Participatory Design

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PDC'2008 anniversary conference: Experiences and Challenges

PDC'2012 Book release

<u>'''</u> Participatory Design Conference Roskilde University PDC Roskilde University 12

Routledge International Handbook of Participatory Design Edited by Jesper Simonsen and Toni Robertson

ROUTLEDGE

PDC'2010 Book workshop

Participation and mutual learning

My traditional conceptualization (bachelor-level)

My contemporary conceptualization (graduate-level)

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Participatory Design - a preliminary definition

"Participatory Design can be defined as a process of investigating, understanding, reflecting upon, establishing, developing, and supporting mutual learning between multiple participants in collective 'reflection-inaction' (Schön 1983). The participants typically undertake the two principle roles of users and designers where the designers strive to learn the realities of the users' situation while the users strive to articulate their desired aims and learn appropriate technological means to obtain them."

(Robinson and Simonsen, Routledge International Handbook of Participatory Design, Routledge 2012, p. 2).

Mutual learning

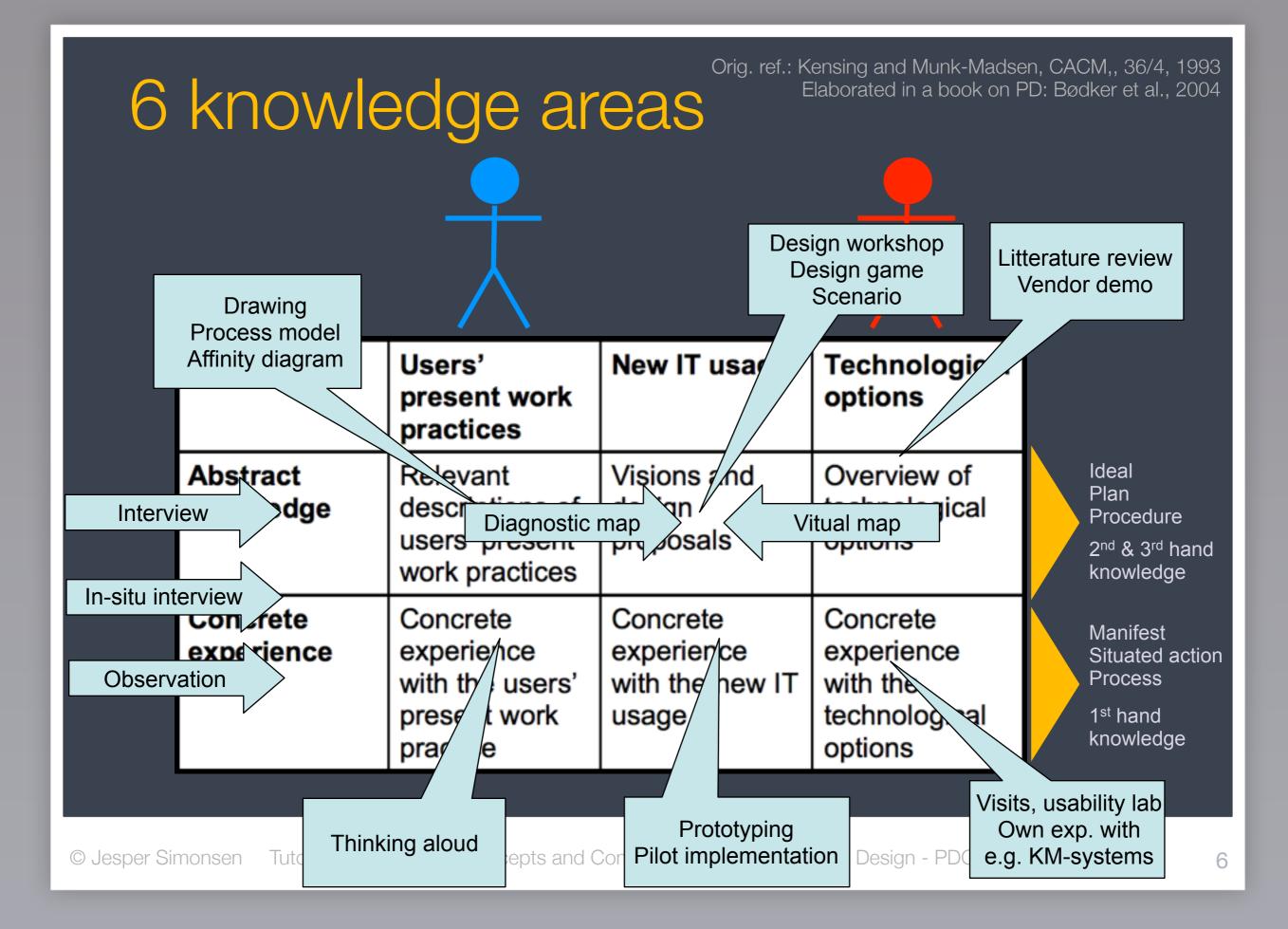
- two principal roles



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Dialogue and mutual learning Concrete exemplary knowledge Sharing knowledge Supported by tools and techniques Open contact and authentic meeting





Participation (PD-Handbook p. 5)



Routledge International Handbook of Participatory Design Med by Jesper Simonen and Tori Pobertson

"Any user needs to participate willingly as a way of working both

- as themselves (respecting their individual and group's/community's genuine interests) and
- with themselves (being concentrated present in order to sense how they feel about an issue, being open towards reflections on their own opinions) as well as
- for the task and the project (contributing to the achievement of the shared and agreed-upon goals of the design task and design project at hand) (Storm Jensen 2002)."

Experiences and challenges

- Design as 'emerging' change
- Sustained PD: Extending the iterative approach (2 ways) Realization/implementation + ambition (think BIG)
- Formative real-use evaluation (design-in-use)
- The role of the users in sustained PD



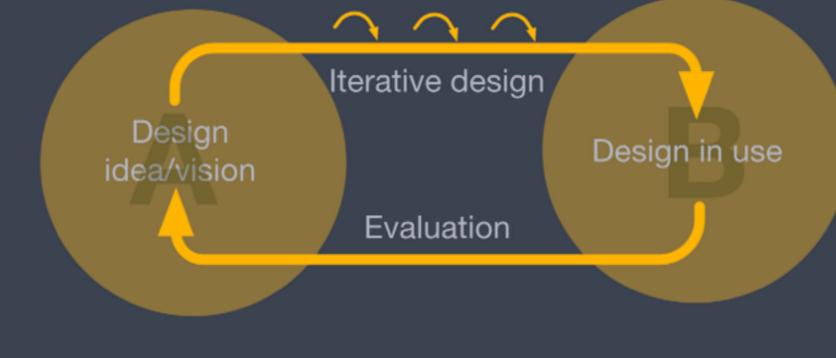


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SITUATED DESIGN METHODS



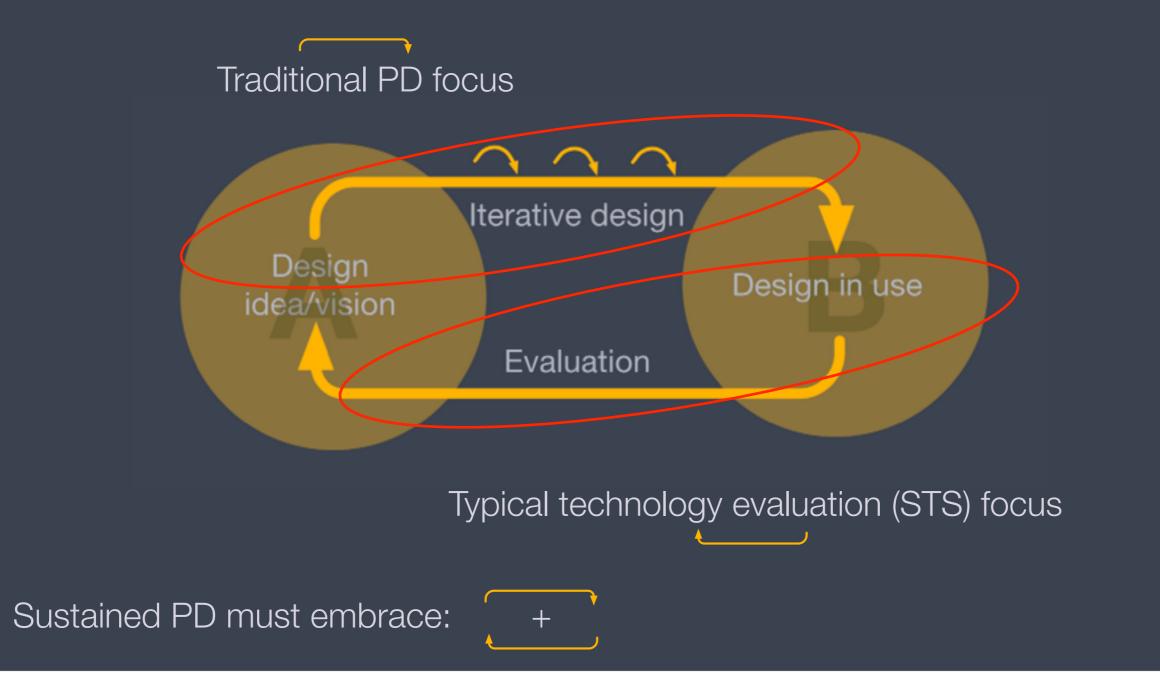
Design as 'emerging' change



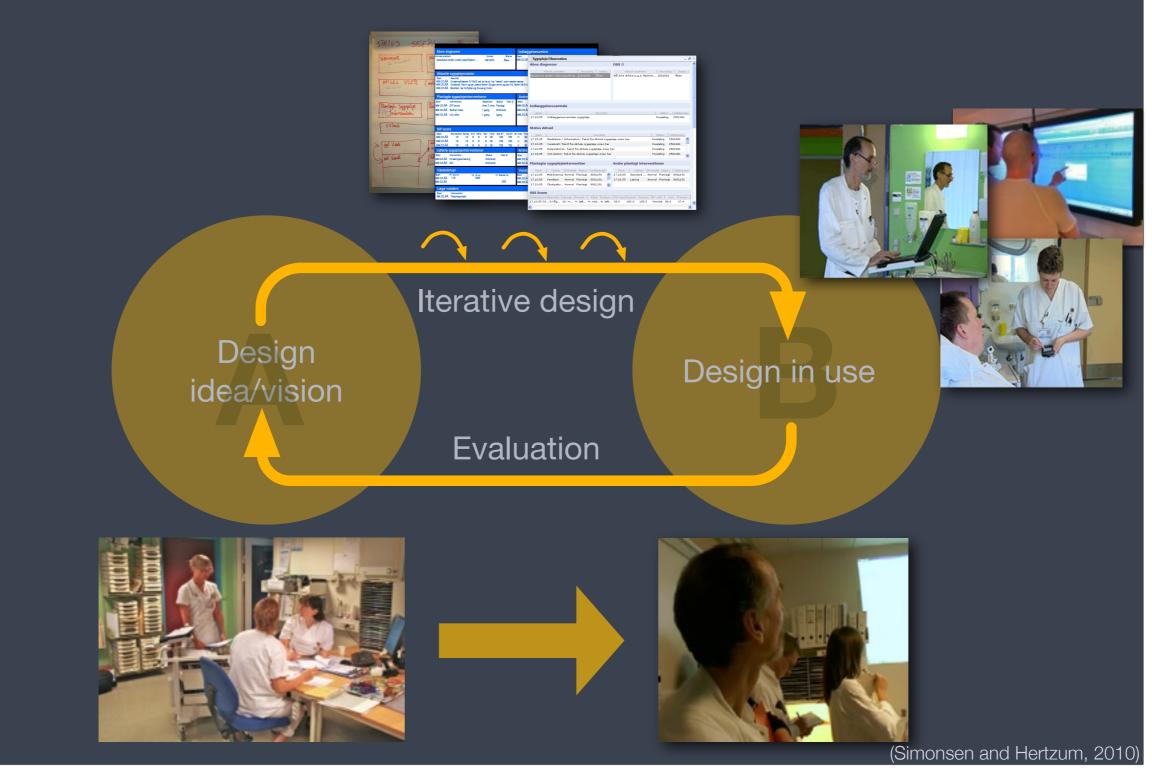
Design Research, Routledge (2010), Figure 14.3, p. 207

(Orlikowski and Hofman, 1997)

Design as 'emerging' change



Simonsen et al., PDC 2008, 2010, 2012 (pdcproceedings.org)



	Change	Evaluation method
Anticipated -realized	Better overview of patients	Mental workload/TLX
	Better coordination	Counting # missing pieces of inf. & messages to pass on
Anticipated -curtailed	Improved NIP recordings	Record audit (paper and EPR)
	Impr. medtreatment/nursing plans	Rating scale
Emergent	From oral reporting to collective reading of EPR	Observation
	Collective investigation of the EPR	Observation
Opportunity -based	Sharing nursing observations during the team conference	Observation and focus-group interview
	Task list supporting coordination	Observation and focus-group interview

	Change	Evaluation method
Anticipated -realized	Better overview of patients	Mental workload/TLX
	Quantitative Better cassessment & documentation	Counting # missing pieces of inf. & messages to pass on
Anticipated -curtailed	(PD weakness)	Record audit (paper and EPR)
	Impr. medtreatment/nursing plan	Rating scale
Emergent	From oral reporting to collective reading of EPR Qualitative	Observation
	Collect identification & the evaluation	Observation
Opportunity -based	Sharing (PD strengh) ations	Observation and focus-group interview
	Task list supporting coordination	Observation and focus-group interview

Sustained PD

Sustained PD must embrace:

Local competences are pivotal to sustained PD (initiated by AR projects, Simonsen, 2009)

Iterative design

Evaluation

Design in use

Design

PD must think BIG

- Large scale technologies are highly configurable (Industrialized ISD - Bansler and Havn 1994; 1996)
- Rapid development in global business logic standards (e.g. HL7, SNOMED-CT)
- PD must seek sustained influence (beyond research projects)
 - Short iterations, effective outcomes, quantitative measurements
 - Scaling and disseminating PD to public and private companies

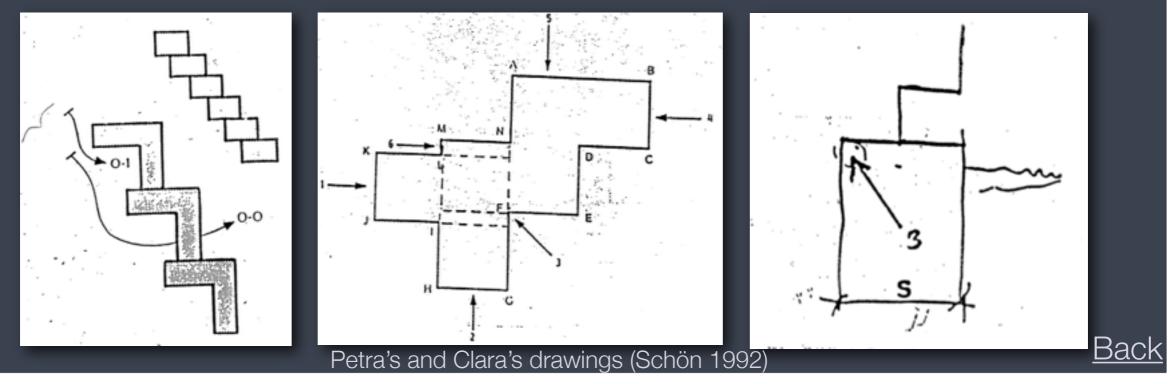


Schön: The reflective Practitioner

Reflection-in-action

- or "situated learning" (Lave and Wenger 1991):

"The practitioner allows himself to experience surprise, puzzlement, or confusion in a situation which he finds uncertain or unique. He reflects on the phenomenon before him, and on the prior understandings which have been implicit in his behaviour. He carries out an experiment which serves to generate both a new understanding of the phenomenon and a change in the situation" (Schön, 1983, p. 68).



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