Agile CoCreation of Robots for Ageing

D 3.1 Daily Life Application Requirements

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Abbreviations and Definitions

Abbreviation	Definition
ICT	Information and Communication Technologies
ACCRA	Agile CoCreation of Robots for Ageing
QoL	Quality of Life
AGGIR	Autonomie Gérontologique Groupe Iso-Ressources
IADL	Instrumental Activities of Daily Living
VH	Virginia Henderson

Executive Summary

The outcomes of D3.2 have been evaluated by the technical/robotic team in order to:

- Determine the feasibility of identified services and mandatories guidelines.
- Define the technical requirements.
- Define the list of equipment.
- Define the “development requirements” for the co-creation phase.
- Complete the "Consumer expression of services" template which is at the crossroads of end users' needs and technical feasibility.

The results of needs analysis have been summarized within D3.2 in order to avoid repetitions. The results of the needs analysis are presented. Then a feasibility study has been conducted to derive the common requirements for both countries where this use case will be studied in next phase (the co-creation): France and Netherlands. The services expected by the user and which will be built during the co-creation phase are described in several forms: 1) as they should be presented for the first co-creation phase meetings, 2) under an expression that the user can understand (not technical description).

The Role of this deliverable in the ACCRA methodology

The relation between different deliverables that will be submitted at the same time of the three different applications to be provided in the project and the architecture of the platform is shown in this figure. The figure shows the relation between different sections, which are mandatory to be done before continuing with the next ones, the picture reflects perfectly the process of the methodology. Starting with initial scenarios and as far as the recruitment process and user needs study results arrive, the scenarios need modifications as well as the initial architecture designed for the platform in order to be ready for the next phase of the project, Co-creation. As it is shown in the figure 1, the outcome process is divided in three phases:

1. ACCRA Proposal: initial scenarios set up in the proposal as a base to start the study.
2. ACCRA M1-M3: outcomes from the first tasks of Specification in each WP of the three applications (WP2, WP3, WP4).
3. ACCRA M4-M9: As a result of the inputs from specifications and the needs study outcomes, the architecture of the platform for step 2 (Co-creation) is defined as far as the needs study conclusions and technical requirements are defined.

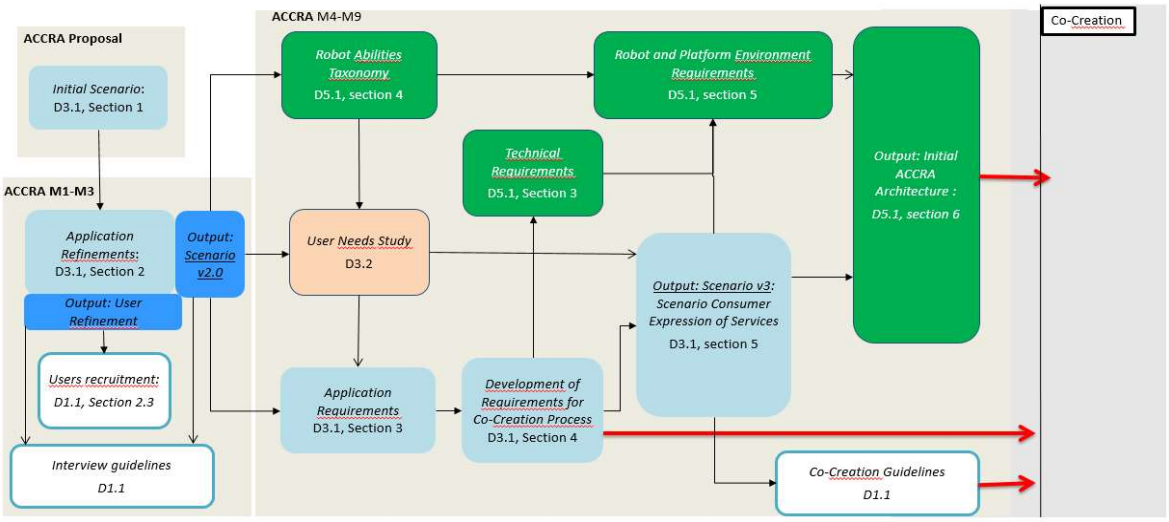

Figure 1 Relation between deliverables at M9

The first step of ACCRA methodology is the needs analysis of end users and caregivers. On the basis of these results the ACCRA scenarios will be refined both from users and from technical point of views (i.e. technical requirement, ACCRA architecture). Finally, the Final Services will be 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:

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): the technical/robotics team will:
    a. Define the technical requirements
    b. Define the list of equipment
    c. Define the "development requirements" for the co-creation phase

4) ACCRA architecture (D5.1) will be refined on the basis of the scenario refinements and the results of needs analysis.

The output of these deliverables will consist in:

a) We will identify the **FINAL SERVICES** to be integrated in the ACCRA co-creation phase.

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

b) Then, in order to **PREPARE 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.

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