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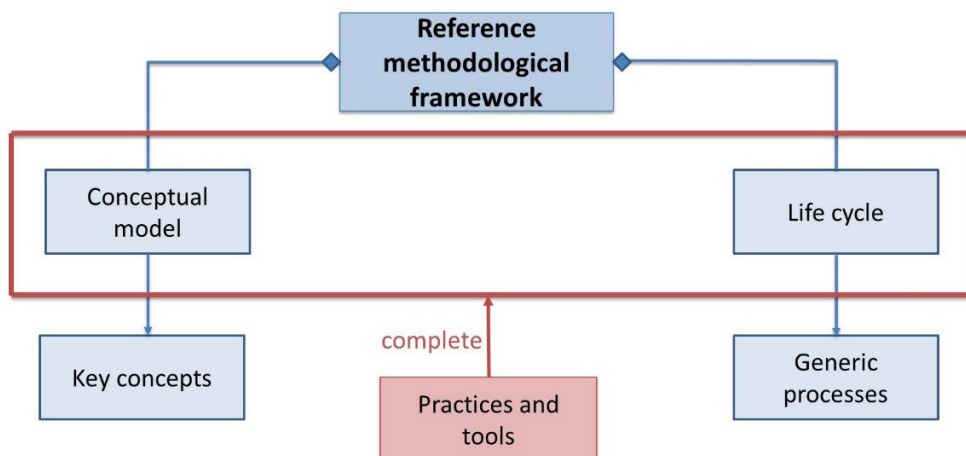
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## TOWARDS AN ENGINEERING FRAMEWORK FOR OPEN INNOVATION - APPLICATION IN CONNECTED HEALTH

*Cadre d'ingénierie pour l'innovation ouverte  
- Application en santé connectée*

In today's fast moving world, innovation has become a key factor for success and sustainability for companies in their markets, especially in an increasingly competitive environment. In order to reduce their time to market, organizations seek to better control their innovation process from the ideas sourcing phase to the implementation phase.

However, researchers and engineers still use traditional methods based on random processes, such as : brainstorming or heuristic schemes. To overcome the drawbacks of these intuitive methods, we work to the emergence of more structured innovation management, based on an engineering framework with an emphasis put on systematization of the upstream phase of the innovation process, in the stages of formulation/problem resolution and the generation of innovative ideas. This innovation framework must be adapted to a collaborative space between organizations working together, named 'open innovation'. Case studies in the field of connected health will be used to test and improve the conceptual results of this thesis.



*A reference methodological framework*