

Smart Spaces and Diversity

An IT as a Utility Network+ workshop

Southampton University,

11 March 2013

Welcome

- Introductions and background to ITaaU
- Smart Spaces & Diversity – key issues
- Session – starting to explore key themes
- Lunch – buffet
- Session – Utility and the User
 - Does the platform model support diversity?
- Session – Expanding the ITaaU Network+
- Session – Future projects, UK, EU & beyond

IT as a Utility

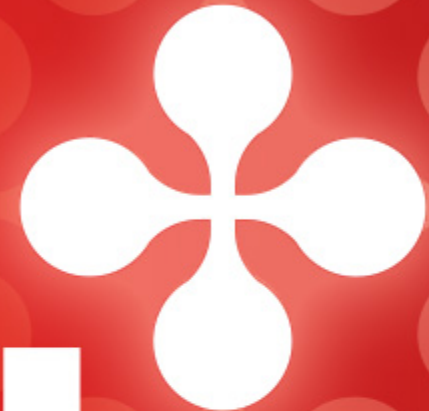
funded under Research Council UK's Digital Economy theme

The Digital Economy vision is of the transformational impact of digital technologies on all aspects of life.

What are we?

IT as a Utility (ITaaU) is one of the 4 sub-themes of the RCUK Digital Economy programme. The ITaaU Network purpose is to promote and enhance the community interested in this aspect of the DE programme and help co-ordinate activities in this area.

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ItaaU: partners and collaborators

- PI and Co-Is:
 - Jeremy Frey (University of Southampton) PI
 - Gerard Parr (University of Ulster)
 - Mark Sandler (QMUL)
 - Richard Mortier (University Nottingham)
 - Mike SurrIDGE (University of Southampton)
- The other sub-networks
 - Sustainable Society, Communities and Culture.
 - New Economic Models



Advisory Group

- Peter Grindrod - Chair of Advisory Group, University of Reading, member of the Digital Economy Programme Advisory Board.
 - Paul Watson - Newcastle University
 - Sean Ralph - DSTL
 - Jon Crowcroft- University of Cambridge
 - Liana Chang - USTWO
 - Jamil Appa - Zenotech
 - Jonathan Leigh-Smith - BT
 - Richard Egan - Thales
- David Cotterill - Government Digital Service (Cabinet Office)
 - Trevor Dolby - IBM
 - Kenji Takada - Microsoft
 - Mervyn Middleby - BBC Research

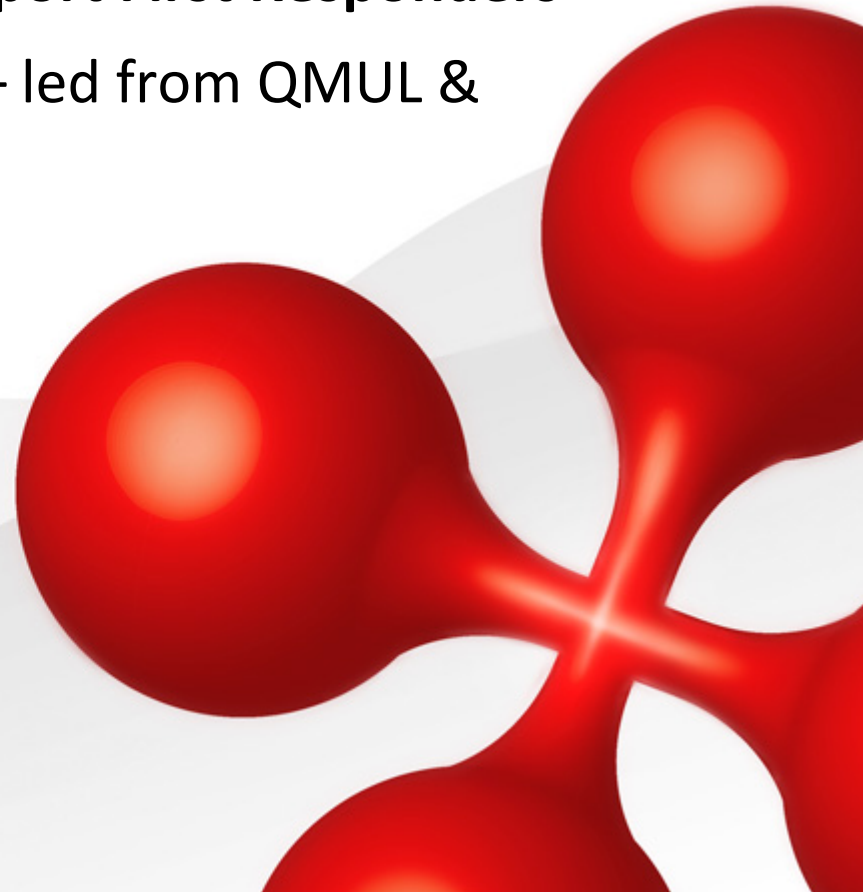
First two successful pilot projects recently confirmed:

- **Trusted Tiny Things** – led from University of Aberdeen
- **Using Wireless Networks to Support First Responders and Resilience in Upland Areas** – led from QMUL & Cambridge

Pilot projects

Over the next 3 years we will periodically issue calls for Pilot Projects in the ITaaU area. These will be projects of up to £50k.

The first two successful pilot projects have just been launched.



Call 1 now open

“a temporary transfer to a new research environment”

Secondments

Over the next 3 years we will periodically issue calls for Secondment Projects in the ITaaU area between academic and industrial, commercial or governmental research groups.

opportunities for career development,
sectoral knowledge transfer and access to
short term skills for project development

- Smart Spaces and Diversity
- Emerging Economies: International Perspectives
- Libraries of the Future
- Broadcast Media and Social Media
- Data as a Utility, Hardware as a Utility

Plus:

- Sandpits and Workshop+ events
- International Best Practice Exchanges



Workshops

We plan several types of workshops for the ITaaU:

- Network: Community Scale Workshop / Conference
- Facilitated Focussed Workshops and Sandpits
- International Best Practice Exchange Workshops

Smart Spaces and Diversity

- E-Research South: Smart Spaces
 - “Well-designed spaces can enhance the quality and effectiveness of our communications, especially when those spaces are supported by smart systems.”
- Smart spaces & smart systems
 - Sensors, transmitters, decision makers & actuators
 - Uses: automotive, healthcare, energy, logistics...
 - Smart systems becoming smarter, more intelligent
 - Internet of Things – automating info/data creation
- Smart spaces – no fixed definition? Many opportunities – context-aware environments

Diversity

- What do we mean by diversity?
 - Increased recognition of differences amongst people
 - Home and workplace health, safety and welfare
- Why tackle discrimination?
 - The Equality Act 2010 became law in October 2010, replacing the Disability discrimination Act, the Race Relations Act and the Sex Discrimination Act.
 - nine 'protected characteristics': Age, Disability, Gender reassignment, Marriage and civil partnership, Pregnancy and maternity, Race, Religion and belief, Sex and Sexual orientation.

Discussion points

1. What is public's understanding of diversity?
2. What is the awareness of benefits and opportunities of ITaaU/IT Utilities?
3. Smart Spaces – work and social places, homes
 1. where are the quick wins and the pain points?
4. Utilities vs. Services – benefit and limitations?
5. The affect of the platform model on diversity?
 1. Amazon, Google, Facebook and Apple...
6. What can the ITaaU Network+ do to contribute?