Informed learning through social living labs: An innovative approach to information literacy for changing work contexts

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Changin workplace – work contexts
Digital and collaborative capabilities
Informed learning - framework
Social living labs - context and process
In practice: healthcare interprofessional practice
Questions
Changing work contexts

- Globalisation - push for innovation
- Big data & artificial intelligence
- Disappearance of routine work - especially low and mid-skilled
- Gig economy - independent contractors, short-term contracts
- Demand for diverse capabilities – including digital literacy
- Flexible, collaborative - multi-disciplinary, multi-cultural contexts

(Baller, Dutta & Lanvin, 2016; Crawford, 2013; Mason, Fleming, Paxton & Singh, 2017; OECD, 2016)
Learning needs for contemporary work contexts

- Education pressure - uncertain future
- Traditional PD - ‘empty compliance’ (Calvert, 2016)

Alternative - informed learning through social living labs
What is informed learning?

- Experiential, reflective approach to information literacy (Bruce 2018)

- *Using information to learn* – education, community and workplace (Bruce & Hughes, 2010; Bruce, Hughes & Somerville, 2013)

- *Information* - anything that informs in a particular context

- *Learning* - expanding awareness through experiencing aspects of the world in different ways (Marton & Booth, 1997)

- Contextualised - relevant to learners’ interests and needs
Principles of informed learning

Informed learning:

1. Takes into account *learners’ experiences* of information use and learning

2. Promotes *simultaneous learning* about information use and a particular topic

3. Brings about *changes* in learners’ experience of information use and understanding of the topic

(Bruce, 2008)
Characteristics of informed learning

- Active
- Balanced
- Creative
- Collaborative
- Inclusive
- Reflective
- Socially responsible
- Contextualised
- Eclectic
- Expansive
- Transformative
- Grounded

(Hughes & Bruce, 2013)
Living labs:
Emerging approach for community participation

User-centred, open innovation eco-systems based on a systematic user co-creation approach integrating research and innovation processes in real life settings.
(Garcia Robles, Hirvikoski, Schuurman and Stokes, 2015, p. 13)

exploration ~ experimentation ~ co-creation ~ evaluation

What is a social living lab?

- Community-based – participatory process
- Problem-solving and co-design
- Everyday problems - participatory do-it-yourself environment  
  (Franz & Ballon, 2015)
- Non-hierarchical – values local knowledge
The FDP project: Fostering digital participation through social Living Labs

- ARC-funded research
- Regional and rural Australia: Toowoomba, Townsville
- Develop digital confidence and skills
- Partnership SLQ & regional libraries

https://research.qut.edu.au/fdpp
FDP social living labs

Storyelling (young adults) Toowoomba

Mixhaus (community makerspace) Townsville

Home tutors (for migrant workers) Oakey

Cool clips (school students) Townsville
Informed learning + Social living labs for changing work contexts
Informed learning through social living labs
conceptual model

exploration - experimentation

co-creation

evaluation

active, balanced
creative, contextualised
eclectic, expansive
grounded
socially responsible

using info to learn

existing experiences of info use & topic

changes in experience of info use & topic

collaborative
inclusive

new learning about info use & topic

reflective
transformative

using info to learn

existing experiences of info use & topic
Informed learning through social living labs in context: healthcare interprofessional learning

Healthcare - changing work contexts
- Holistic healthcare
- Shared decision-making & health management
- Digital health technologies, e-health records
- Interdisciplinary teams
- Medical knowledge, collaboration, cultural fluency, reflection
- Health information and digital literacy
- Interprofessional learning

(Barr et al., 2017; Royal College of General Practitioners, 2014; WHO, 2010; Yates et al., 2010)
Scenario

GP surgery to smartclinic

GP surgery to smartclinic
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GP surgery to smartclinic

Informed learning for changing healthcare context

- Raised community awareness of health help - promotion of Smartclinic
- Health knowledge – obesity, nutrition, sustainable gardening
- Community information – demographic profile
- Share resource - research findings
- Digital capabilities & participation – Google +, dropbox, animation
- Informal interprofessional network

What’s different about a social living lab?

- Context and process for peer learning
- Critical thinking and creativity - real problem solving
- Digital participation and citizenship
- Personal buy-in and engagement
- Outcomes driven – practical, innovative solutions
- Community of informed learners
- Open-ended informed learning ecology

Thank you! Questions?


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Bibliography