

**SEVENTH FRAMEWORK PROGRAMME**

**ICT - Information and Communication Technologies**



# HOBBIT

## The Mutual Care Robot

Collaborative project

D9.1 Project Web-Page
-----------------------

Organisation name of lead partner: Technische Universität Wien

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**Title:** HOBBIT - The Mutual Care Robot

**Acronym:** HOBBIT

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<b>Abstract</b>	Homepage for presenting the project, to stimulate discussion and to report about findings.

HOBBIT is an initiative of Technische Universitaet Wien, Austria (co-ordinator); Otto Bock Mobility Solutions GMBH, Germany (OBMS); Hella Automation GMBH, Austria (HELLA); Foundation for Research and Technology Hellas, Greece (FORTH); Lunds Universitet, Sweden (ULUND); Akademie fur Altersforschung am Haus der Barmherzigkeit, Austria (AAF).

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# HOBBIT project website

## 1 Introduction

The aim of this deliverable is to have a general HOBBIT project website, to stimulate discussion and to report about findings. The site informs about the project, about project progress, and results.

The HOBBIT website will be advertised to and linked with other information sites such as consortium partners' websites and related multipliers. TUW will continually monitor access to the site and all partners will be involved to suggest improvements to increase the site's accessibility and usage.

The Public HOBBIT website is work in progress. This means that more content will be added as the project matures. Also, additional functionality will be added as necessary in the future. This report focuses on the status of the site after the last biannual Project Meeting (September 2012).

## 2 Overview

The following tree shows the publicly accessible pages of the HOBBIT website.

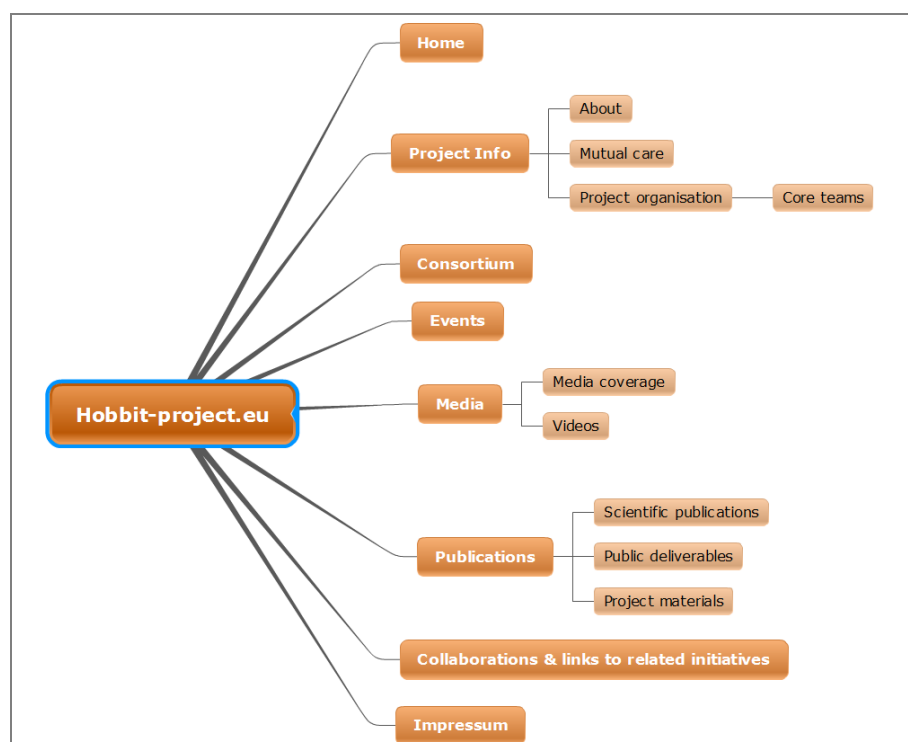


Figure 1: HOBBIT website menu structure

## 2.1 Web layout

The HOBBIT project website has a very simple but effective layout:

- The design follows the corporate identity of the project: orange from the HOBBIT logo with white and light grey background (like in internal documents of the project).
- All the pages have the same display of items. As marked (in red) in Figure 2, the main items are:
  - The HOBBIT logo heading the page with TUW and EC logos at each side
  - The website menu (on the left side)
  - A news section (on the left side below the menu): will show latest news of the project
  - The content in the middle
  - HOBBIT FP7 project acknowledgement and disclaimer text with the FP7 logo.

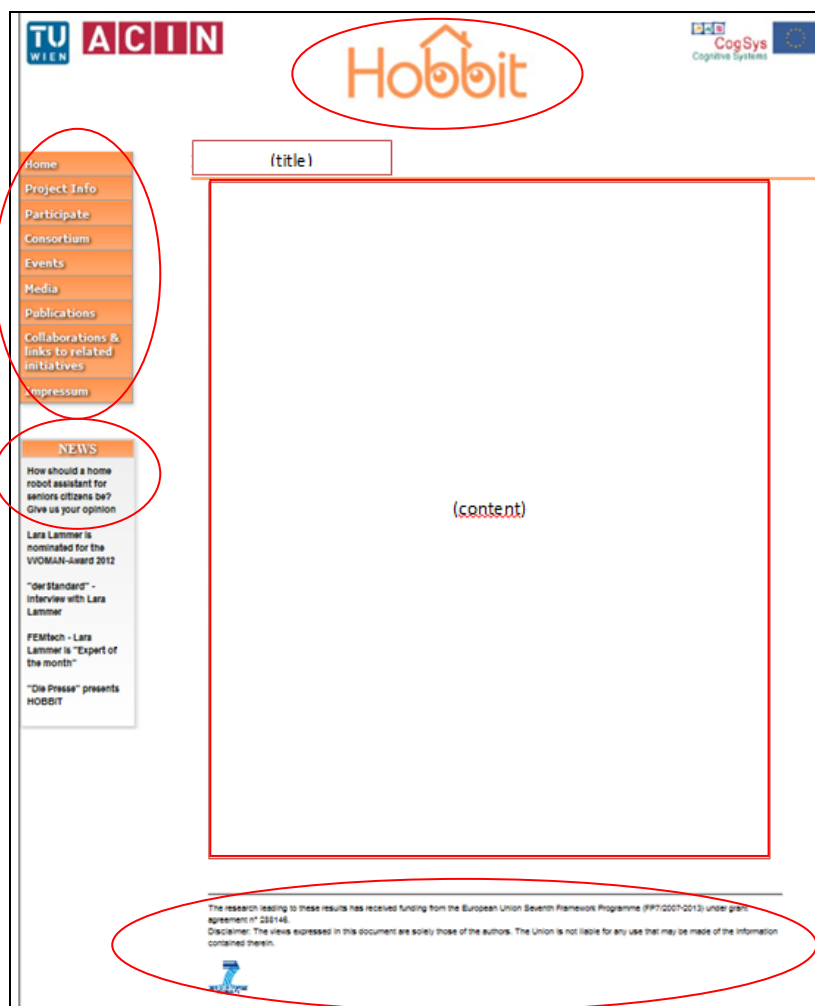


Figure 2: HOBBIT website display of items

## 3 Pages

### 3.1 Home

The content of the *Home* page consists of a short introduction to the FP7 project: its new approach and a picture introducing the “mutual care” concept.

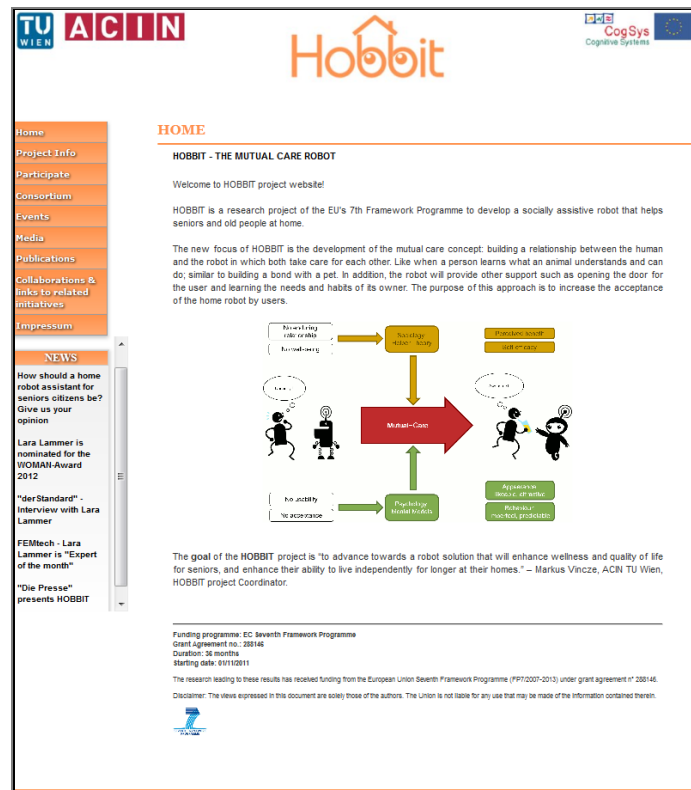


Figure 3: HOBBIT “Home” website page

### 3.2 Project Info

The *Project Info* section presents information on the project itself and is divided into three sections: “About”, “Mutual care” and “Project organisation”.

#### 3.2.1 About

In this sub-page, we introduce to the reader the challenge that HOBBIT will respond to, the current state-of-the-art in social assistive robotics and explain what the new approach of the HOBBIT project is.

At the end of the page, some general projects facts are displayed.

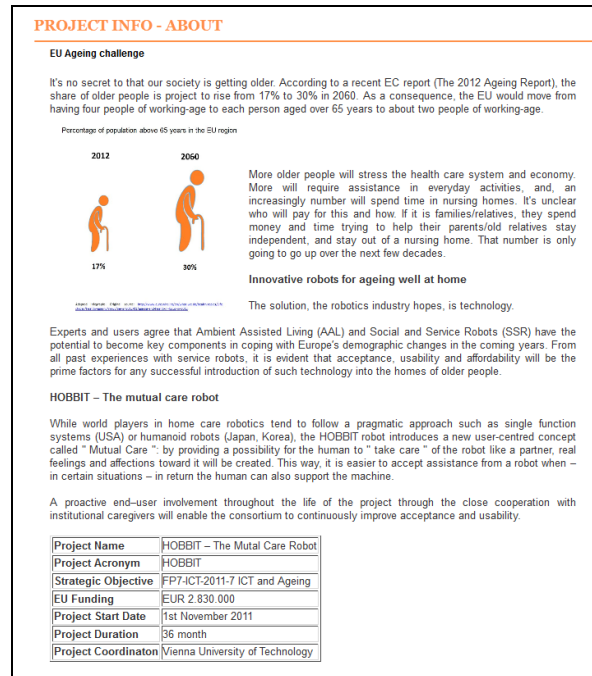


Figure 4: HOBBIT “About” website page

### 3.2.2 Mutual care

Here the mutual care concept, its implications and the interpretation of it in HOBBIT will be explained and revised as the project advances.

Currently a general framework of “mutual care” is displayed to give the reader or web user an idea of this concept.

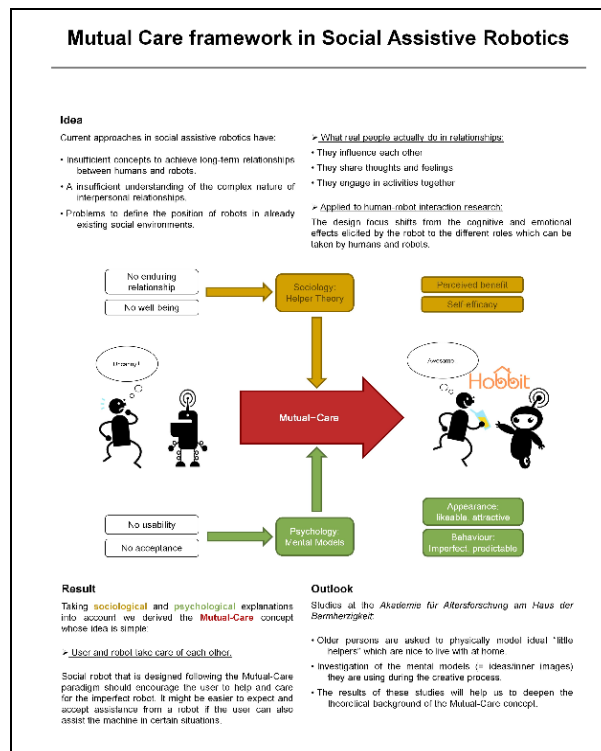


Figure 5: HOBBIT “Mutual care” website page

### 3.2.3 Project organisation

In this sub-page, the matrix organisation structure of the project is presented, where there is a cross-cutting of knowledge and information between work packages and the design & developments core teams.

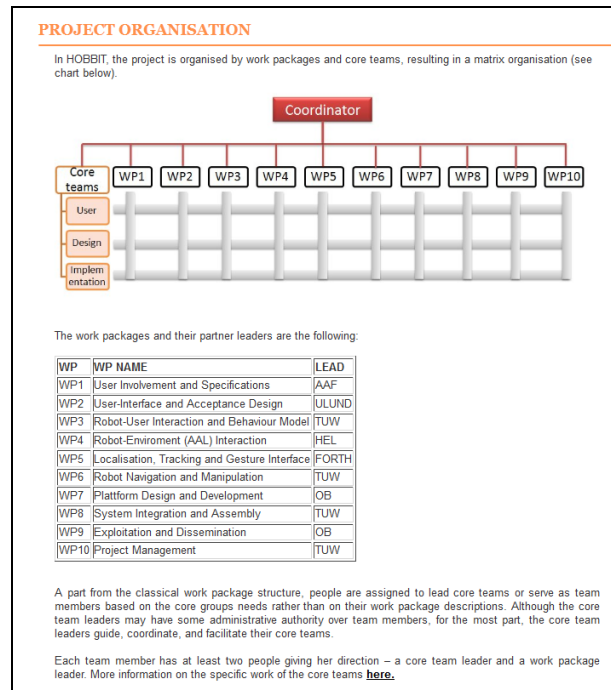


Figure 6: HOBBIT “Project organisation” website page


#### 3.2.3.1 Core teams

In this sub-page, the role of the three core teams is introduced. An impression of how the project team will work and how the design of the robot system will be developed is given.

**CORE TEAMS**

The following core teams are needed to prepare demos and user trials and will give answer to specific questions:


**USER TEAM – “The voice of the user in the project”**



Material from Lund 1st Workshop with Primary Users (PU): “What is a robot?” slide



- What attributes (appearance or behaviour) does the robot have in order to be a “Mutual Care” robot?
- How will Mutual Care be tested in the prototype user trials? Define: hypothesis, needed setup for the trials, target group, etc.

**DESIGN TEAM – “Translate the voice of the user into robot appearance and robot behaviour”**



- How will the design of the head with emotions look like?
- Where are tray and touchscreen positioned for an ergonomic design?
- Which dialogs including logic and emotions are needed to simulate a “Mutual Care” behaviour? How do they look like in detail?

**IMPLEMENTATION TEAM – “Make the robot work”**

Make the robot work based on input from the user and design teams.

First, the team assembles the robot - for example: adding the arm and gripper, the head and the touchscreen. Once these components are on the robot – in the right spot – the cameras and the arm have to be calibrated and the software framework set up to communicate with all the parts of the robot. The next step is the integration and testing of the required functionality for each stage of the project. While doing this, the user-team will show up and test the overall setup and suggest changes regarding user acceptance and ease of use.

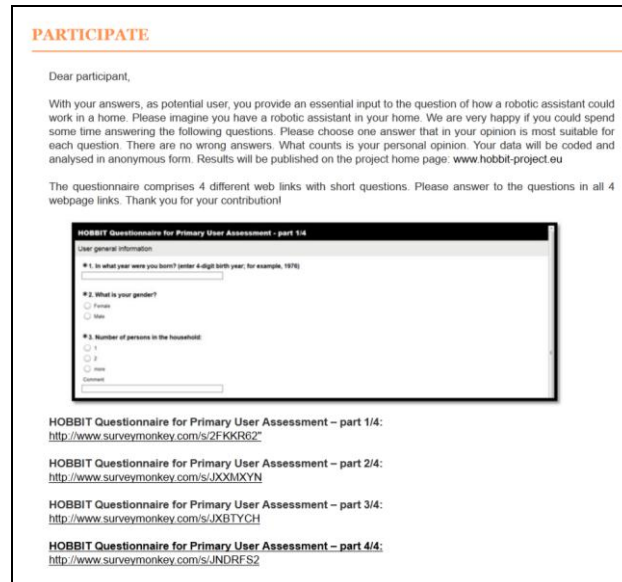
Implementation work in the Vienna University of Technology (TU Wien)

Figure 7: HOBBIT “Core teams” website page



### 3.3 Participate

The *Participate* page has the purpose of engaging the website users in activities and tasks from the project, making it more attractive to key stakeholders such as primary and secondary users of social robotics or the related scientific community.



**PARTICIPATE**

Dear participant,

With your answers, as potential user, you provide an essential input to the question of how a robotic assistant could work in a home. Please imagine you have a robotic assistant in your home. We are very happy if you could spend some time answering the following questions. Please choose one answer that in your opinion is most suitable for each question. There are no wrong answers. What counts is your personal opinion. Your data will be coded and analysed in an anonymous form. Results will be published on the project home page: [www.hobbit-project.eu](http://www.hobbit-project.eu)

The questionnaire comprises 4 different web links with short questions. Please answer to the questions in all 4 webpage links. Thank you for your contribution!

**HOBBIT Questionnaire for Primary User Assessment - part 1/4**

User general information

# 1. In what year were you born? (enter 4-digit birth year, for example, 1976)

# 2. What is your gender?

☐ Female

☐ Male

# 3. Number of persons in the household:

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### 3.5 Events

The *Events* page lists upcoming and past events relevant to the project.

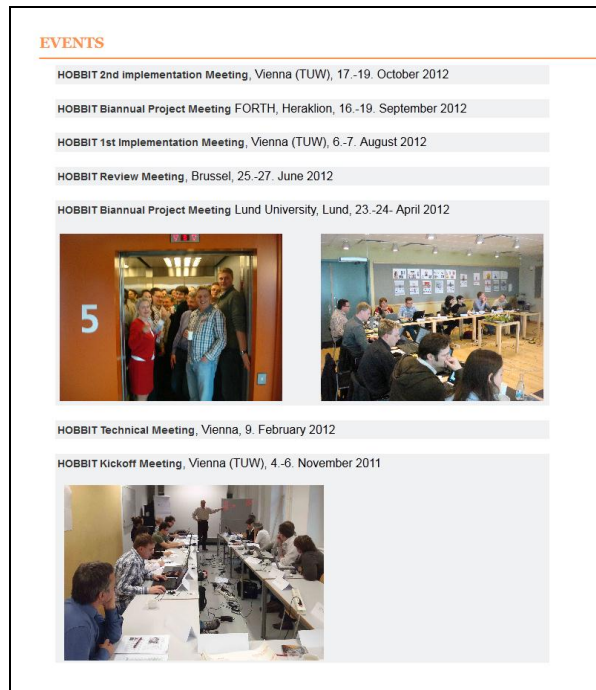


Figure 10: HOBBIT "Events" website page

### 3.6 Media

The *Media* page shows news relevant to the project.

#### 3.6.1 Media coverage

In this sub-page, all news (written or visual) reporting on the HOBBIT project and its members will be listed providing a URL to the news.



Figure 11: HOBBIT "Media coverage" website page

### 3.6.2 Videos

In this section, future videos from the project will be displayed.

## 3.7 Publications

The *Publications* page shows public written or visual material resulting from Hobbit project.

### 3.7.1 Scientific publications

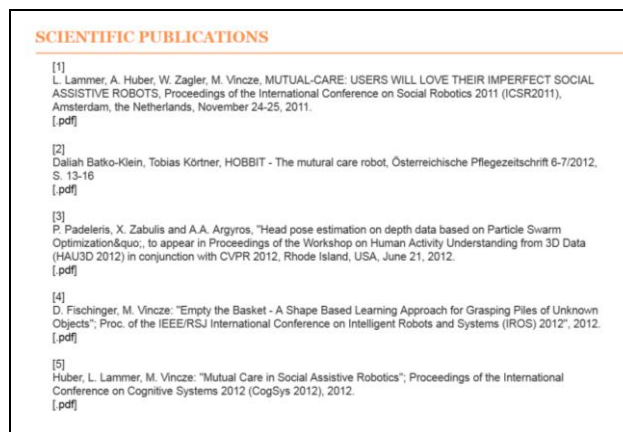


Figure 12: HOBBIT “Scientific publications” website page

### 3.7.2 Public deliverables

In this section abstracts from public deliverables resulting from the project will be displayed.

### 3.7.3 Project materials

*Project materials* will contain general dissemination materials on HOBBIT.

### 3.8 Collaborations and links to related initiatives

In this page, we show with which projects or initiatives on social assistive robotics HOBBIT either, actively collaborates or follows closely, to build on.

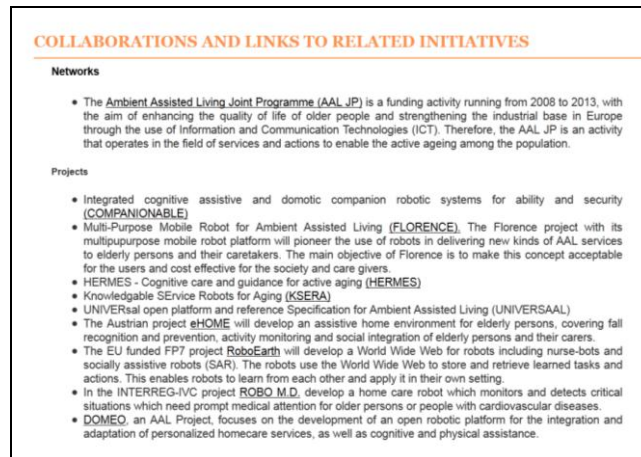


Figure 13: HOBBIT consortium website page

### 3.9 Impressum

The *Impressum* page discloses information about the publisher (TUW), including their contact details such as name and address.

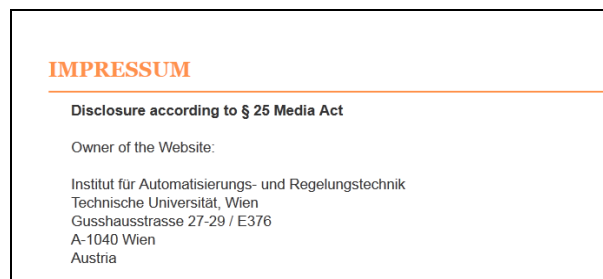


Figure 14: HOBBIT “Impressum” website page