Report on the engagement event at the University of St Andrews

Sanna Rimpilainen

Document reference number	DHI+DDMMYY+doctype+000X ***DHI191115O0001***

	o E = exploratory report
	    o L = lab report
	    o F = factory report
	    o S = summary document
	    o LR = literature review
	    o RR = research report
	    o MR = market research
	    o MAP = mapping
	    o V=video
	    o O= other

Publication date	11/19/2015
Revision date	
Revision number	

Purpose of document	Event report
Event detail (delete row if appropriate)	The DHI held a University engagement event at the University of St Andrews on 19th November 2015.

Related projects	Names and doc reference numbers
Keywords	(separated by ;)

Report on the engagement event at the University of St Andrews

The DHI held a University engagement event at the University of St Andrews on 19th Nov. The afternoon long seminar was organised by Dr Sophie Mullins, a Business Development Executive from the Knowledge Transfer Centre, and held at the Byre Theatre Conference room. Sophie told us on arrival that they had unfortunately experienced a breakdown in communication in advertising the event. We had a small but very engaged audience from Computing.

Veronica Arias, Aaron Wood and Sanna Rimpiläinen were present from the DHI. Sanna gave a presentation introducing the DHI, the Scottish policy context within which the DHI has emerged in, the openings for innovative solutions that the new policy changes offer, how the DHI operates, etc. Aaron and Veronica helped with answering questions regarding funding and engagement of projects. Some members of the audience were familiar with the other Innovation Centres, but they expressed surprise at how differently the DHI operates from the other Innovation Centres in terms of our in-take policy for new projects.

The DHI presentation was followed by three presentations from the representatives of the University of St Andrews. Dr David Harris-Birtill from Computing Sciences has an existing project with the DHI (050 – ReSBOSK) and he gave a very interesting talk explaining the work his team are carrying out on developing an Automated Remote Pulse Oximetry, which can scan larger numbers of people e.g. at an A&E department in one go to see if someone is in an urgent need of help. This work is based on a specialised camera set up, which can measure the person's pulse and the oxygen levels in blood through optical technology.

Dr Juliana Bowles from Computing Sciences presented work that her team are doing on automated conflict resolution in clinical pathways in order to care better for patients with multimorbidities. The software they are developing helps to determine which medications given to a patient with multiple conditions are likely to conflict, even be toxic in combination. Her project partners are mainly based in England, and she is interested in expanding her development work into the Scottish context.

Dr Tristan Henderson, also from the Computing Sciences, talked about his research on Informed Consent within digital research. Going from the norm of a single signed consent form at the beginning of a project to the concept of "sustained consent", he explained how his team are doing work to determine which areas of personal data people are statistically likely to consent for, and how this could improve

people's awareness of what they consent to in online or digital research. Tristan is going to expand his research into areas such as Quantified Self, which led to us talking about a possibility of organising an Exploratory on Informed Consent and how this could be realised more generally with our work, for example on Next Generation Digital Records. The theme of ethics and consent in the digital sphere is a major area of importance for the Digital Health and Care Institute.