# Understanding and facilitating skill development within teams by sharing collaborative procedures

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2 Context of the subject

Understand and facilitate skill development within of teams (and collectives...)

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**informal sharing** between members = members sharing their **personal practices** 

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### 4 Context of the subject

Understand and facilitate skill development within of teams (and collectives...)

informal sharing between members
= members sharing their personal practices

Member skill & expertise development

ex. tips or work-around for an internal software, team variation of a global procedure, similar situation problem solving... Standardization & development of collective practices

ex. agreeing on a common project organization, software, methodology...

Understand and facilitate **skill development within of teams** (and collectives...)

**informal sharing** between members = members sharing their **personal practices** 

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Research Question 1:

How do team members share personal work practices to their team?

and, depending on RQ1, RQ2:

How can we facilitate sharing of personal practices within a team?

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#### 2 research fields

Semi-structured Interviews & Observational studies

An **activity theory approach** (with foundations from Distributed cognition)

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   +400 public agents
   Sharing poster design practices between non-designers
- EDF Pulse Design Team -20 people Sharing project documentation for feedback and archive

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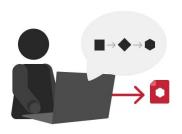
# 9 (RQ2) How can we facilitate sharing of personal practices within a team?

What form should these practices take to be intelligible? How can we integrate feedback and changes in practices over time?

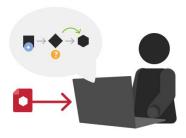
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Concept proposals, User Testing & Evaluation







Capturing an interaction history or activity log to get a basic procedure

Collaborative annotation and updating of the procedure (multiple times)

Display/Demonstration of the co-authored procedure

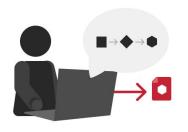
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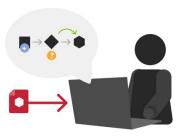
Contribution to PC2

Concept proposals, User Testing & Evaluation

guidelines (& tool) to facilitate personal practice sharing in the form of co-edited procedures







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# 12 Distinction with previous work

Lot of work on collaborative tutorials & sharing in online communities how to include "community content"? how to keep a tutorial up-to-date?

- → In line with this work, but :
  - **between team members** (interest in collectively defining the procedures, individual experience)
  - in a **work situation** (working activity, similar context between members)
  - focused on **personal practice sharing** (multiple ways to do a task coexist and evolve overtime)

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→ Collaboration tool to share personal practices, co-author them and update them overtime to collaboratively develop team members expertise & get collectively defined practices