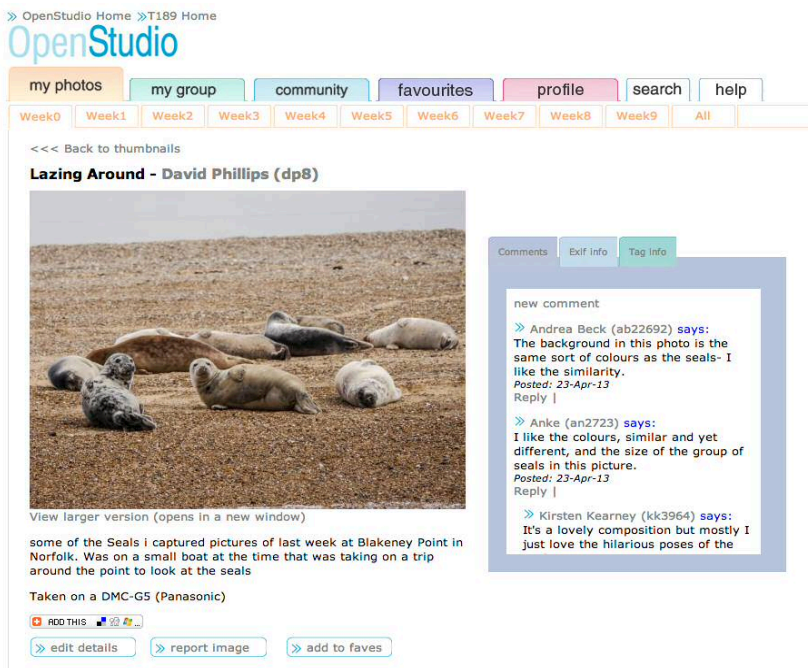# Using OpenStudio in STEM learning

Elaine Thomas, Leonor, Barroca, Helen Donelan, Karen Kear, Jon Rosewell
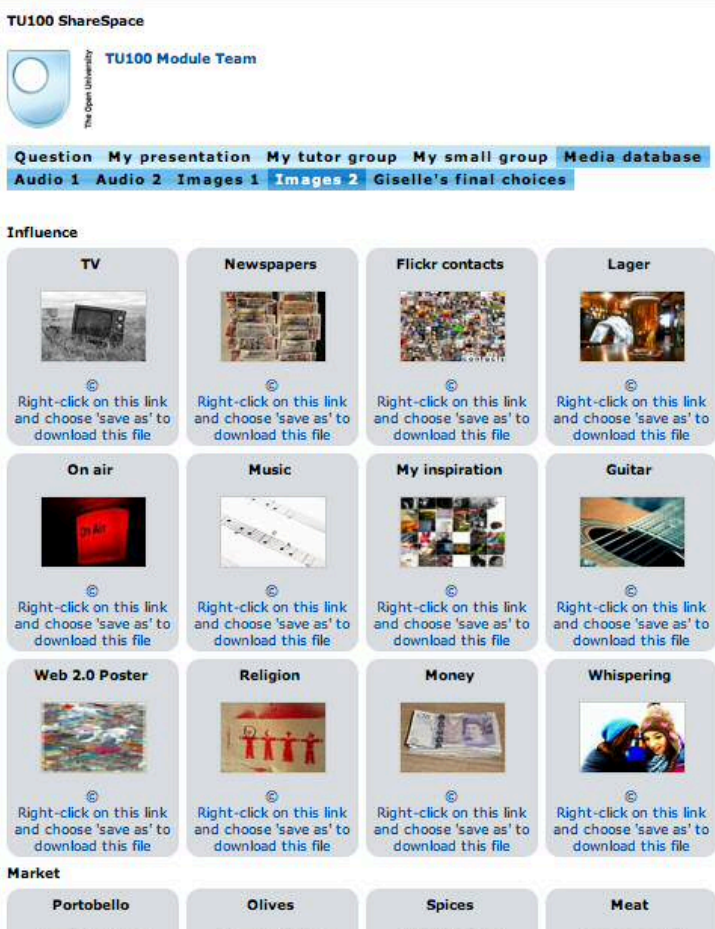

OpenStudio:

OpenStudio, developed by the Open University, enables students to create and upload audio-visual resources, and to engage in dialogue with their peers, their tutors and their module team around these resources. The project aims to explore the use of OpenStudio in STEM disciplines, with a view to providing information about the ways in which it is already being used in modules, and collating evidence of good practice. OpenStudio goes by many names: ShareSpace, OpenDesignStudio, DisplayWall, Open Engineering Workspace.

The main research questions for the project are:

1. How is OpenStudio being used in STEM subject teaching across the Open University?
2. How are students using OpenStudio in their learning?
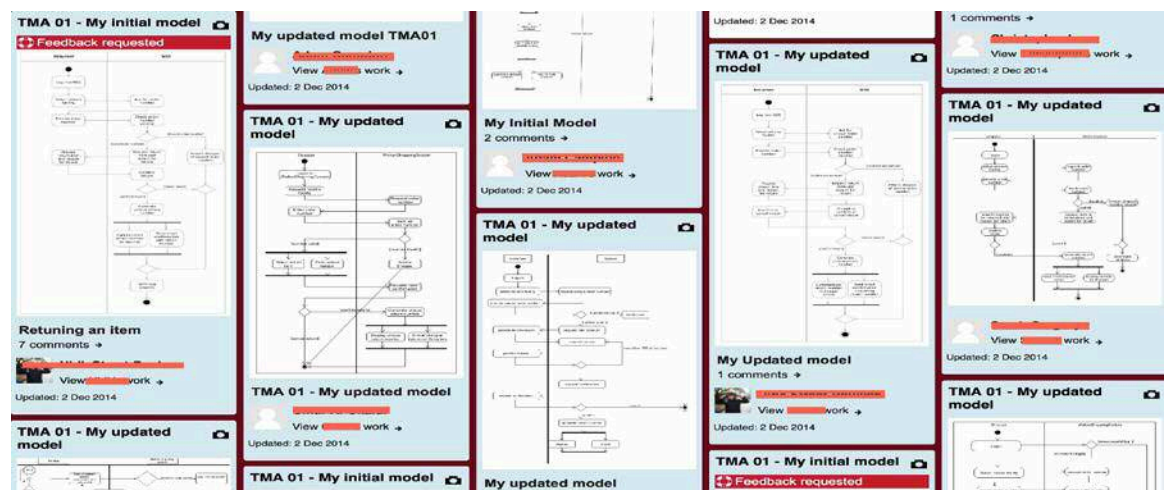3. How do tutors use OpenStudio to support students in their learning?

Two phases:

1. Identify the aims and objectives of module teams from STEM disciplines in the design and development of learning activities involving OpenStudio.
2. Carry out a small-scale study to explore:
   a) the experiences of students in using this environment.
   b) the views of tutors supporting students in using this learning environment.
   c) the value of an artefact-centred conversation in students' learning

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