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

Hilary Hughes
Michael Dezuanni, Marcus Foth, Kerry Mallan
Queensland University of Technology, Australia
h.hughes@qut.edu.au

Thematic overview

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

o Education pressure - uncertain future
o 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)

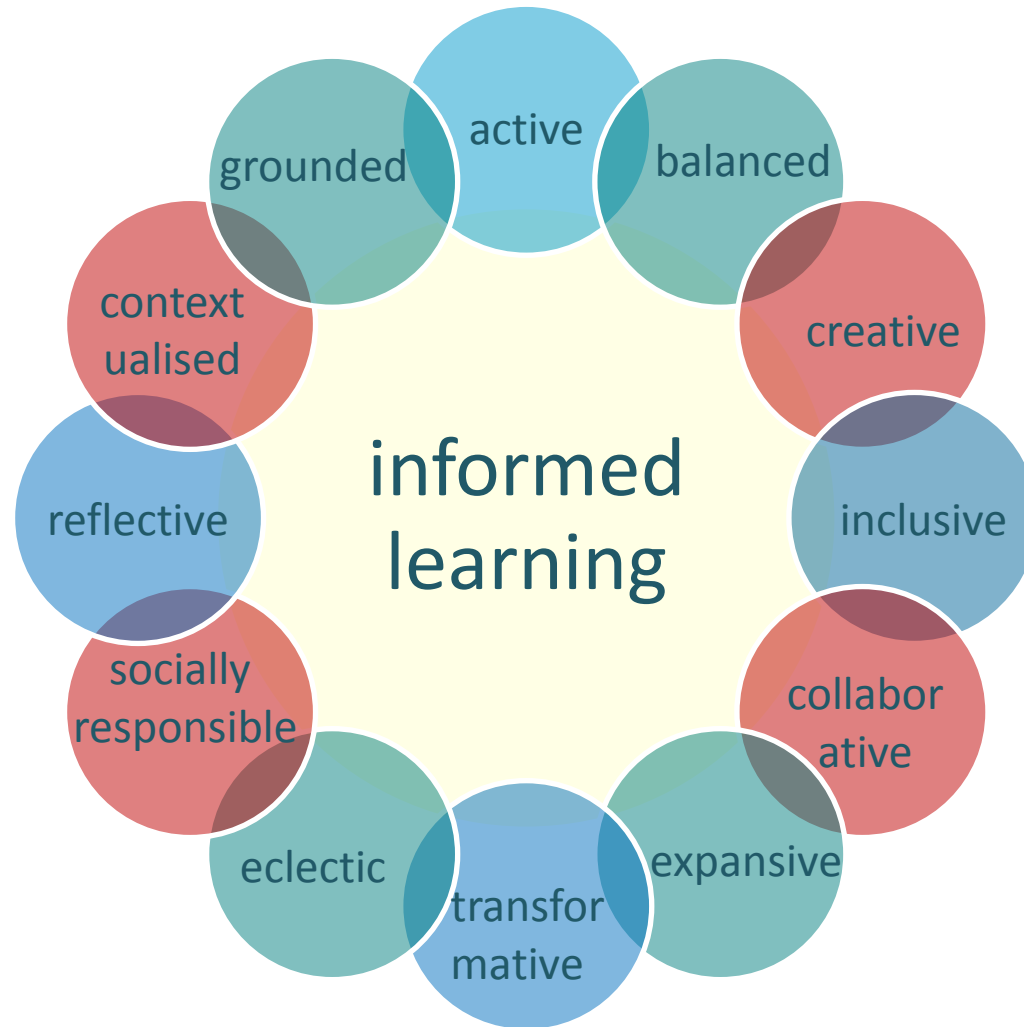- Contextualised - relevant to learners' interests and needs
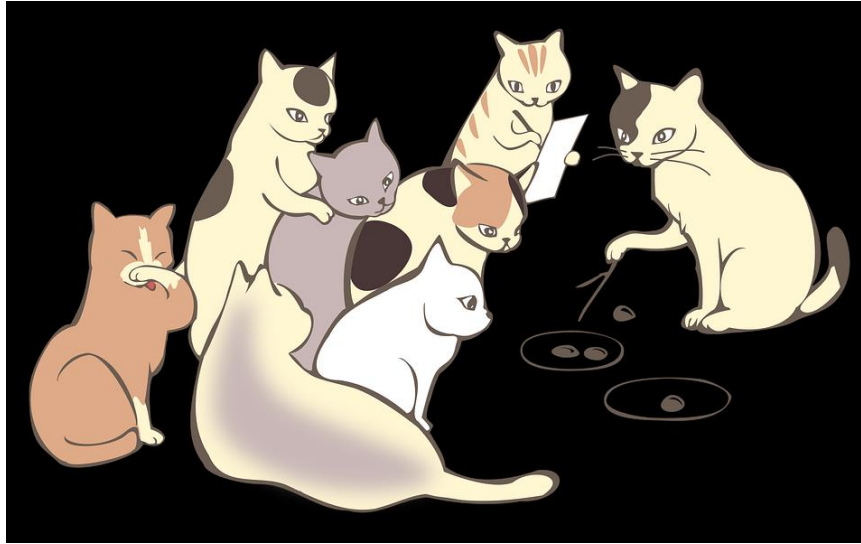
Principles of informed learning

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

(Hughes & Bruce, 2013)

Living labs:
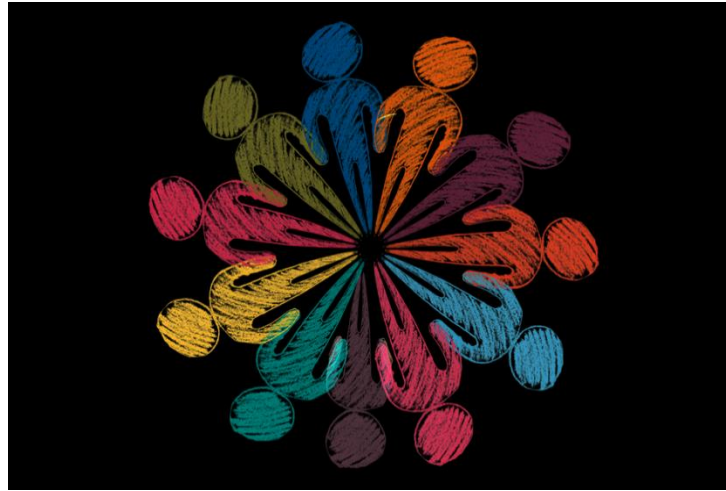# Emerging approach for community participation

*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

o ARC-funded research

o Regional and rural Australia: Toowoomba, Townsville

o Develop digital confidence and skills

o Partnership SLQ & regional libraries

   https://research.qut.edu.au/fdpp

East Creek Community Centre
Pittsworth Stories
Storyelling
Mixhaus
Cool clips
Literacy tutors for migrant workers
Food Rescue Townsville

FDP social living labs

Storyelling (young adults) Toowoomba

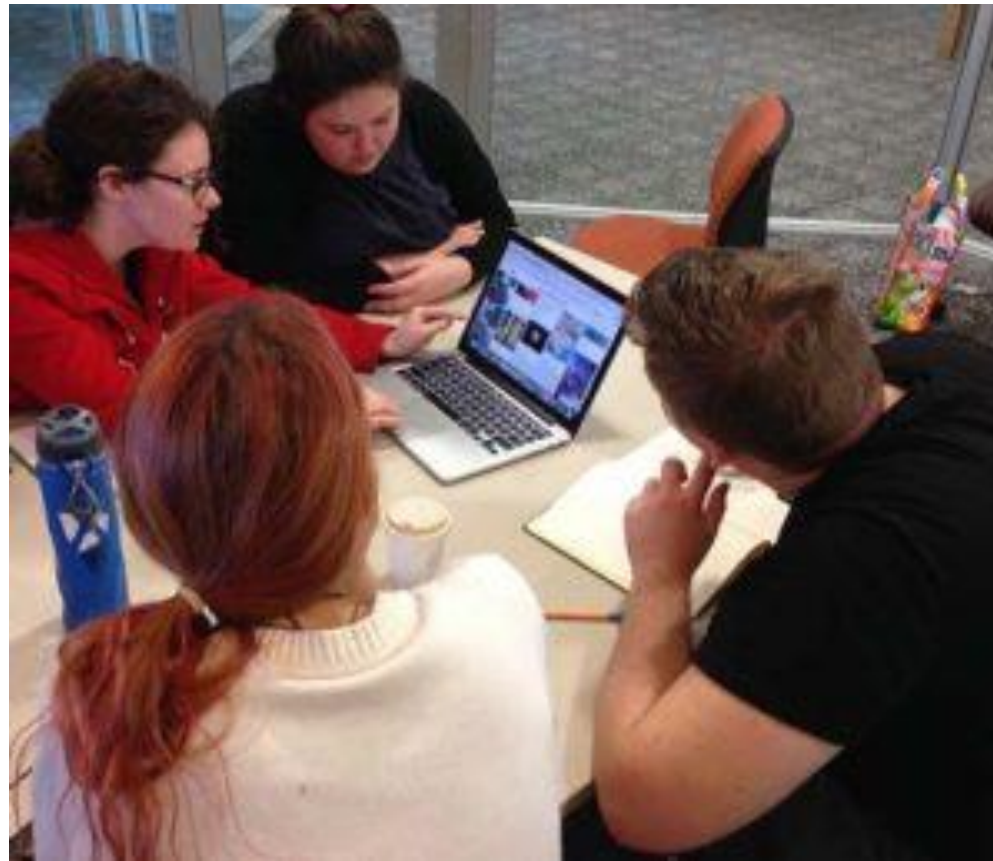Mixhaus (community makerspace) Townsville

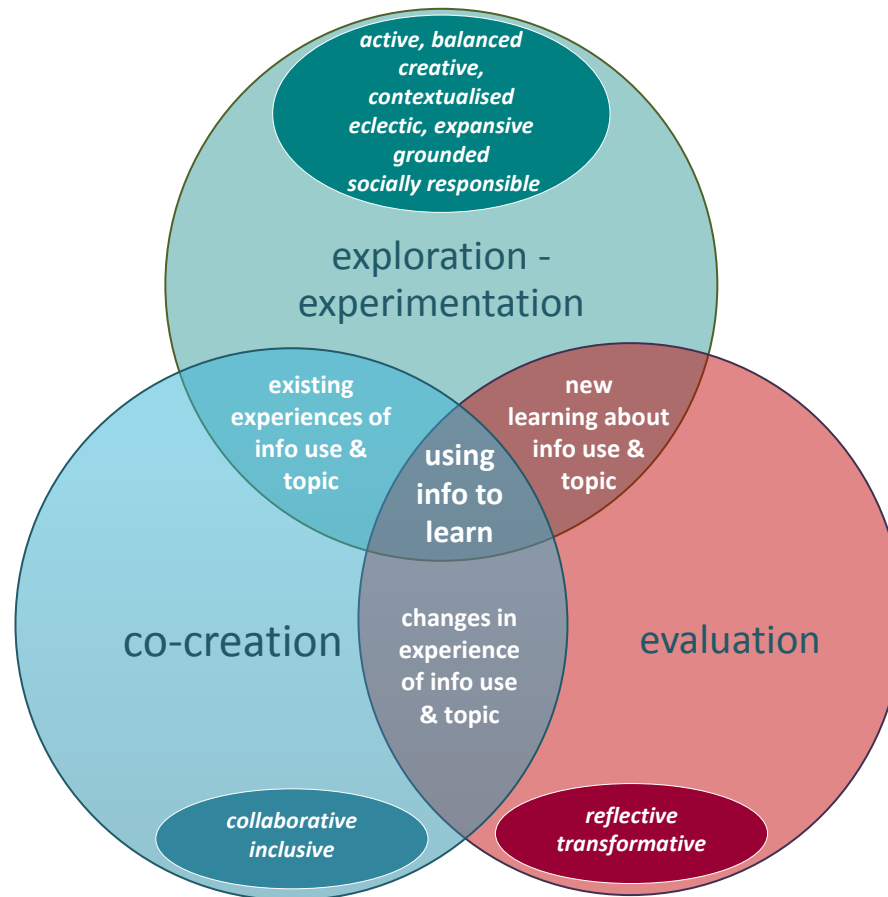

Home tutors (for migrant workers) Oakey

Cool clips (school students) Townsville

Informed learning + Social living labs for changing work contexts

Informed learning through social living labs
conceptual model

Informed learning through social living labs
in context: healthcare interprofessional learning

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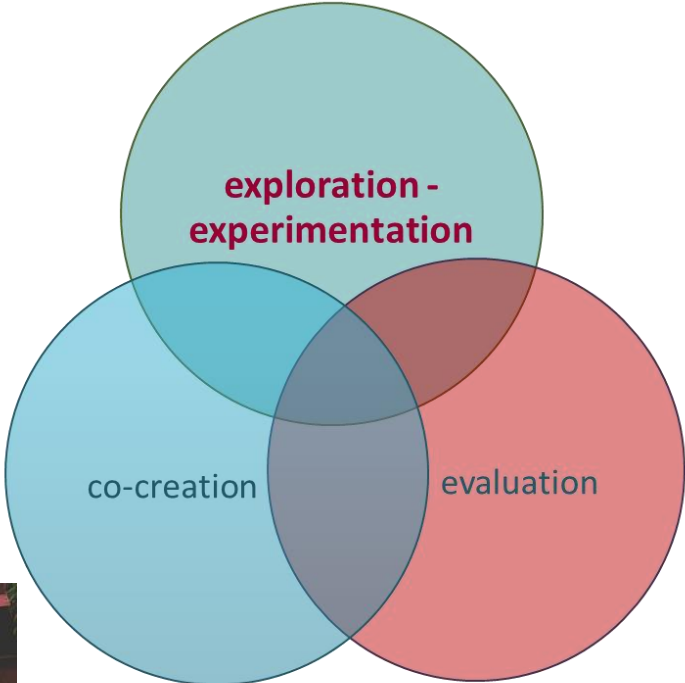o   Interprofessional learning

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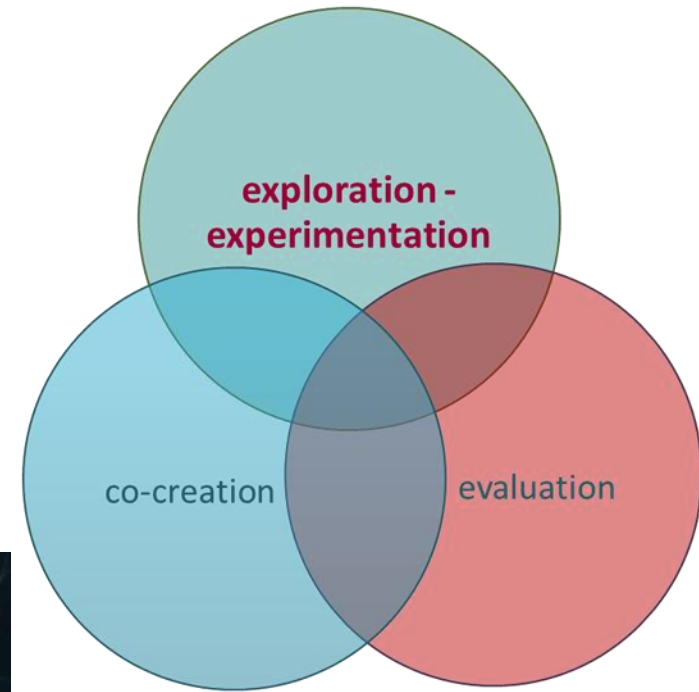
Scenario
GP surgery to smartclinic

GP surgery to smartclinic

exploration -
experimentation

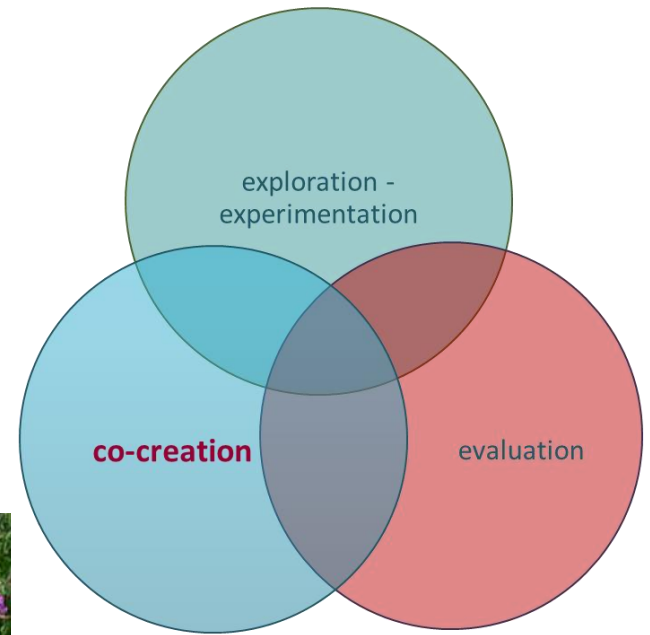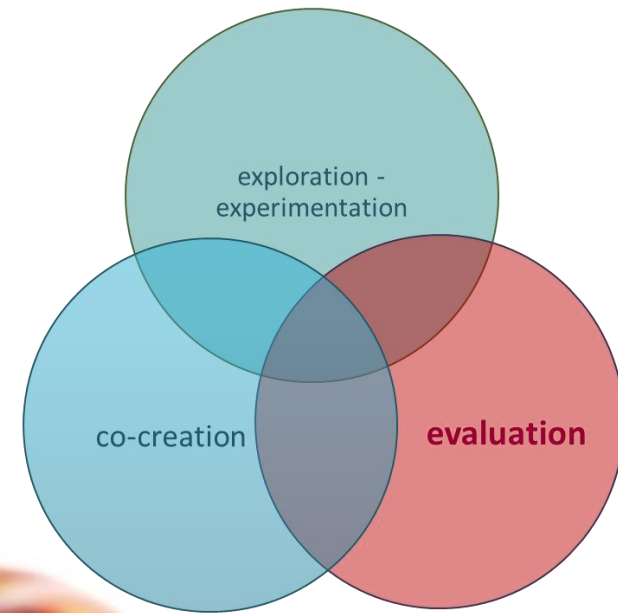co-creation

evaluation

GP surgery to smartclinic

GP surgery to smartclinic

Congerdesin (2017)
https://pixabay.com/en/white-cabbage-garden-2521700/

GP surgery to smartclinic

exploration - experimentation

co-creation

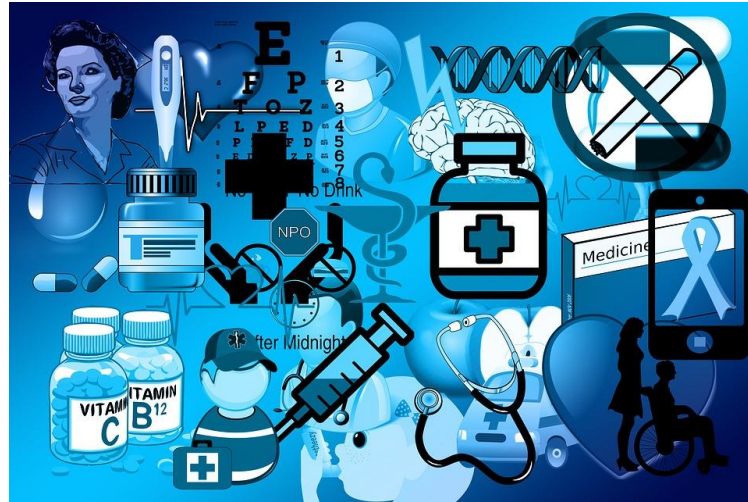**evaluation**

GP surgery to smartclinic
Social living lab - continuing outcomes

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

What's different about a social living lab?

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

Clker-Free-Vector-Images (2013) https://pixabay.com/en/bees-gathering-harvesting-lawns-44503/

Thank you! Questions?

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Hilary Hughes, QUT – h.hughes@qut.edu.au

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