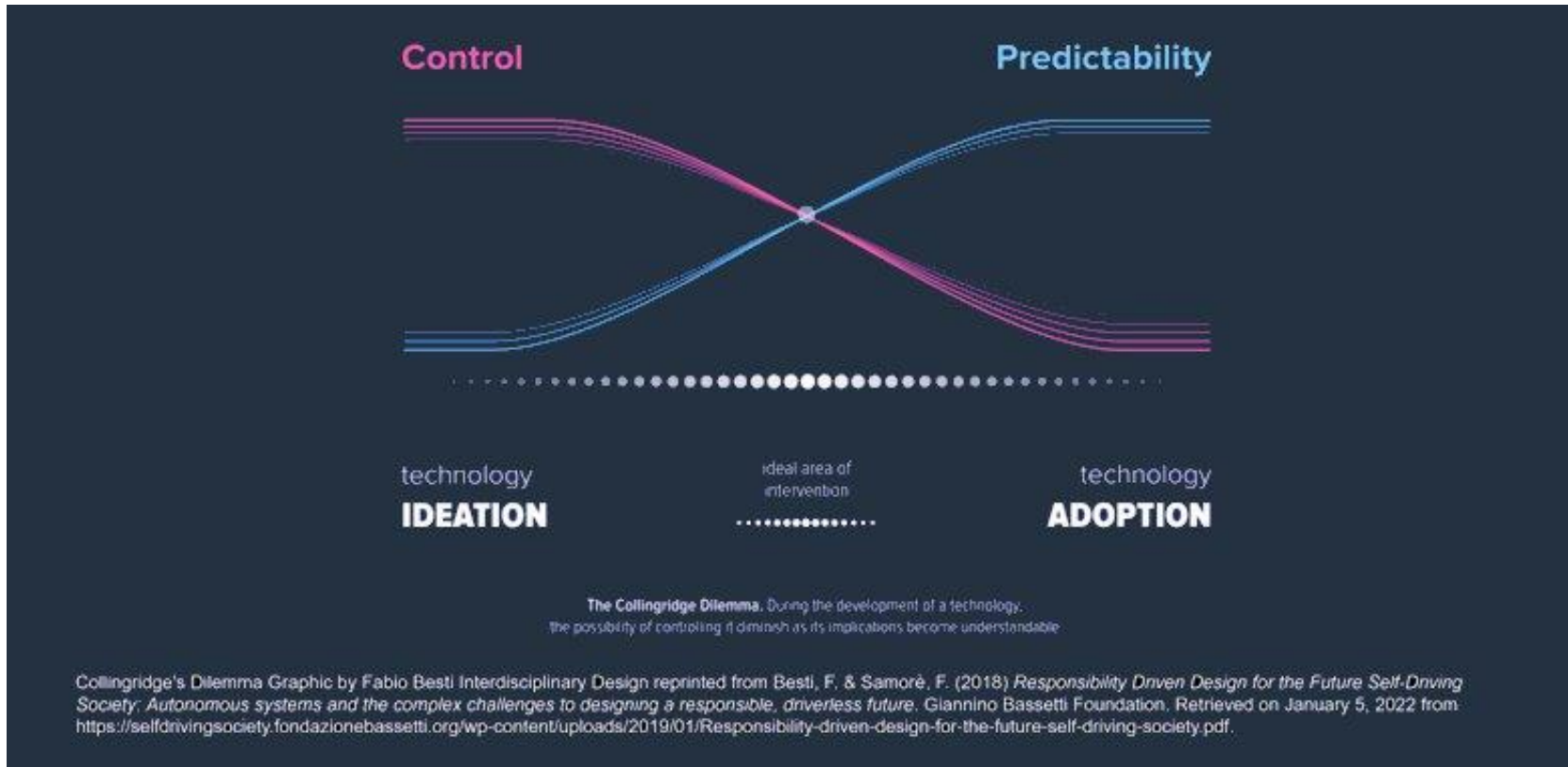
- **Responsible Innovation (RI) – EPSRC, UK**

“...taking care of the future through collective stewardship of science and innovation in the present.”

AREA Framework – Anticipate, Reflect, Engage and Act (originally AIRR)



**WHY DO WE
NEED RRI?**



DON'T WORRY, REGULATION WILL SAVE US...



The image features a textured, light-brown background that resembles sand. A prominent feature is a large, intricate spiral pattern in the center, which is a classic optical illusion known as a 'Müller-Lyer' illusion. The spiral is composed of many concentric, slightly curved lines that create a sense of depth and movement. The overall composition is symmetrical and visually engaging.

REALMS OF RESPONSIBILITY

STANDPOINT

- Acknowledge our standpoint and biases
- Acknowledge that our standpoint affects the research we do and how we do it
- Try to recognise who/what perspectives we are missing due to bias

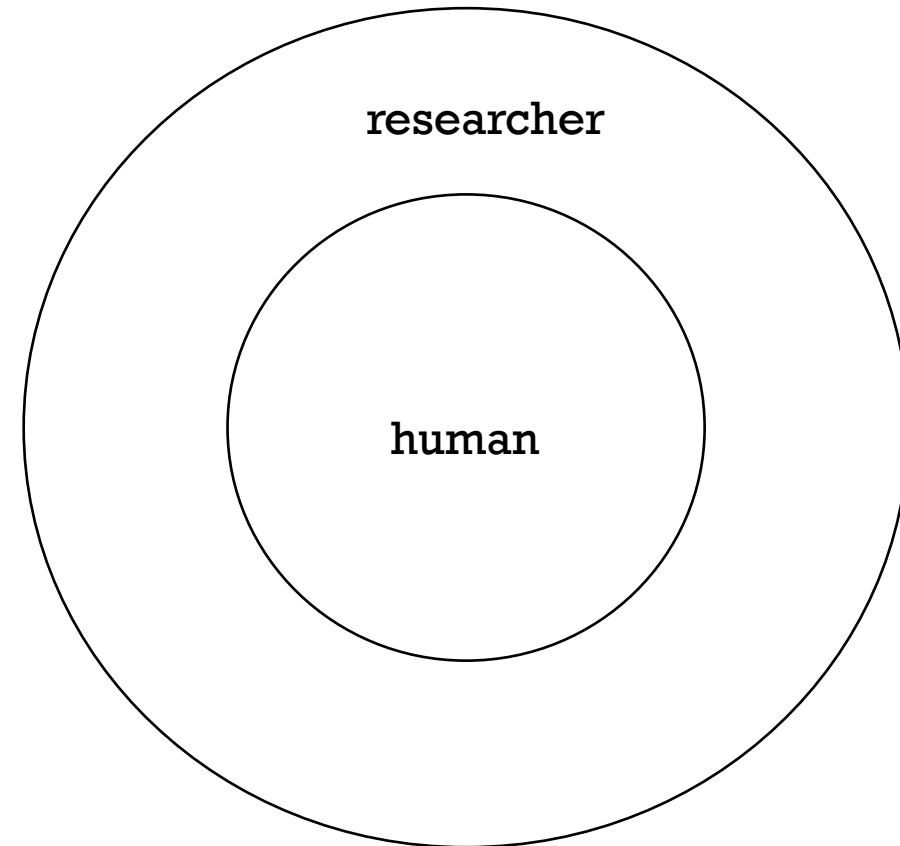
**LET'S GET
STARTED!**

Answer in the chat!



YOUR STANDPOINT

Who am I?



What are my values?

How do these show up in my work?



REFLECT

- What felt easy? / What felt hard?
- Are these questions you have considered before?
- Whose perspectives may you be missing?



FUTURE THINKING

In your groups, design an innovation that addresses the following challenge:

Reducing Co2 emissions in a city – working towards zero carbon.

Innovations don't need to be possible or plausible – be as creative as you like!

When we come back you'll have to pitch your idea to the rest of the groups.

7 minutes

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7 minutes






BREAK

5 MIN



The background of the slide features several white paper-cut silhouettes of human heads in profile, arranged in a circular pattern. Most of these heads contain a large black question mark. The central head, positioned slightly lower and more prominent, contains a blue line-art drawing of a lit lightbulb with rays emanating from it, symbolizing an idea or innovation. The entire scene is set against a light blue background with a subtle grid pattern.

SHARE YOUR INNOVATION AND WE'LL ALL VOTE THE BEST ONE!

- You have 1 minute to pitch your idea! Don't go into too much detail
- Questions from the other groups?
- Let's vote!





FUTURE THINKING

- 50 years in the future, what are the positive and negative impacts of the innovation?
- The group whose innovation was selected, try to anticipate what others will tell you as you will have to respond





FUTURE THINKING

Should the innovation go ahead?

What would need to change for it to go ahead in a responsible way?





WHERE MIGHT YOUR RESEARCH LEAD?

- What might newspaper headlines say about the impact of your work?
- In 10 years? In 50 years?
- What is the best headline you can imagine? What is the worst?
- Answer in the chat!



DISCUSS

- What was the most realistic headline you read?
- What was the most troubling?
- What was the most utopian?
- Do any of these headlines make you think differently about the work you do or its potential impacts?



REFLECT

What will you be taking away from today?

How can your supervisor/the project support you to integrate RRI in to your work?



THANK YOU!

Any questions, you can get in touch with us:

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You can read more about our work and see more resources here:

[Responsible research and innovation | Public Engagement | University of Bristol](#)