Evaluating the Global Public Inclusive Infrastructure: Cloud4all evaluation framework

Eleni Chalkia[a], Juan Bautista Montalva Colomer[b], Silvia de los Rios Perez[b], Ivan Carmona Rojo[c]

[a]Centre of Research and Technology Hellas/Hellenic Institute of Transport (CERTH/HIT), Thessaloniki. Greece
hchalkia@certh.gr
[b]Universidad Politécnica de Madrid (UPM), Madrid, Spain
jmontalva@lst.tfo.upm.es, srios@lst.tfo.upm.es
[c]Technosite - Fundación ONCE, Madrid, Spain
icarmona@technosite.es

Abstract. Moving rapidly into digital economy expands the need for accessibility coming from the growing number of people with disabilities, in various contexts. Additionally, ubiquitous computing has amplified the need for interactive systems to be able to adapt to their context of use, enhancing their utility while preserving usability. Cloud4all project [**¡Error! No se encuentra el origen de la referencia.**] aims to develop a complete new paradigm in accessibility, by replacing adaptation of individual products and services, with auto-configuration of any mainstream product or service, using cloud technologies to activate and augment any natural accessibility the product or service has, based upon a set of the user's Needs & Preferences (N&Ps). In order to assess this goal, Cloud4all has developed an evaluation framework, as part of the User Centred Design (UCD) iterative process. This paper provides an overview of the 1st pilots' evaluation framework, together with ideas and plans about the general framework of the pilot test.

Keywords: Accessibility, evaluation framework, auto-configuration, scenario, usability, user experience, Cloud4all.