



Agile CoCreation of Robots for Ageing

Deliverable 3.2 Needs Study for Daily Life Application

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Abbreviations and Definitions

Abbreviation	Definition
ICT	Information and Communication Technologies
ACCRA	Agile CoCreation of Robots for Ageing

Executive Summary

This document presents the **needs study results**.

The **main needs** and corresponding **priority robot functionalities** are:

1. **Safety needs: protective robot** (fall detection and prevention, warning a caregiver in case of a danger, reminder to drink, help with medication and medical appointments).
2. **Companionship needs: companion robot** (daily presence based on exchanges and interaction between the robot and the user).
3. **Communication needs: communicating robot** (help with phone call, video call, sharing photos, drawings, videos with family and friends).
4. **Well-being-needs: beneficent robot** (Zen activity coach, health and mood tests, physical activity coaching).
5. **Entertainment needs: entertainment robot** (games, reading books and newspaper)

To be noticed:

In France, we had difficulties in recruiting family caregivers. Only one informal caregiver could be recruited. Her information was in line with the needs expressed by the elderly. Since only one interview does not allow a needs study for informal caregivers, the results of the interview are not reported.

The role of this deliverable in the ACCRA methodology

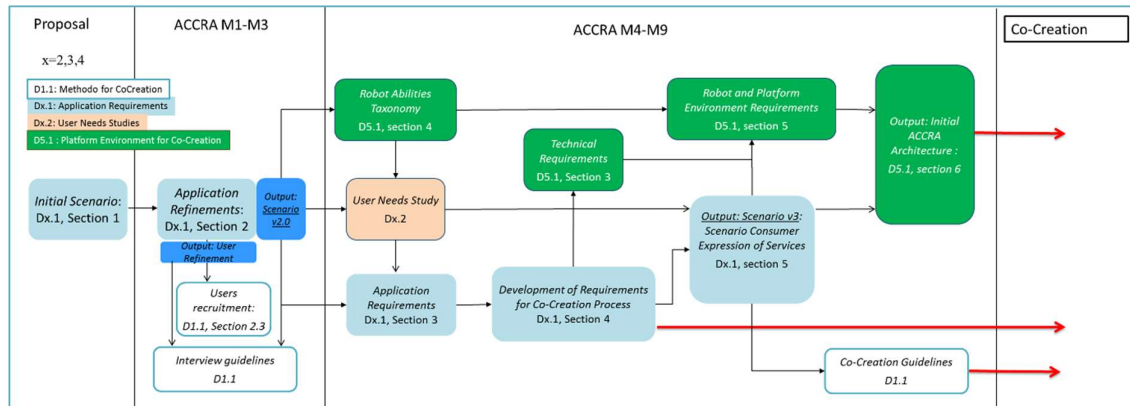


Figure 1 Relation between deliverables at M9

The first step of ACCRA methodology is the needs analysis of end users and caregivers. On the basis of these results the ACCRA scenarios are refined both from users and from technical point of views (i.e. technical requirement, ACCRA architecture). Finally, the Final Services are described as outcome of this deliverable, these services will be a priority both from users (elderly persons and caregivers) and from technical point of view.

Summarizing these are the connection among the deliverables (Figure 1 Relation between deliverables at M9):

1. The aim of the needs 'study deliverables (D2.2 D3.2 D4.2), is to identify the **priority needs** that should be addressed in the project and the **priority services** to be developed from the perspective of end-users.
2. Then, in the requirement deliverables (D2.1 D3.1 D4.1), technical/robotic teams will **check the services' feasibility**.
3. In the requirement deliverables (D2.1 D3.1 D4.1):
 - a) We will identify the **FINAL SERVICES** to be developed in the ACCRA project.

The **FINAL SERVICES** are the services that are both:
priority from end-user's perspective AND technically feasible

- b) Then, in order to **PREPARE** the **COCREATION PHASE**, the aim will be to **express those final services in a way that is easily understandable by end-users**.

It is the objective of the **"CONSUMER EXPRESSION OF SERVICES"** chapter.

(This chapter is included, for information, at the end of this deliverable but will be filled in in D2.1 D3.1 D4.1 deliverables).

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