

Relevance and impacts of an interdisciplinary approach in (re)construction projects

The case of ReparH ANR project after the 2010 earthquake in Haiti

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Context - Research Stakes : In a global context of increasing disasters (UNDRR, 2015), resilient housing (re)construction in least developed countries that are frequently exposed to natural hazards remains huge challenges (Jha et al., 2010). The relevance, effectiveness and ownership of interventions raised the question of a relevant manner of a collaborative and integrative way of work.

Objectives of the PhD work

Based on the haitian case within the ReparH project (Reconstruire parasinistre en Haïti) after the 2010's earthquake, the research aims to:

- Understand and identify the **interaction** between **action research** and **operational interventions**, and to
- Identify characteristics, drivers, challenges and added values of an **interdisciplinary research approach**

towards further improving **housing resilience in least developed countries** that are frequently exposed to natural hazards



Fig.1 Stakeholders from different domains gathered at a seminar in Haiti



Fig.2 First prototype construction on shaking table in the ReparH project framework

Methodology

The research work is a **retrospective** and **reflexive** work adopting a **comprehensive posture**.

The analysis is structured in **04 main components**: (1) **descriptive work** through thematic mappings, (2) **analytical work** organised into 4 axes (resilience and Habitat, impacts and dissemination, Research and Action, Interaction between disciplines), (3) **comparative work** and (4) **compilation work** as lessons learned.

Inspired by the **grounded theory** (Corbin & Strauss, 2008) and using the **comprehensive interview method** (Kaufmann, 2016), the research is based on a corpus of semi-directive interviews, written documents and observation notes. Data are processed according to **qualitative method** in Social Sciences.

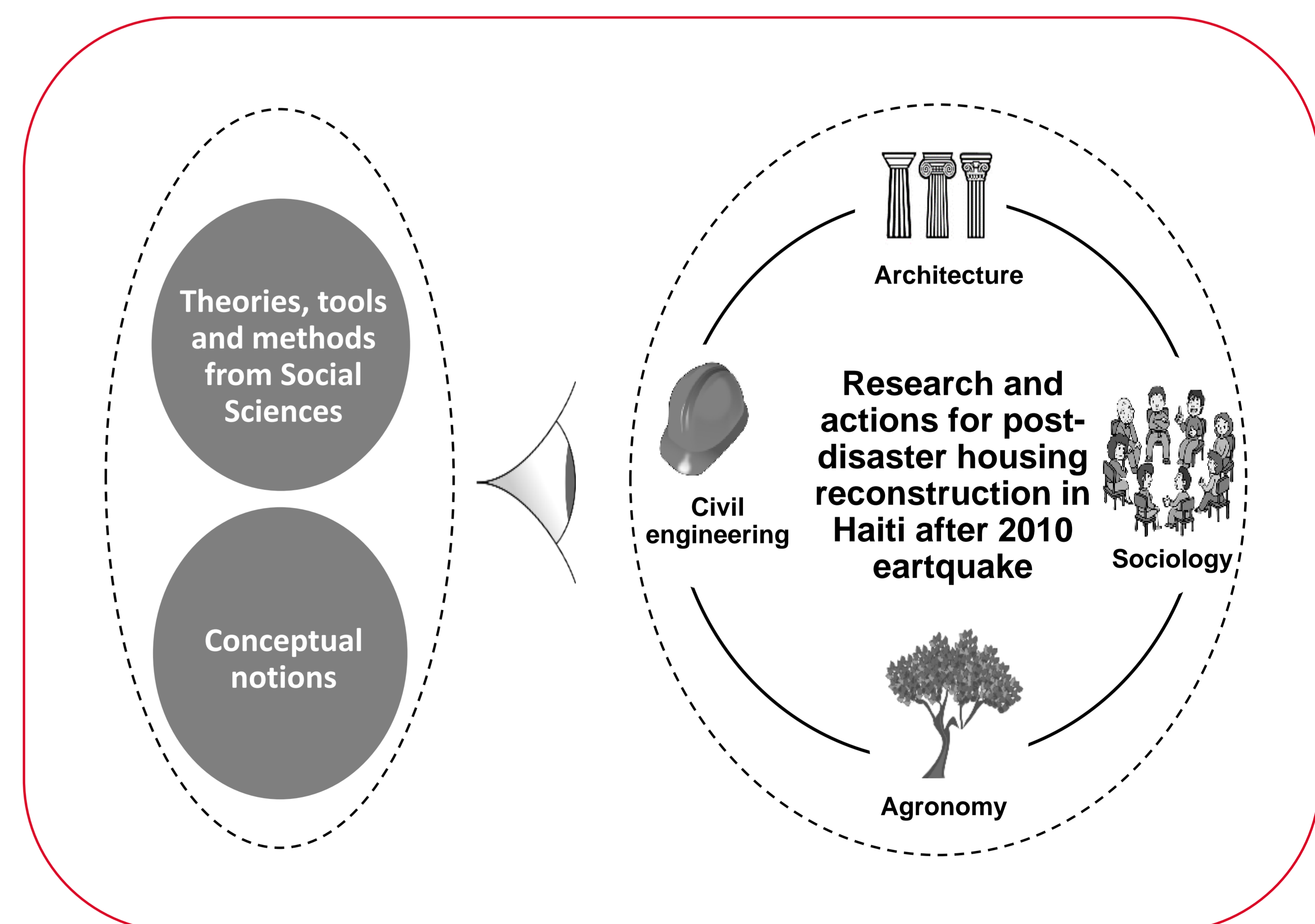


Fig.3 Cross-disciplinary approach adopted in the PhD word

Expected Results - Applications

Through the statements of different actors, this research will identify **good practices** of collaborative, integrative and interdisciplinary work in order to **treat efficiently the subject of housing resilience** to better face the natural risks. These results are expected to **help stakeholders** on the **ongoing interventions in Haiti and in other similar contexts**.

References

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