



# **LIFE**

*Listen. Innovate. Field-test. Evaluate.*

***Agile pre-experiment  
Example spider web exercise***

The LIFE methodology has been developed during the ACCRA project by the ACCRA consortium. Please refer to the project's website, [www.accra-project.org](http://www.accra-project.org), if you use any of the materials.



This guide and templates were developed for the ACCRA project. It is tailored to the robots and use cases of this project.



## Input for the spider web

Aspect	Please explain	Your answer about current situation of ASTRO and what should be improved
Technical  <i>100%: ASTRO is technically optimal</i>	How far is ASTRO technically advanced? What are the most important technical challenges to make the robot ready for the market? Which improvements should be done on the features of ASTRO 2.0? Are there any improvements to ASTRO's appearance?	
User perception  <i>100%: ASTRO is very user friendly and is accepted and used</i>	To what extent is ASTRO accepted by the user? What are important factors for adoption by the user? Which types of users would benefit?	
Outcomes  <i>100%: ASTRO leads to positive outcomes for the senior, informal and professional caregiver</i>	To what extent is ASTRO able to achieve outcomes? What is an important outcome for the user? What is an important outcome for the caregiver? What is an important outcome for organization?	

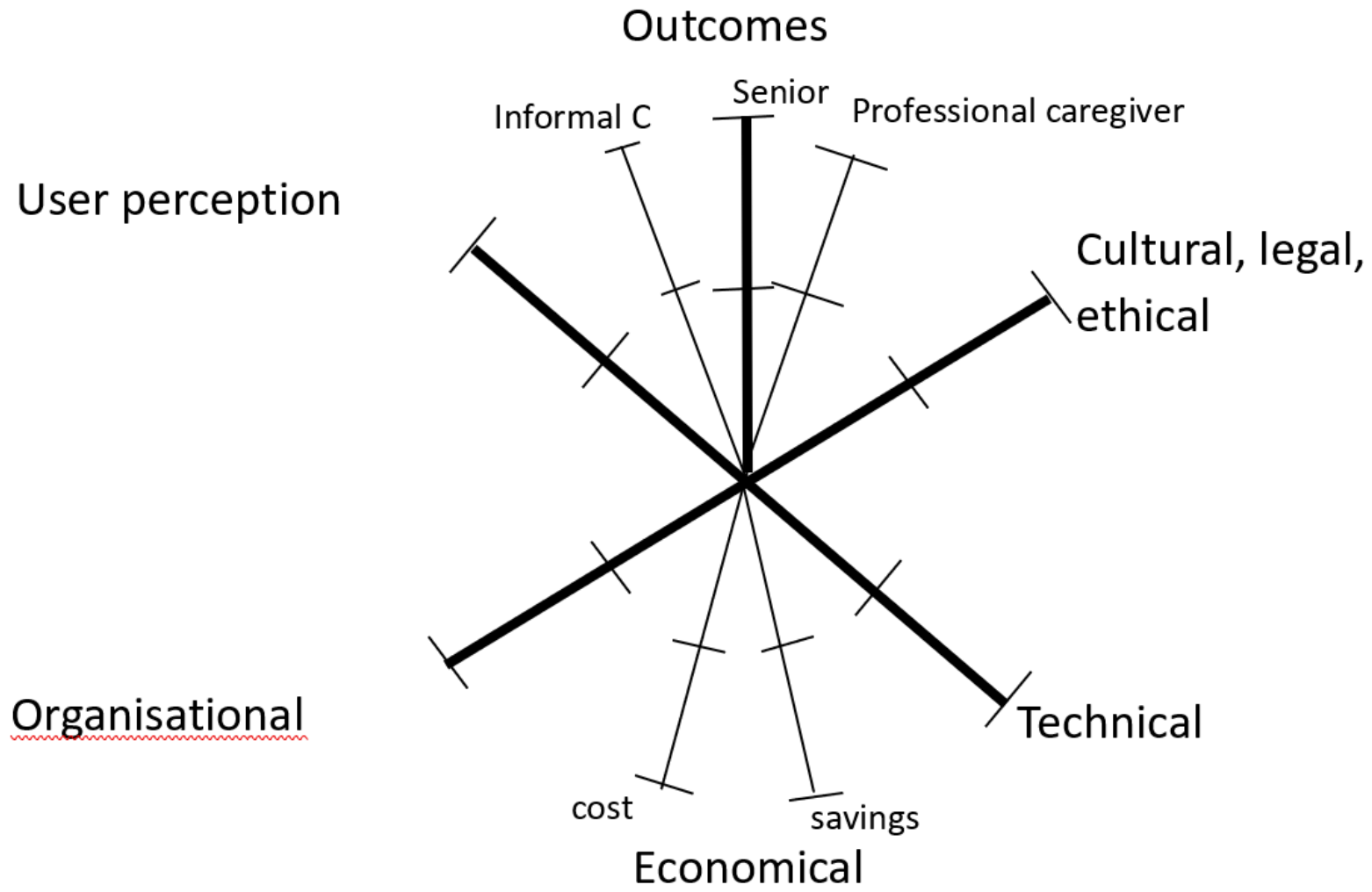
<p>Economical</p> <p><i>100%: ASTRO is affordable &amp; ASTRO leads to savings</i></p>	<p>What do you think of the cost of ASTRO? Which costs and savings are relevant? What would be potential savings for the organization if ASTRO is used at the department?</p>	
<p>Organisational</p> <p><i>100%: ASTRO is accepted and embedded in the organisation and fits the strategy</i></p>	<p>What would be the value for the organization? What is needed to embed the robot in the organization?</p>	
<p>Cultural, ethical, legal</p> <p><i>100%: ASTRO fits with what we find important in our country / organization</i></p>	<p>Do you see any barriers in your country? What are ethical concerns? Which legal aspects would be relevant?</p>	



## Spiderweb Astro 2.0

What is the current status of Astro 2.0 if it was to be used now (without improvements of functionality) at care organization.

*The center of the spiderweb is "0%" and the end of the lines is the "100%", meaning that the goal is achieved, and the situation is optimal.*





Future scenario of ASTRO 3.0: what is needed?

Which actions are needed on the axes of the spiderweb to advance and have sustainable use of a mobility robot Astro 3.0 at the care organization. This can be:

- a. Actions for the developers of ASTRO
- b. Actions for care organization itself
- c. Actions for other stakeholders, such as government

<b>Aspect</b>	<b>Developer of ASTRO</b>	<b>Care organization</b>	<b>Other stakeholders</b>
Technical			
Outcomes			
Economical			
User perception			
Organisational			
Cultural, ethical, legal			



Input for a business case for the future

	<b>Pessimistic</b>	<b>Realistic</b>	<b>Optimistic</b>
% percentage of patients that could and would use Astro			
Outcome: Reduction of rehabilitation duration			
Outcome: (define a relevant outcome)			
Number of robots needed			

Final remarks