nQuire update

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Acknowledgements

nQuire Team

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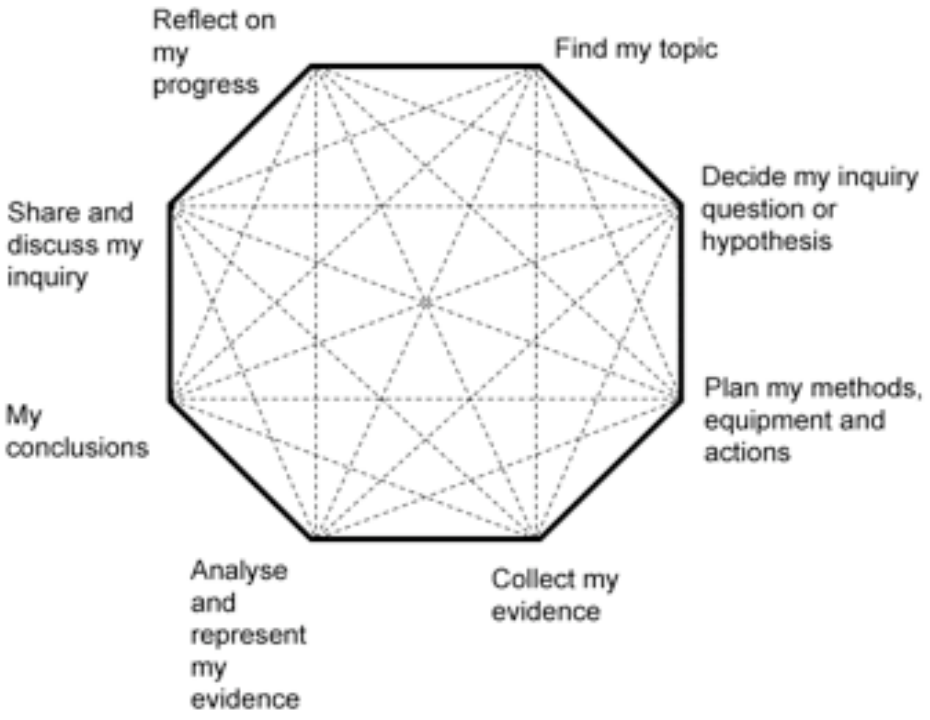
Personal Inquiry

Designing for evidence-based inquiry learning

nQuire: Inquiry learning across contexts



The **Personal Inquiry** project
Inquiry-based learning across formal and informal settings
Sharples, Scanlon et al.
http://www.pi-project.ac.uk/

nQuire Is my diet healthy?

Is my diet healthy?

- Inquiry front page
- Inquiry structure

- Go back to Collect my data

- People and groups
- Share content
- Submit inquiry results
- Rate inquiry

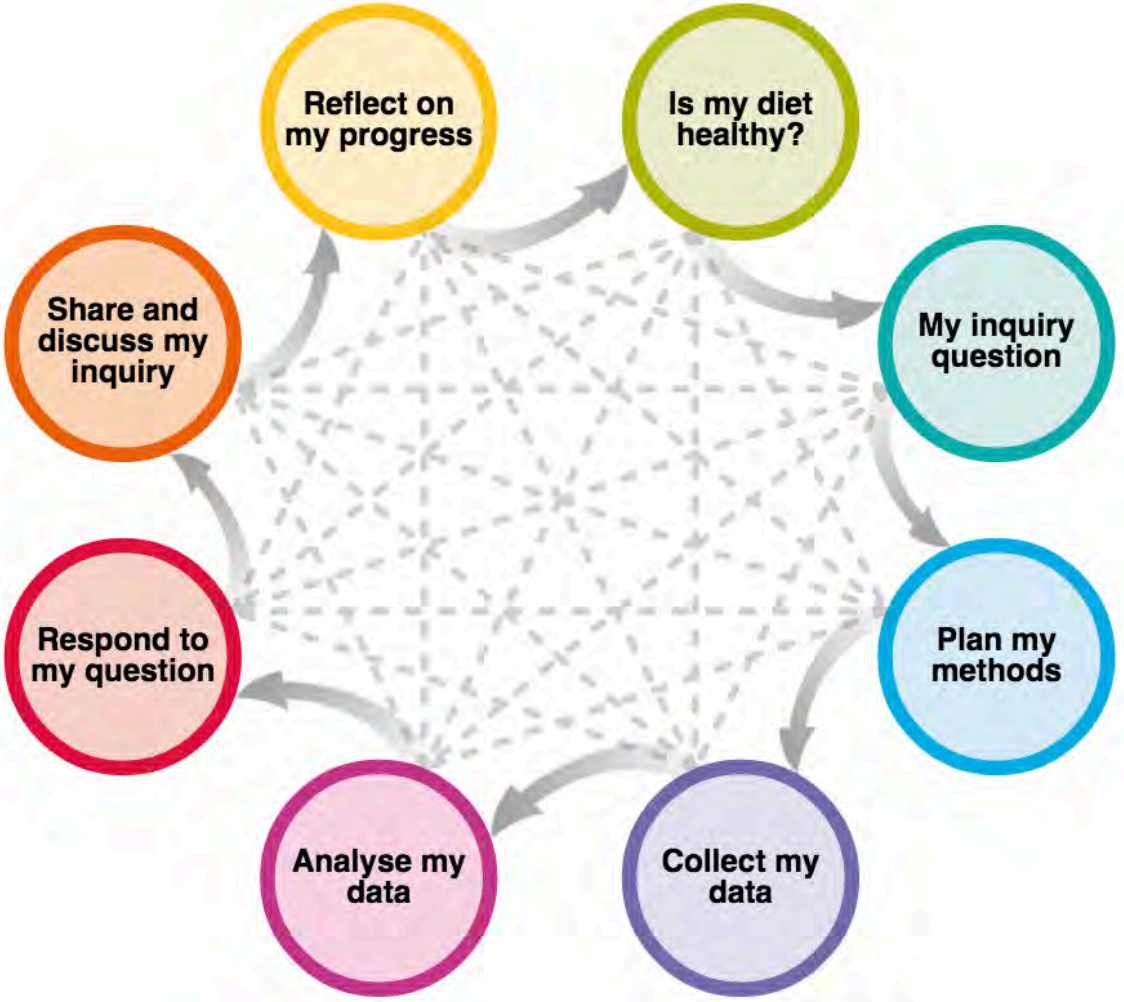
- Promote this inquiry
- Edit this inquiry

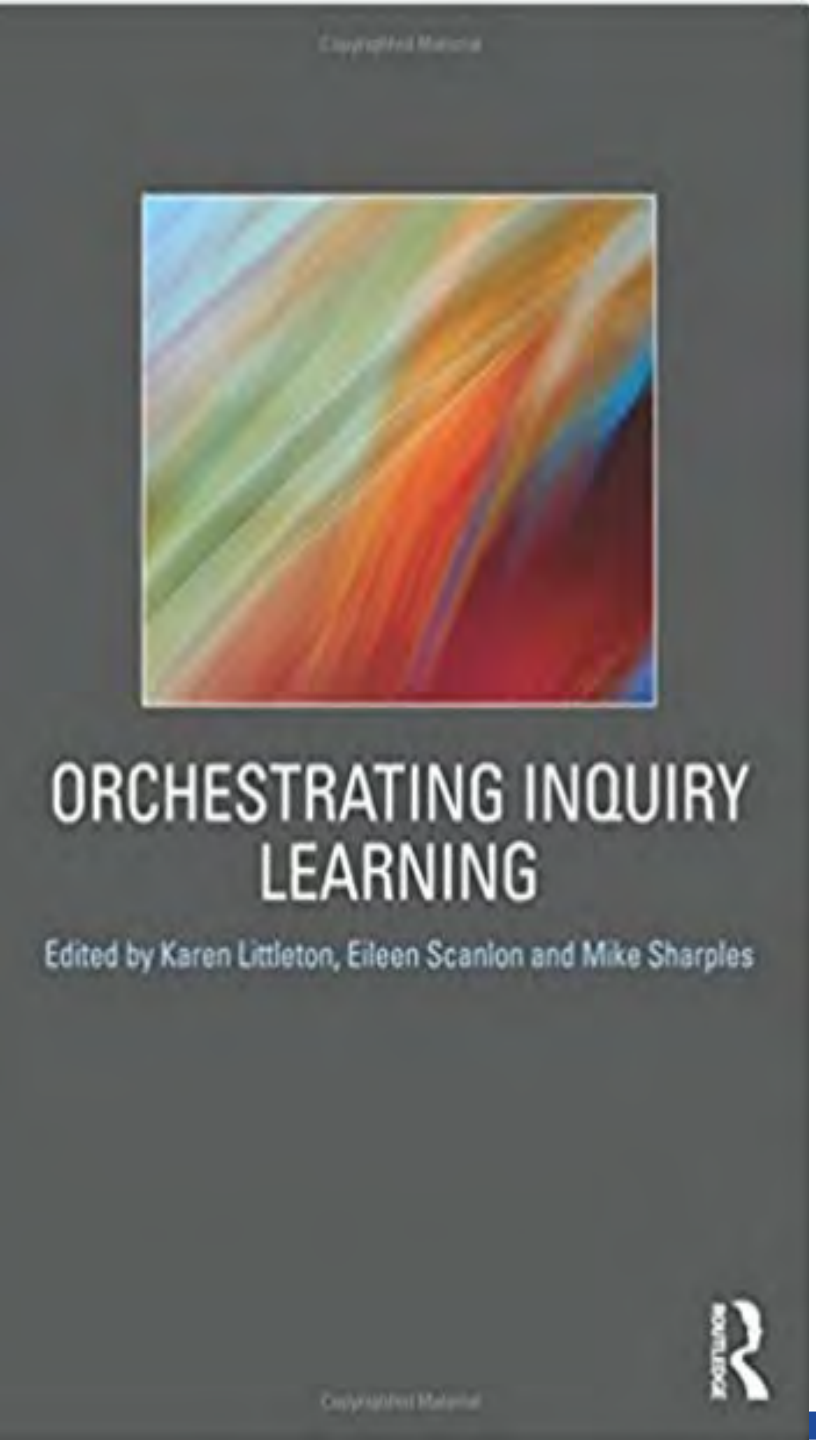
Recent activity

Shared content in this inquiry:

- Select my measures updated by **me**.
  On 11/09/2014
- My data updated by **me**.
  On 23/06/2014
- My notes shared by **me**.

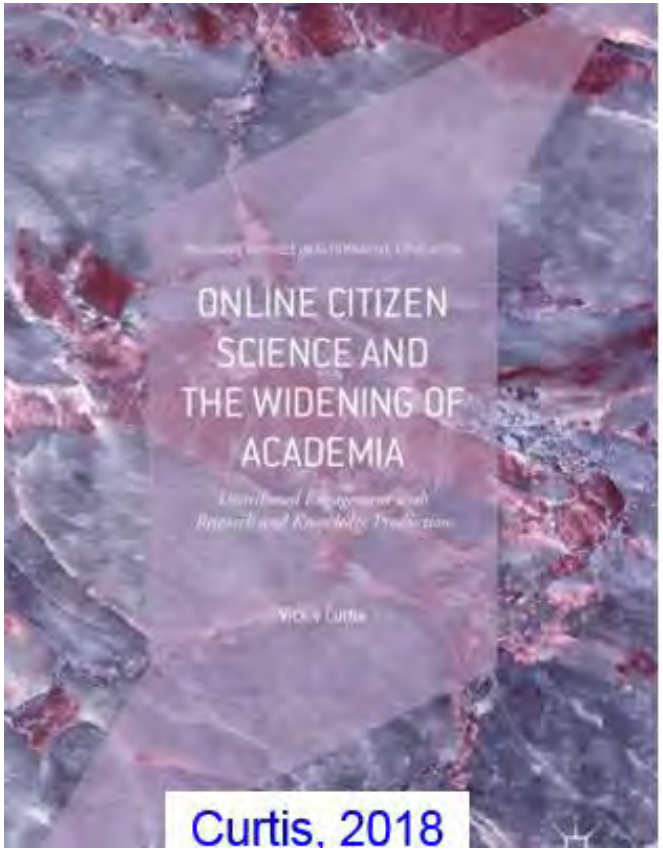
To view any phase of this inquiry, click on its circle. You can start at **Is my diet healthy?**.





The Open University

"Orchestrating Inquiry Learning addresses the key challenge of how to resource and support processes of inquiry learning within and beyond the classroom. It argues that technological support, when coupled with appropriate design of activities and management of the learning environment, can enable inquiry learning experiences that are engaging, authentic and personally relevant."



Public self-organisation

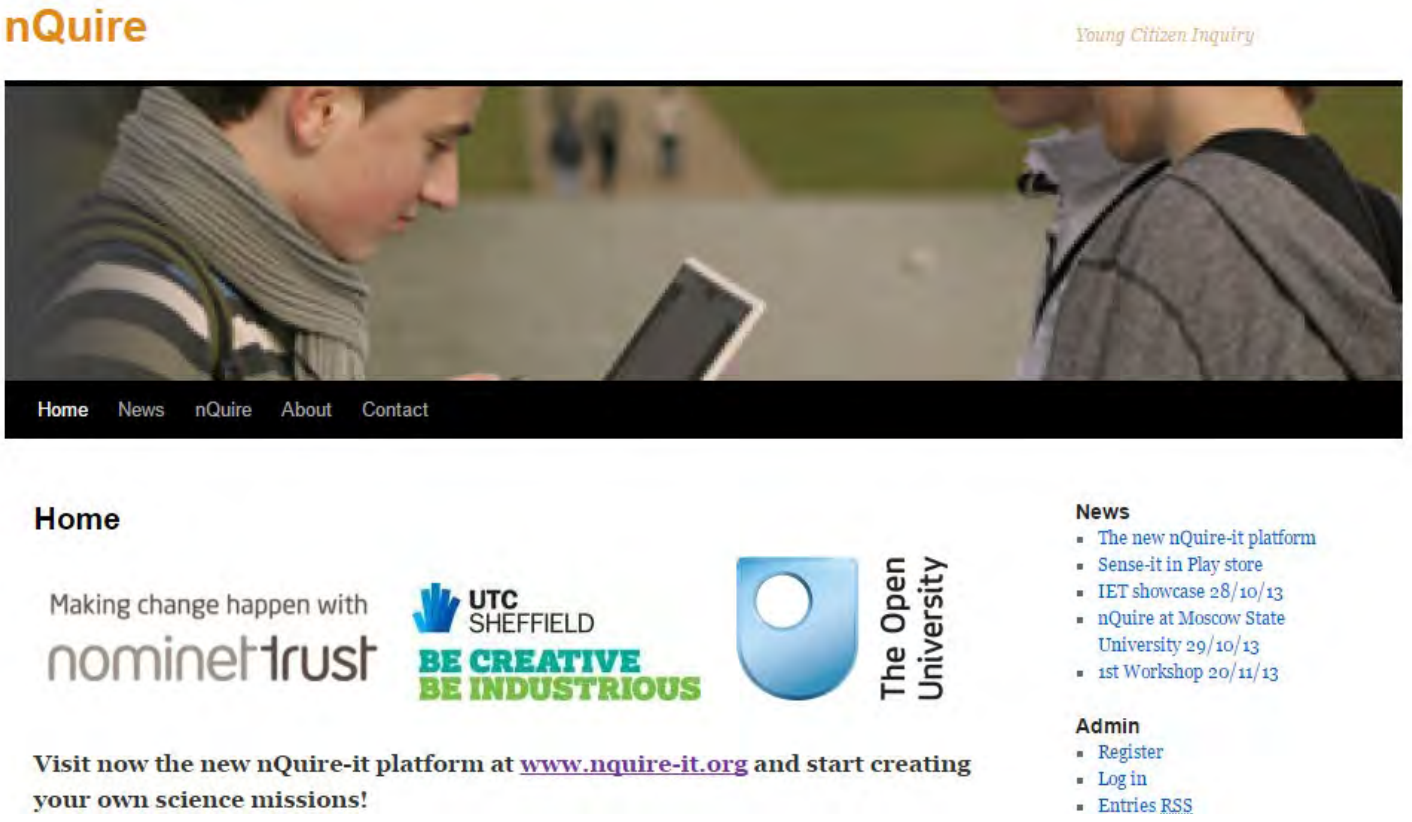
"To what extent the views of citizen scientists are taken into account, or how (and if) they are consulted when changes are made to a project may need to be considered [...]

These observations raise issues relating to governance, and to what extent the participants are, or can become involved in influencing decisions relating to the project."

Curtis, 2015: 287-8

nQuire-it by Nominet Trust

Young people and citizen science



- **Open access tools for scientific investigation in collaboration**
- **Support for creating personally meaningful investigations**
- **Reinforce positive attitudes about science.**

nQuire-it platform

www.nquire-it.org

Sense-it missions make use of the Sense-it mobile app to collect and share data using smartphone sensors.

Spot-it missions allow users to capture images and spot things around them.

Win-it missions text-based missions, set challenges with prizes for the winners.

Social features: comments, forums, SNS

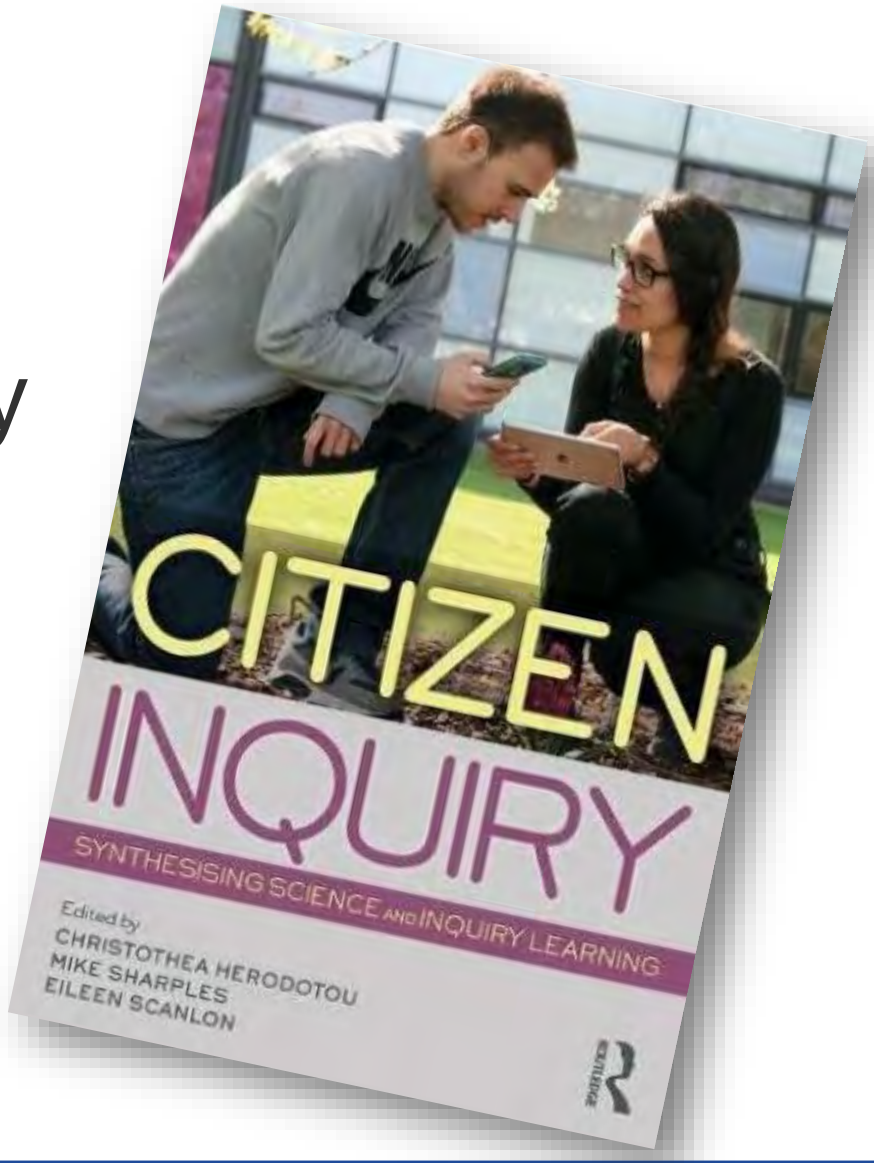
Citizen inquiry

Inquiry-led science investigations with members of the public

citizen science

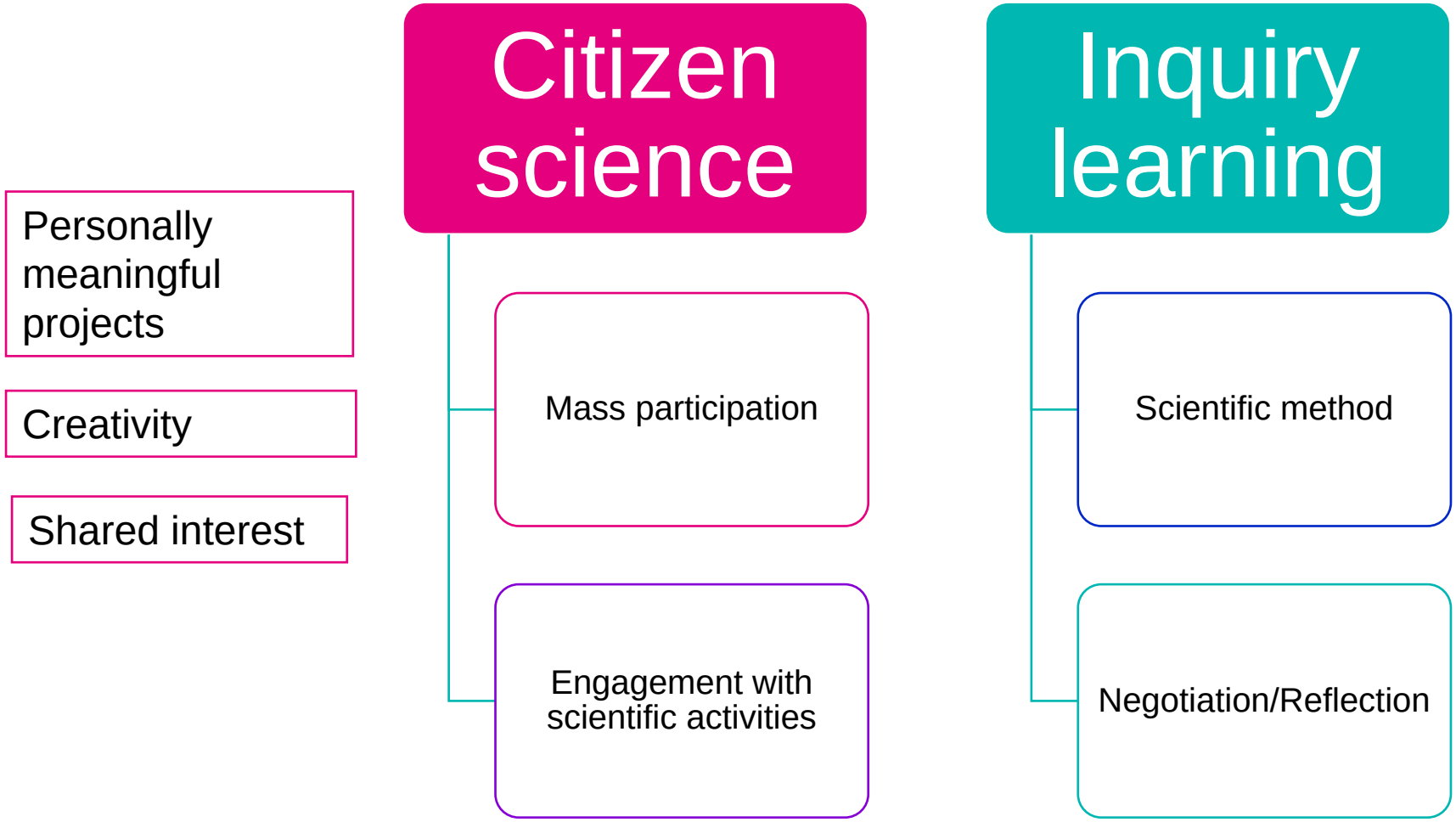
\+ collaborative inquiry learning

\+ crowdsourcing



Citizen Inquiry

Educate the public through participation in citizen inquiry



Representing 'publics'

JessCarr Ph D project

My Life My Choice

mylifemychoice.org.uk

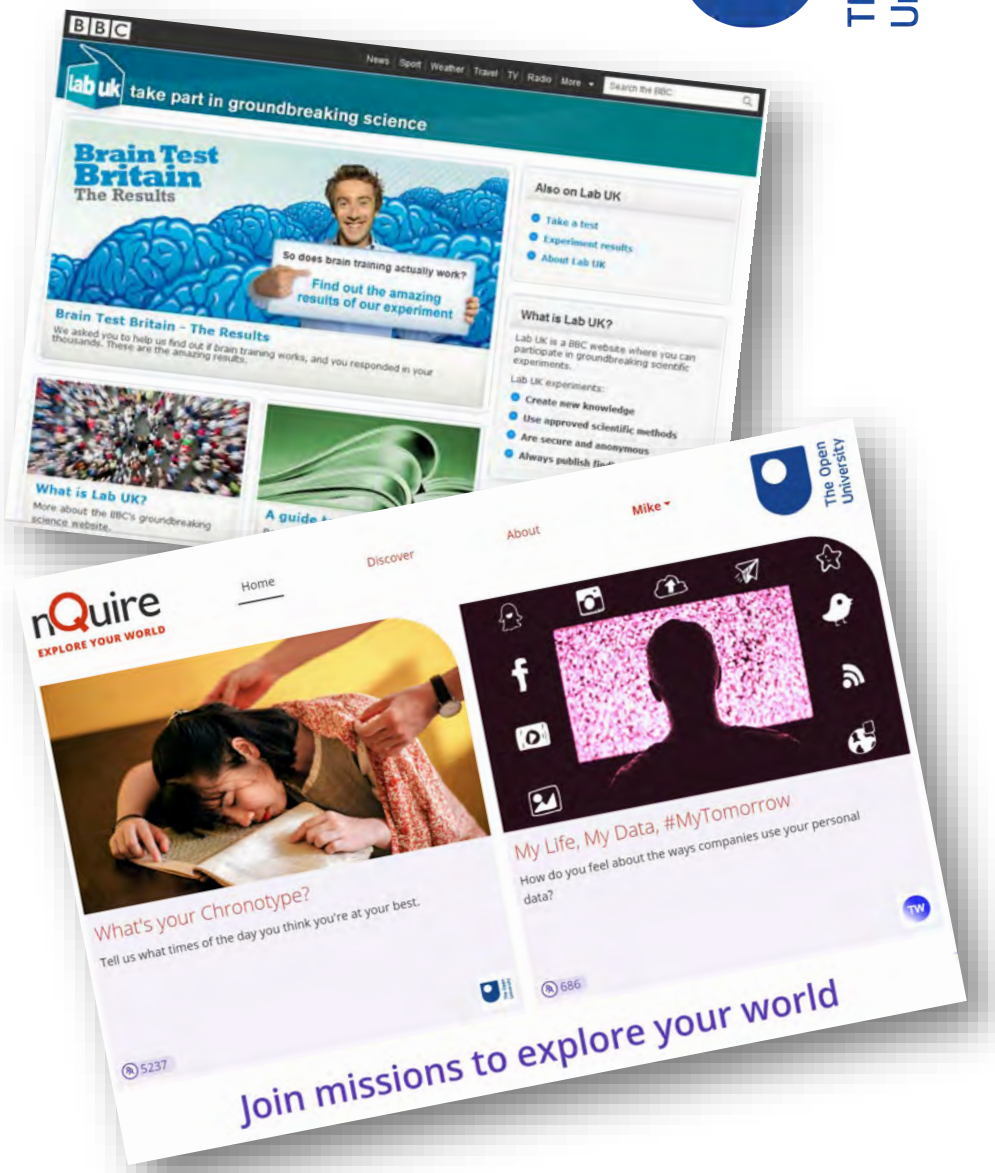
"This is research in which those who tend to be objects of other people's research become agents in the conduct of research, ensuring that such research addresses issues that are important to them and includes their views and experiences."

Seale et al. 2014: 347

nQuire platform

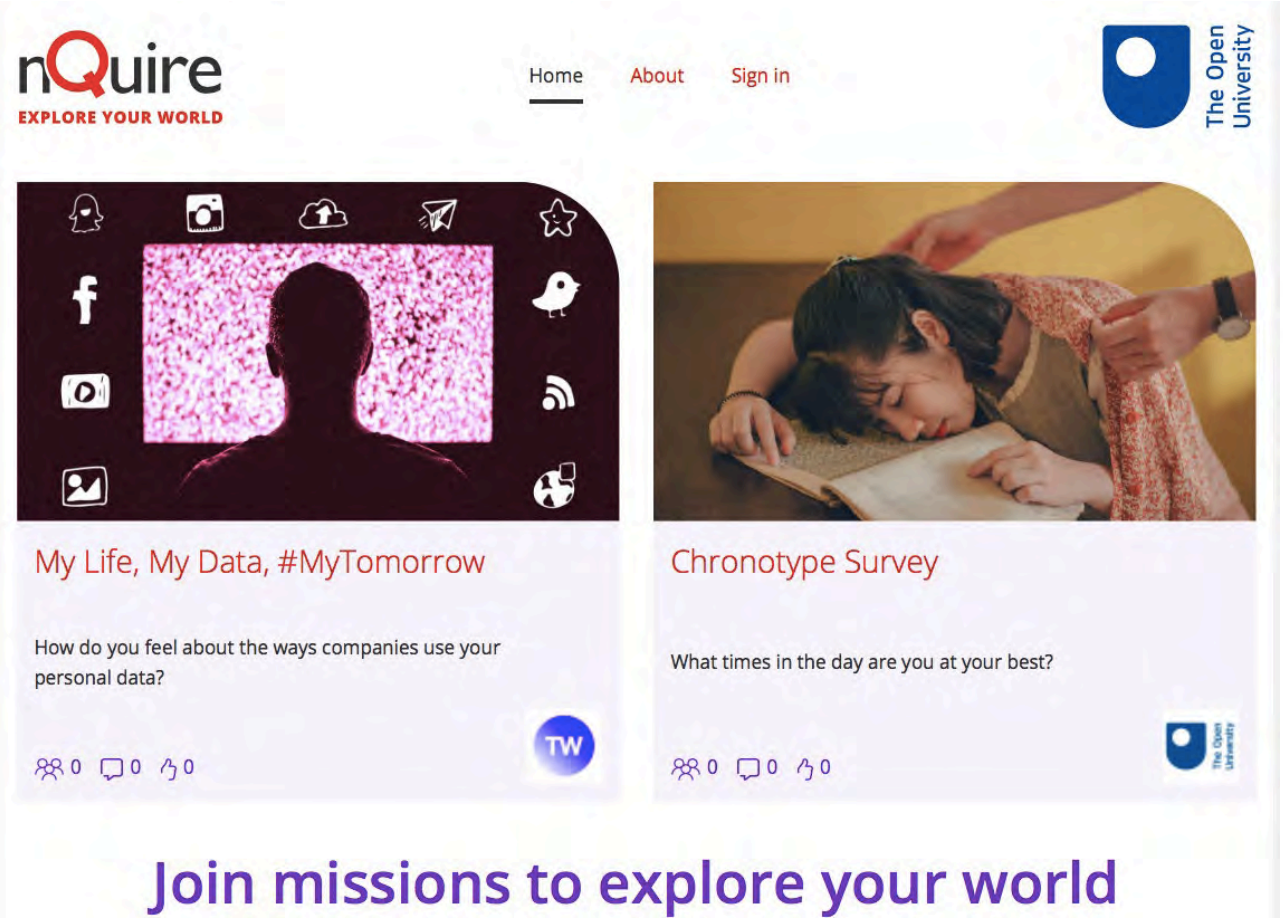
www.nquire.org.uk

- Collaboration with BBC
- Extends citizen inquiry to include mass surveys
- Confidential ‘survey’ missions, and open ‘social’ missions
- ‘Explore myself and my world’



Tomorrow's world nQuire

www.nquire.org



BBC TOMORROW'S WORLD
Life's big questions answered

Open and closed missions
Personalised feedback

Herodotou, C., Aristeidou, M., Sharples, M., Scanlon, E. (2018). Designing citizen science tools for learning: lessons learnt from the iterative development of nQuire. Research and Practice in Technology Enhanced Learning, 13(4) OPEN ACCESS.

www.nquire.org.uk

The Open University

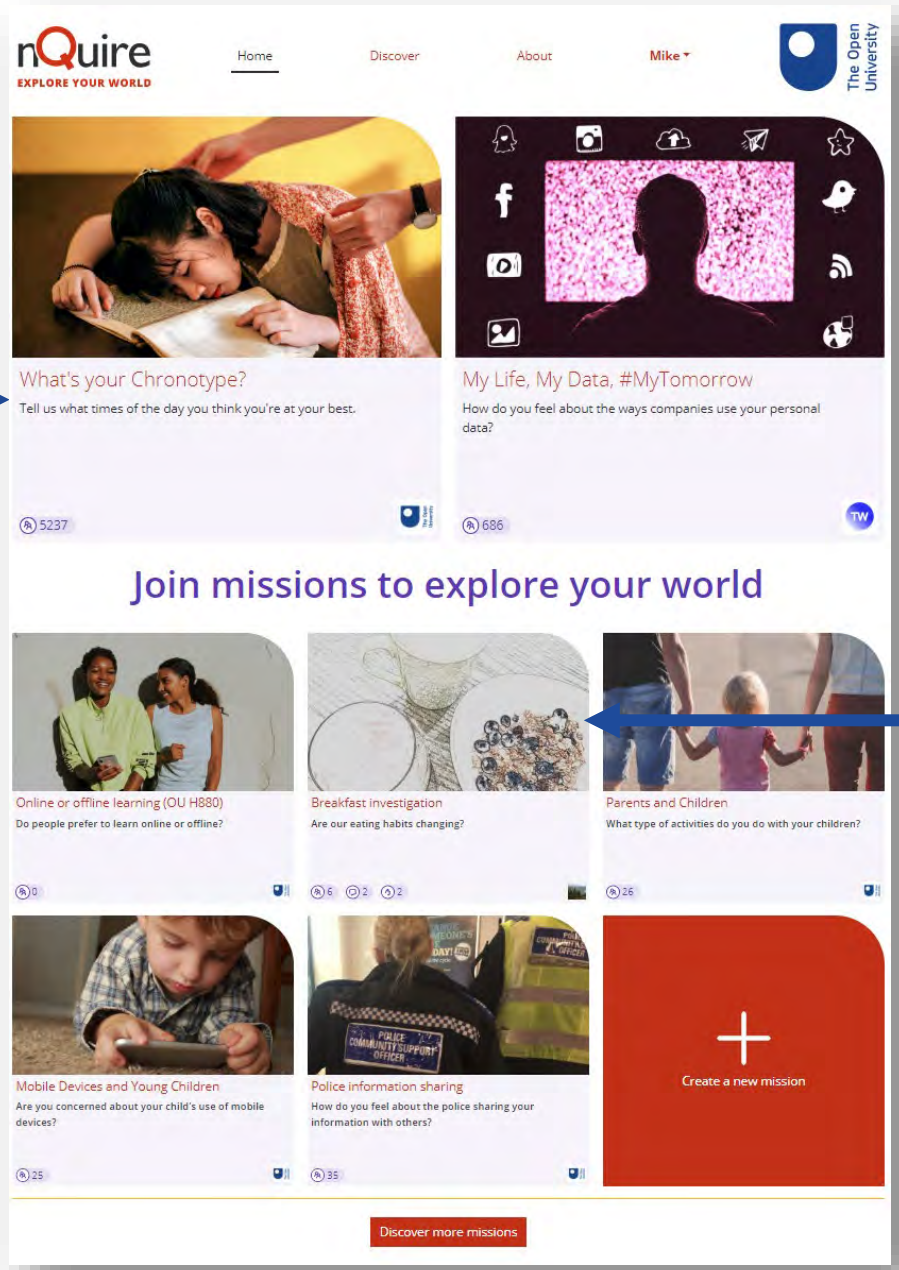
Survey of students to discover their sleep patterns

Public survey of attitudes to personal data

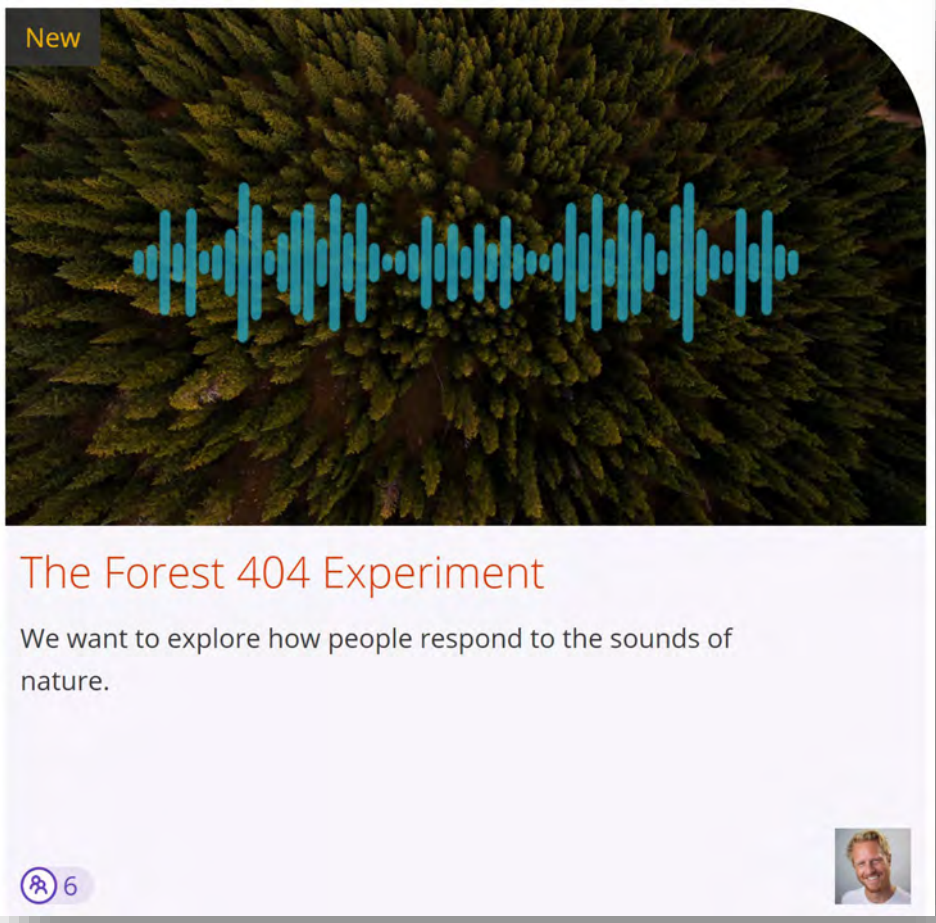
Open ‘social’ investigation of changing eating habits

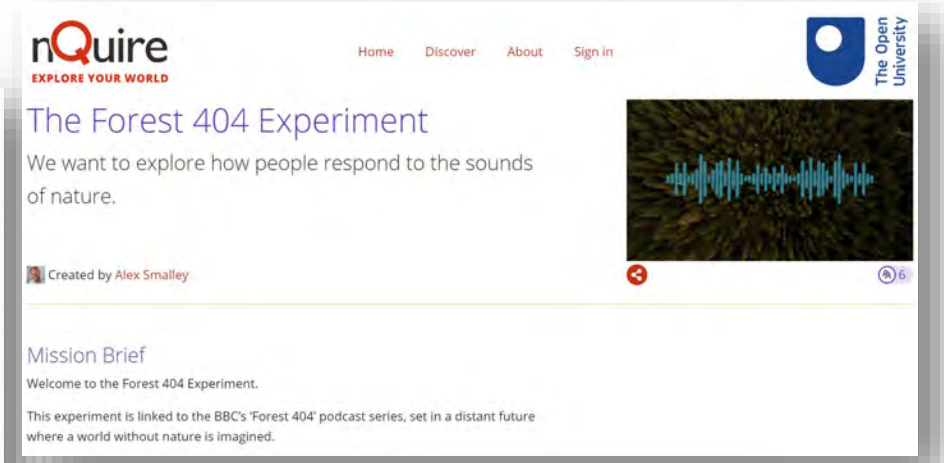
Students on OU FutureLearn course run investigations into online and offline learning

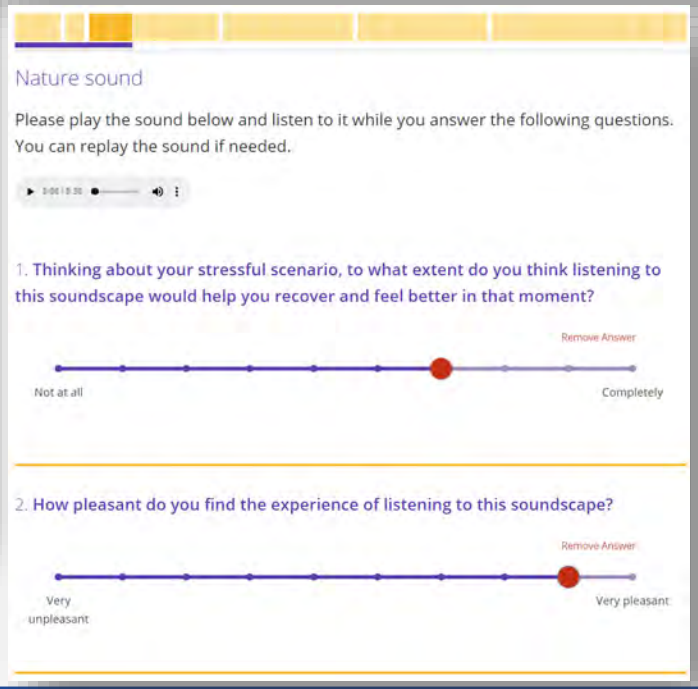
Authoring tool, to create new nQuire ‘missions’



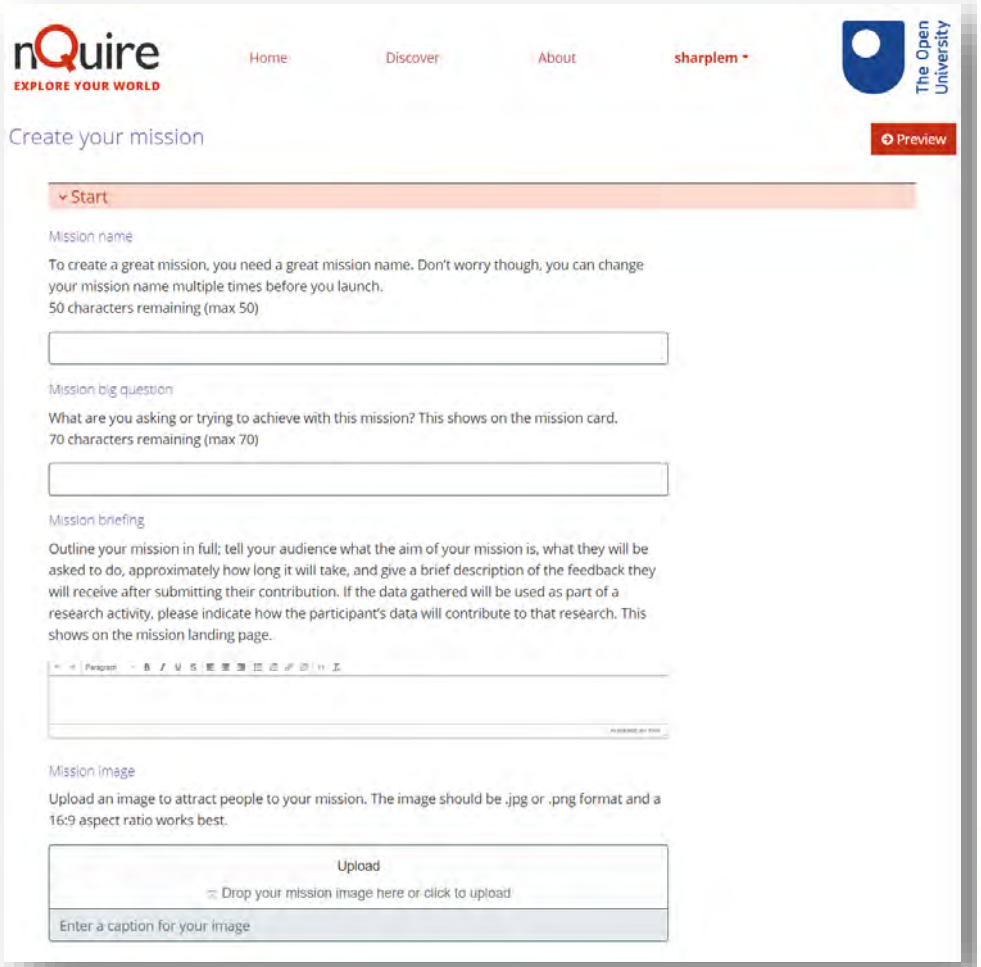
‘Confidential’ survey-type mission from BBC, with multimedia

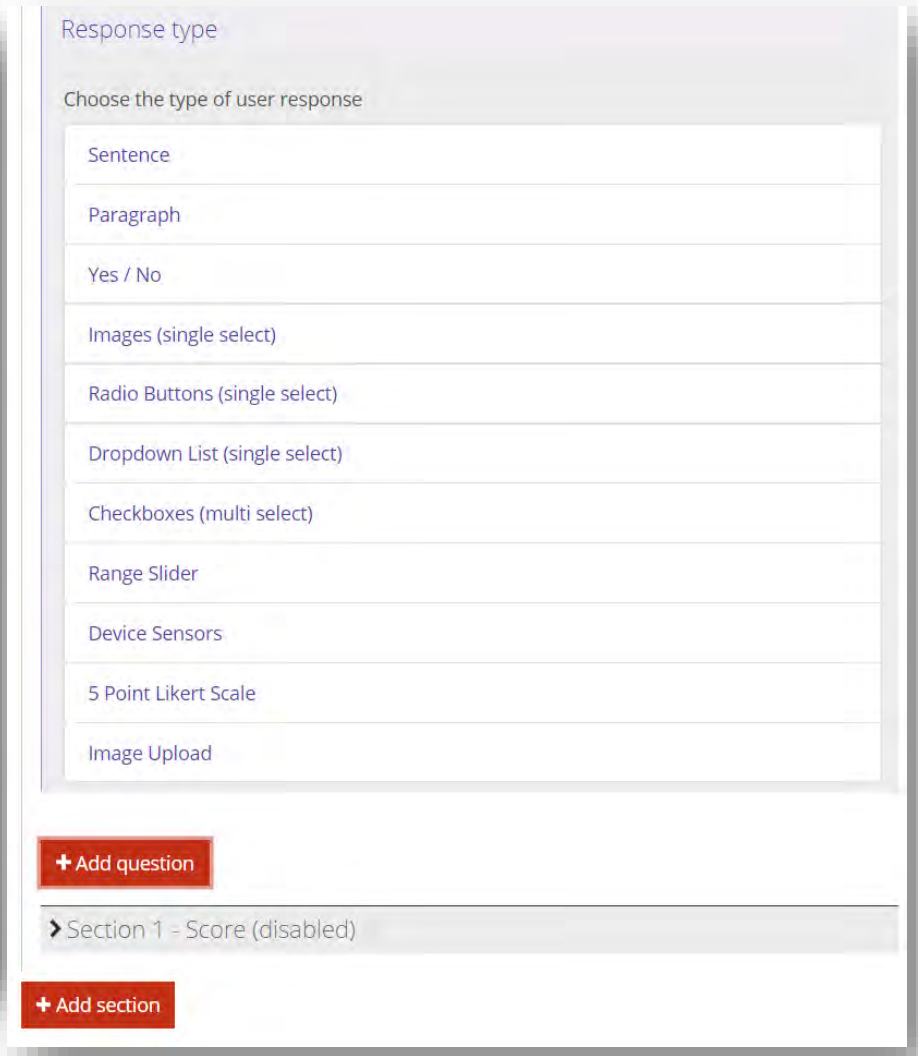






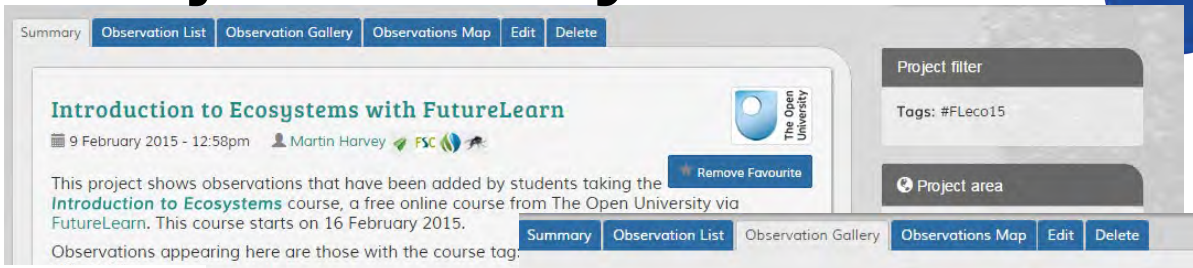
Authoring tool

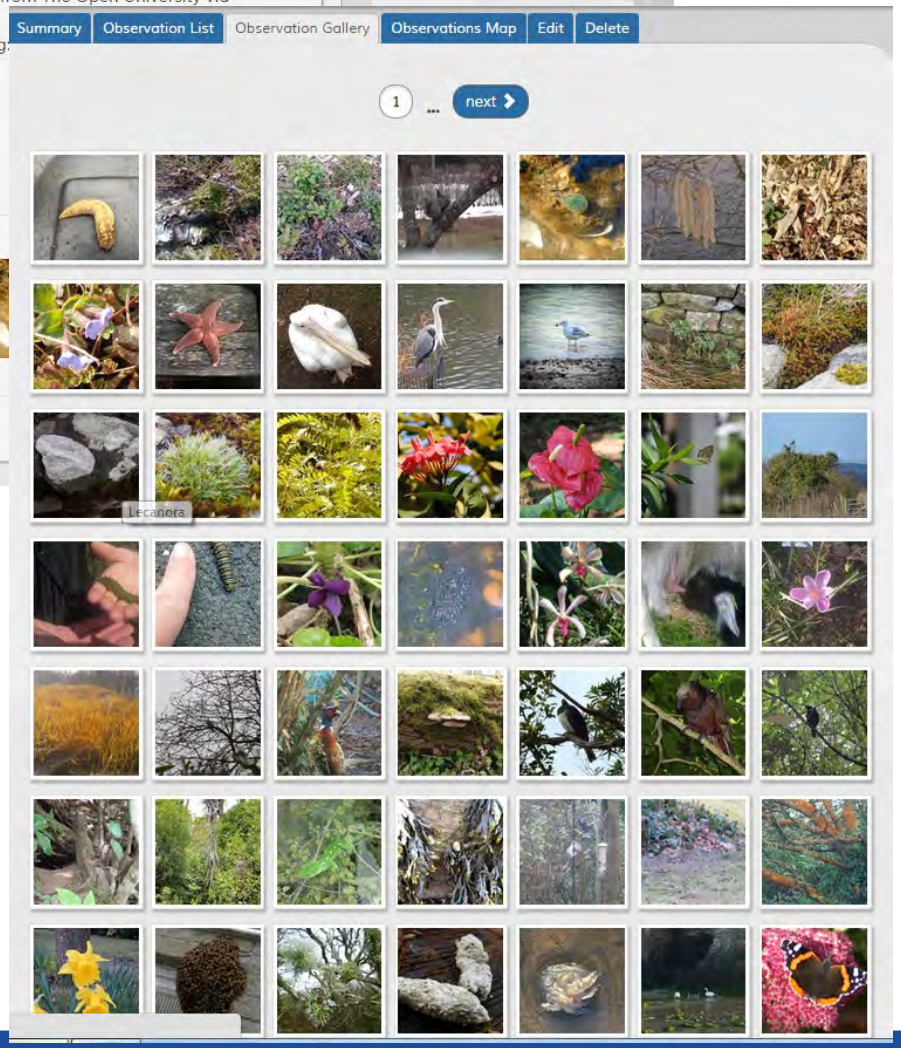


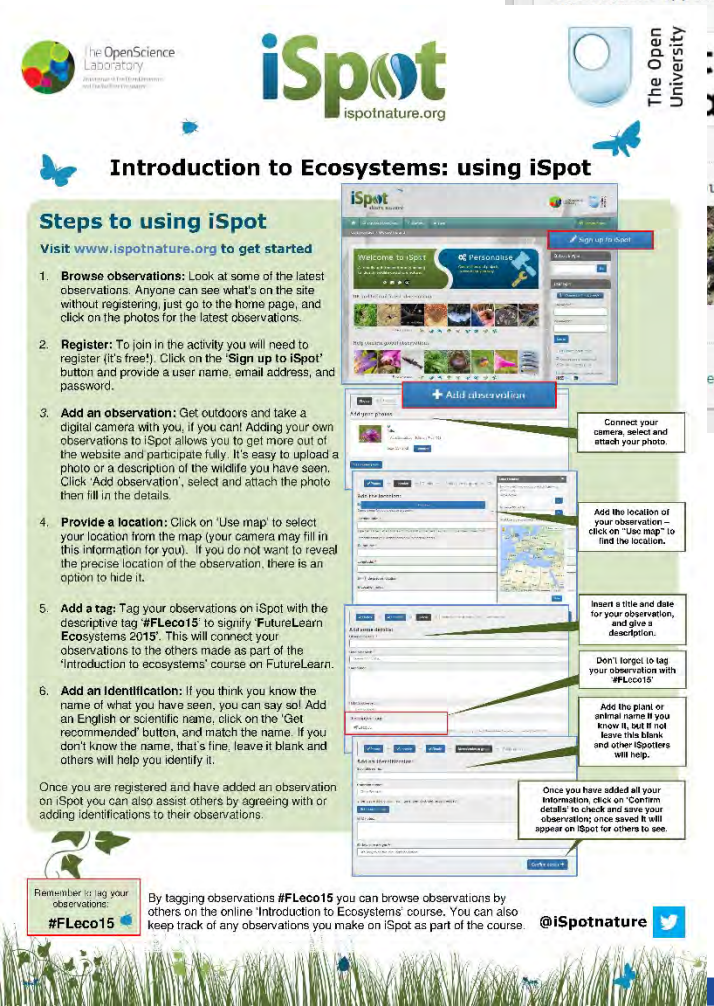


iSpot Project: Ecosystems MOOC

The Open University







Acknowledgements

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