

# ALFRED

Personal Interactive Assistant for Independent Living and Active Ageing



## WP9 – Impact

### D9.5: ALFRED Open Platform Website

Deliverable Lead: WORLD

Contributing Partners: TUDA, IESE

Delivery Date: 09/2016

Dissemination Level: Public

Version 0.9

This document is a reference to Deliverable “ALFRED Open Platform Website”.



Document Status	
<b>Deliverable Lead</b>	Emilia Garcia Nieto, WORLD
<b>Type</b>	Other (Website)
<b>Work Package</b>	WP9: Impact
<b>ID</b>	D9.5: ALFRED Open Platform Website
<b>Due Date</b>	30.09.2016
<b>Delivery Date</b>	30.09.2016
<b>Status</b>	In Progress

## Note

*This deliverable is subject to final acceptance by the European Commission.*

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## Project Partners

 <p>Ascora GmbH, Germany</p>	 <p>Atos Spain sau, Spain</p>
 <p>Worldline, Spain</p>	 <p>Charité - Universitätsmedizin Berlin - Department of Geriatrics, Germany</p>
 <p>Asociacion de Investigacion de la Industria Textil, Spain</p>	 <p>Technische Universität Darmstadt, Germany</p>
 <p>National Foundation for the Elderly, The Netherlands</p>	 <p>Talkamatic AB, Sweden</p>
 <p>E-Seniors, France</p>	 <p>TIE Nederland N.V., The Netherlands</p>
 <p>IESE Business School, Spain</p>	

## Table of Contents

- 1 Introduction .....5
- 1.1 ALFRED Project Overview .....5
- 1.2 Deliverable Purpose, Scope and Context.....6
- 1.3 Document Status and Target Audience .....6
- 1.4 Abbreviations and Glossary.....6
- 1.5 Document Structure.....6
- 2 Reference for Website .....7

# 1 Introduction

The following text needs to be adapted and used in every single ALFRED deliverable. Its purpose is to give a general introduction to the project for these people knowing little or nothing about the project. The following introduction of chapter 1 (without the last clause) as well as the subchapter 0 can be directly copied to your own deliverable, the remaining subchapter need to be altered or extended. The following example is taken from D2.1.

ALFRED – Personal Interactive Assistant for Independent Living and Active Ageing – is a project funded by the Seventh Framework Programme of the European Commission under Grant Agreement No. 611218. It will allow older people to live longer at their own homes with the possibility to act independently and to actively participate in society by providing the technological foundation for an ecosystem consisting of four pillars:

- **User-Driven Interaction Assistant** to allow older people to talk to ALFRED and to ask questions or define commands in order to solve day-to-day problems.
- **Personalized Social Inclusion** by suggesting social events to older people, taking into account their interests and their social environment.
- A more **Effective & Personalized Care** by allowing medical staff and (informal) caretakers to access the vital signs of older people monitored by (wearable) sensors.
- **Physical & Cognitive Impairments Prevention** with serious games that help the users to maintain and possibly even improve their physical and cognitive capabilities.

## 1.1 ALFRED Project Overview

One of the main problems of western societies is the increasing isolation of older people, who do not actively participate in society either because of missing social interactions or because of age-related impairments (physical or cognitive). The outcomes of the ALFRED project will help to overcome this problem with an interactive virtual butler (a smartphone application also called ALFRED) for older people, which is fully voice controlled.

The ALFRED project is wrapped around the following main objectives:

- To empower older people to live independently for longer by delivering a virtual butler with seamless support for tasks in and outside the home. This virtual butler (the ALFRED app) aims for a very high end-user acceptance by using a fully voice controlled and non-technical user interface.
- To prevent age-related physical and cognitive impairments with the help of personalized serious games.
- To foster active participation in society for the ageing population by suggesting and managing events and social contacts.
- And finally, to improve caring by offering direct access to vital signs for carers and other medical staff as well as alerting in case of emergencies. The data is collected by unobtrusive wearable sensors monitoring the vital signs of ALFRED's users.

To achieve its goals, the project ALFRED conducts original research from a user centred perspective and applies technologies from the fields of Ubiquitous Computing, Big Data, Serious Gaming, the Semantic Web, Cyber Physical Systems, the Internet of Things, the

D9.5 - ALFRED Open Platform Website	Document Version: 0.9	Date: 2016-10-06	Status: In Progress	Page: 5 / 7
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Internet of Services, and Human-Computer Interaction. For more information, please refer to the project website at <http://www.alfred.eu>.

## 1.2 Deliverable Purpose, Scope and Context

This Document is a reference for the Deliverable, which is a website.

## 1.3 Document Status and Target Audience

This document is listed in the Description-of-Work (DoW) as “public”, as it provides general information about the goals and scope of the ALFRED project and can therefore be used by external parties in order to get according insight into the project activities.

## 1.4 Abbreviations and Glossary

A definition of common terms and roles related to the realization of the ALFRED project as well as a list of abbreviations is available in the supplementary document “Supplement: Abbreviations and Glossary”, which is provided in addition to this deliverable. Further information can be found at <http://www.alfred.eu>.

## 1.5 Document Structure

This deliverable is broken down into the following sections:

- The first chapter provides a general overview of the project
- The second chapter states the purpose of this document as reference to the deliverable

D9.5 - ALFRED Open Platform Website	Document Version: 0.9	Date: 2016-10-06	Status: In Progress	Page: 6 / 7
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## 2 Reference for Website

This document is a reference to Deliverable “ALFRED Open Platform Website”.

See: <https://github.com/ALFREDProject>

D9.5 - ALFRED Open Platform Website	Document Version: 0.9	Date: 2016-10-06	Status: In Progress	Page: 7 / 7
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