

AsTeRICS

Assistive Technology Rapid Integration and Construction Set



Prototype 1 ready and tested

The AsTeRICS project, partially funded by the European Commission under the Seventh Framework Programme for Research and Technological Development is developing according to the plan.

On August 30th, 2011 the Deliverable 1.5 “Evaluation Report Integrated Prototype 1” proved that the initial concept was viable. Prototype 1 already supports most of the sensors and actuators that were specified for the Final Prototype.

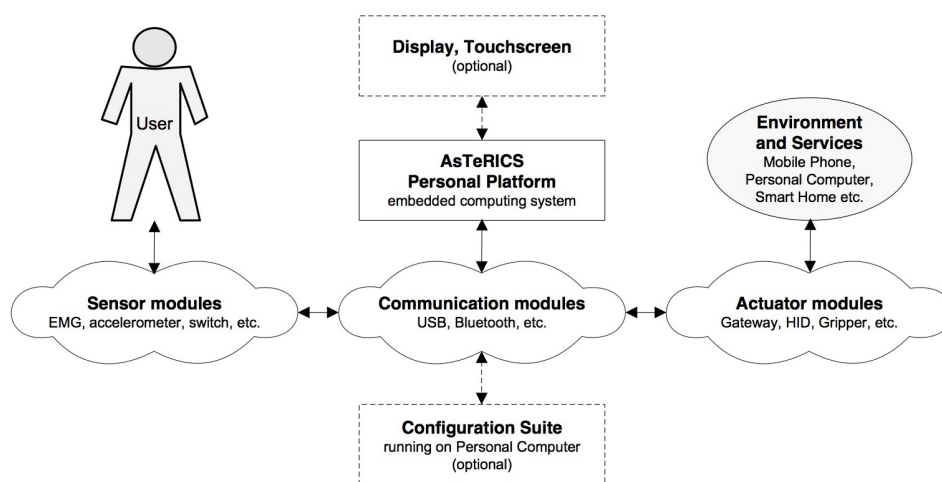
Prototype 1 was tested in Austria, Poland and Spain with users, who already now gave positive opinions about the usability of AsTeRICS. The test data was analysed and the Project Consortium has drawn conclusions leading to a new specification that takes into account user suggestions and opinions.

The next steps will lead to the Final Prototype construction and testing against the redesigned specification.

AsTeRICS will provide a **flexible** and **affordable construction set** for realising **user driven AT** by combining emerging sensor techniques like Brain-Computer Interfaces and computer vision with basic actuators. People with reduced motor capabilities will get a flexible and adaptable technology at hand which enables them to access the Human-Machine-Interfaces (HMI) of the standard desktop but in particular also of embedded systems like mobile phones or smart home devices.

The core of the software suite will be provided as **Open Source**. The complete system will be affordable for many people who cannot benefit from leading edge supportive tools today.

The following figure outlines the concept of the AsTeRICS construction set, which consists of several modules and a software suite for configuration of the overall system:



AsTeRICS revolutionises the concept of AT: AT today mostly focuses on a certain task or situation. Due to the growing importance of the PC, AT has been oriented towards standard Human-Computer-Interaction (HCI) or desktop interfaces. AsTeRICS respects the strong need for flexible, adaptable AT functionalities accompanying people with disabilities away from the desktop, enabling them to interact with a diverse and fast changing set of deeply embedded devices in our modern environment. For more information please refer to www.asterics.eu

Participating Partners

Organisation

Project coordinator : Kompetenznetzwerk Informationstechnologie zur Förderung der Integration von Menschen mit Behinderungen (KI-I)
Fachhochschule Technikum Wien
University of Cyprus
Université Pierre et Marie Curie (Paris 6)
Starlab Barcelona SL
Harpo Sp. z o.o.
Sensory Software Ltd

Country

Austria

Austria
Cyprus
France
Spain
Poland
United Kingdom
Spain
Czech Republic

Fundacion Instituto Gerontologico Matia – INGEMA
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Project Profile

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