Cloud 4all

Aims at automatic personalization of products and services using cloud technologies

Has the objective of augmenting and activating any natural built-in accessibility feature of products and services

Create a mechanism to allow users to locate solutions from any different sources in a single search

Test the concept with users with a wide variety and combination of physical, sensory, cognitive, language and learning disabilities

Is developed by a consortium of 24 partners and 3 collaborators

Will be finished in 2015

www.cloud4all.info
info@cloud4all.info.

Consortium

The Consortium brings together 24 Partners and 3 Collaborators from 9 European countries plus Canada and USA:

- Fundosia Technosite, S.A (Technosite) Spain
- Raising the Floor – International Association (RIF-I) Switzerland
- Centre for Research and Technology Hellas (C.E.R.T.H.) Greece
- Philips Consumer Life Style B.V. (Philips) The Netherlands
- Hochschule der Medien (HDM) Germany
- Fundación Vodafone España (FVE) Spain
- Ontario College of Art and Design University (IDRC) Canada
- Technische Universität Dresden (TUD) Germany
- Stephen Andrew Lee (FULLM) UK
- Fondazione Don Carlo Gnocchi Onlus (FDCGO) Italy
- Barcelona Digital Technology Centre (BDIGITAL) Spain
- Singularlogic Anonymos Etaira Pioforitikon Systimatonom Efarmogon Pioforikis (SILO) Greece
- Universidad de Navarra (IESE) Spain
- Fraunhofer-Gesellschaft Zur Foerderung der Angewandten Forschung E.V (FhG) Germany
- Universidad Politecnica de Madrid (UPM) Spain
- Astea Solutions AD (ASTEA) Bulgaria
- N. Panagopoulos – N. Demou OE (enLogic) Greece
- Texthelp Systems LTD (Texthelp) UK
- Omnitel AB (OMNITOR) Sweden
- Code Factory S.L. (Code Factory) Spain
- Emergya Ingenieria S.L. (EMERGYA) Spain
- Hoeft & Wessel AG (H&W) Germany
- Fundación ONCE para la cooperación e inclusión social de personas con discapacidad (FONCE) Spain
- Stiftung Digitale Chancen (SDC) Germany
- Microsoft Corporation (MS) USA
- Mozilla Corporation (Mozilla) USA
- Serotek Corporation (Serotek) USA

CLOUD PLATFORMS LEAD TO OPEN AND UNIVERSAL ACCESS FOR PEOPLE WITH DISABILITIES AND FOR ALL

Led by: Technosite

Funded by EU’s FP7
**What is Cloud4all?**

Cloud4all aims to develop a completely new paradigm in accessibility by developing automatic personalisation of any mainstream product or service, using cloud technologies to activate and augment any natural (built-in) accessibility the product or service (3rd generation) according to a profile of the user’s needs. This approach goes beyond 2nd generation of assistive technologies, based on the adaptation of individual products and services for a person.

**The need and the aim**

Cloud4all meets the need for substantially improving accessibility for ICT products and services. This includes products and services such as eCommerce, eGovernment, eHealth, eCulture and Internet banking. Over the next ten years, the project will provide opportunities for older people and people with disabilities in using such products and services. This will allow them to apply for jobs online, use job-matching platforms or eLearning applications.

**How it works**

To achieve its goal the project concept is based on the creation of an explicit and implicit user profile (store either locally or in the cloud; depending on user preference), that automatically matches mainstream products and services with necessary access features and configures them according to users’ preferences and context of use, anywhere (any device the person encounters in any location), on any device (PC, mobile, smartphone, TV...), seamlessly and holistically (configuring both content and user interface), including augmenting the accessibility of the product when needed, through special web applications, cloud-based assistive technology (AT), cloud-based desktops, running without AT installation or with downloads and AT installation.

**Innovative aspects**

Within Cloud4all we will be extending not only the types of technology the concepts will be applicable to but also the environments in which personal preferences can be safely stored. Cloud4all seeks to develop techniques that can be used in an open and hostile Internet environment, resist phishing, and be usable by those who do not understand security.

The project will also extend and enhance the type of information stored in the user profile as well as the users’ ability to edit and control these data. A mechanism will be developed for federating existing databases and creating mechanisms to allow for the eventual "unified" source which can use a federated search to identify any known built-in or AT based solution.

**New benefits**

Cloud4all will allow us to move towards (commercial) interfaces and "inclusive design" by:

- Providing interfaces that work for people having trouble using products due to disability, literacy or age related barriers.
- Helping people who just want a simpler interface, have a temporary disability, want access when their eyes are busy doing something else, want to rest their hands or eyes, want to access information in an "enforced silence" or in very noisy environments.
- Promoting a real impact in all kinds of users, but also in most actors of the accessible ICT and AT markets.