



PROGRAMME
DE RECHERCHE
NUMÉRIQUE
COLLABORATIF



Embedding policy implementation in sociotechnical design and deployment (EPISODD)

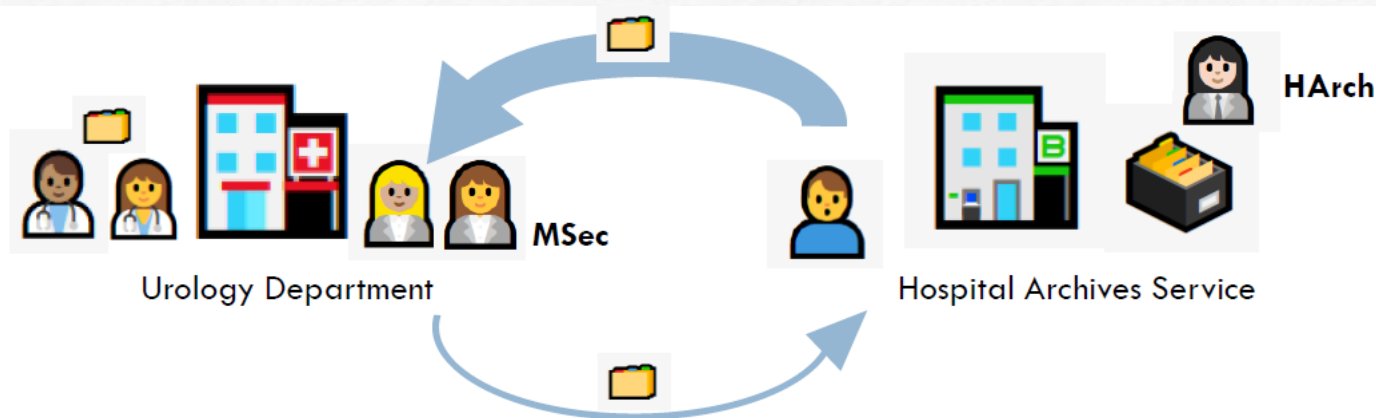
The case of digital archives

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Master internship research

Following up a patients' records digitization project in a public hospital

Context – Analysis of practices and cooperations around patients' records and discussions between actors involved in the project



Master internship research

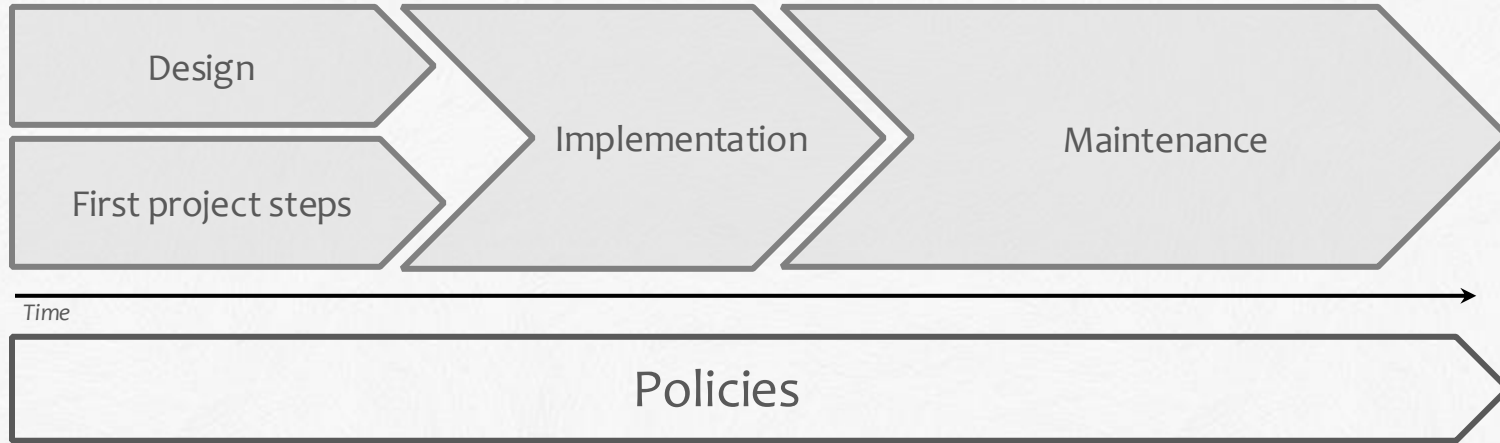
Following up a patients' files digitization project in a public hospital

Results – Point out challenges related to policies :

- ◆ Inconsistencies between available software and policy frames
- ◆ Stakeholders are unable to use policy frames directly as boundary objects (Star and Griesemer, 1989)
- ◆ Policy frames rather suggest boundary objects to be created

Phd research subject

Integration of policies in sociotechnical systems



Phd research subject

Integration of policies in sociotechnical systems

Research questions

- ♦ How professionals appropriate policies ?
- ♦ How are they mobilised and implemented in digital transformation projects, especially those supporting collaborative activities ?
- ♦ How to ensure their integration in the long-term ?

Theoretical bases

- ♦ Policy knot (Jackson et al., 2014)
- ♦ Infrastructuring (Pipek and Wulf, 2009)
- ♦ Boundary objects (Star and Griesemer, 1989)

Integration in PC2 - PILOT

Long-term collaboration

Policies in digital transformation projects

Project phases take place in long time scales

Knot-working (Engeström et al., 1999)

Constant evolution of the policies requires :

- ◆ Regulatory monitoring and communication
- ◆ Adjustments of practices and technical systems

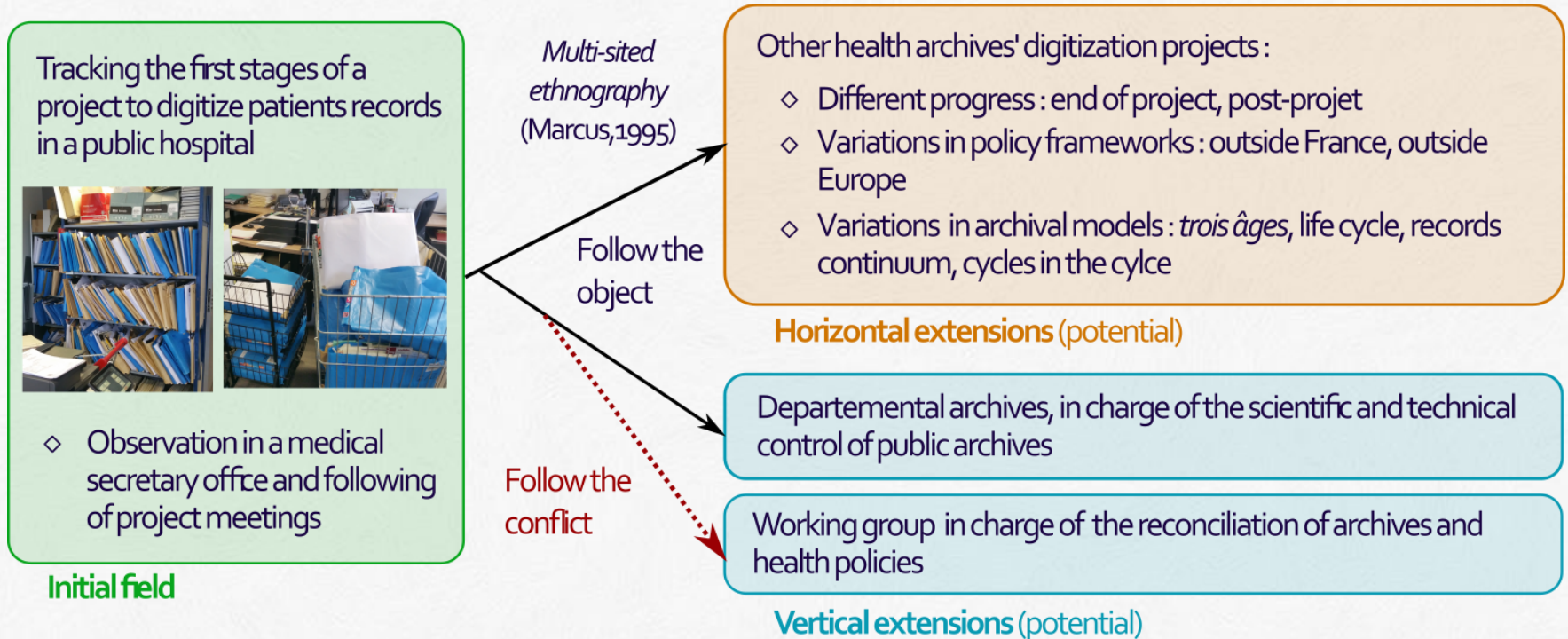
Study case - digital health archives

Archives imply long-term collaboration by nature :

- ◆ Preservation in hospital : 20 to 100 years
- ◆ Preservation as public archives : indefinitely

Active preservation, balancing between long term preservation and usability

Potential fields of study



Thank you for listening

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Annex – Phd research subject

Context – Rapid increasing and evolution of policy frames on digital → impact on practices and technical systems

Injonction to compliance but also consequent obstacles → crossings between specific policies, cooperation and alignment between various stakeholders, technical impossibilities / difficulties

Problem – The importance of policy aspects in software development is recognised, but taking them into account is still difficult → mismatch between organisations' obligations or recommandations and available digital systems

Expected results

1. Empirical – Identification and description of policy compliance issues
2. Conceptual - Contribution to the modelisation of the artefacts ecology MADRAE (Cormi et al., 2023), especially for policy frames, and contributions related to infrastructuring and policy knot notions
3. Methodological - Recommandations for infrastructuring