



Active Older Adults @ Workplace



PROJECT MISSION

- Improve life quality for senior workers in the service sector
- Assist older adults at continuing their work without risking their health by promoting a feeling of wellness.
- Demonstrate the importance of keeping older adults motivated and with a feeling of usefulness



GENERAL INFORMATION

Project Funding:

AAL JP funded project, total budget €1,98 million,
funding: €1,08 million

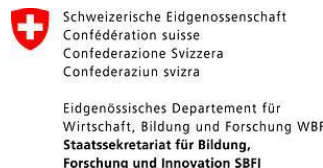
Duration of the project: 30 months

Starting date: 1 December 2014



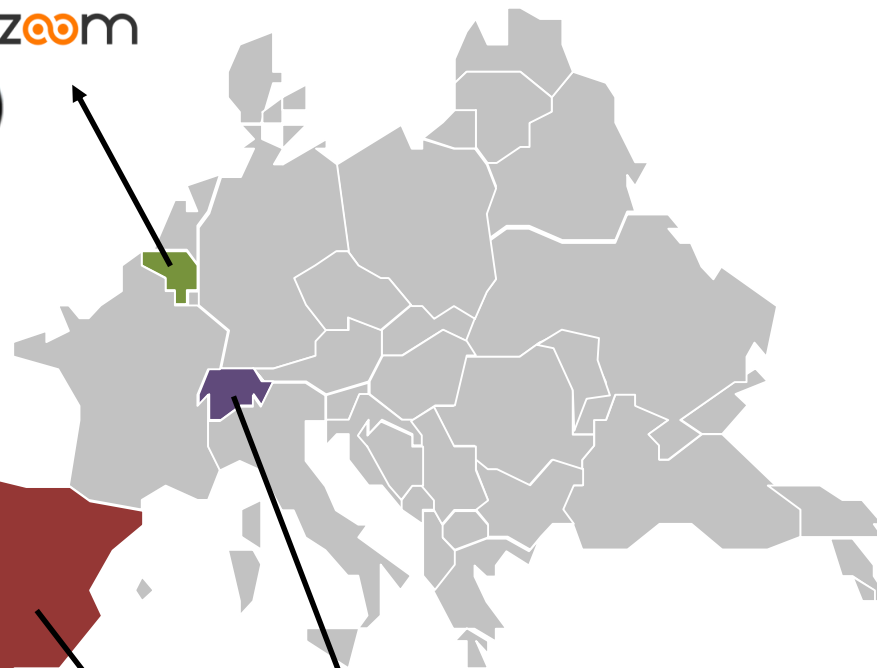
FUNDING AGENCIES

Active@Work is a project cofunded by the **European Commission**, **Ambient Assisted Living funding organization**, Ministerio de industria, energía y Turismo of Spain (**Minetur**), **FCT** - Fundação para a Ciência e a Tecnologia in Portugal, Government Agency for Innovation by Science and Technology of Belgium (**IWT**), State Secretariat for Education, Research and Innovation (**SERI**) in Switzerland.





PARTNERS



ATOS Spain S.A.U

Spain

INOV INESC INOVAÇÃO – Instituto de Novas Tecnologias

Portugal

IOS International

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Multisector Norte – Innovation Consulting, Lda.

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Sensolus BVBA

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University of St. Gallen

Switzerland

Yazzoom BVBA

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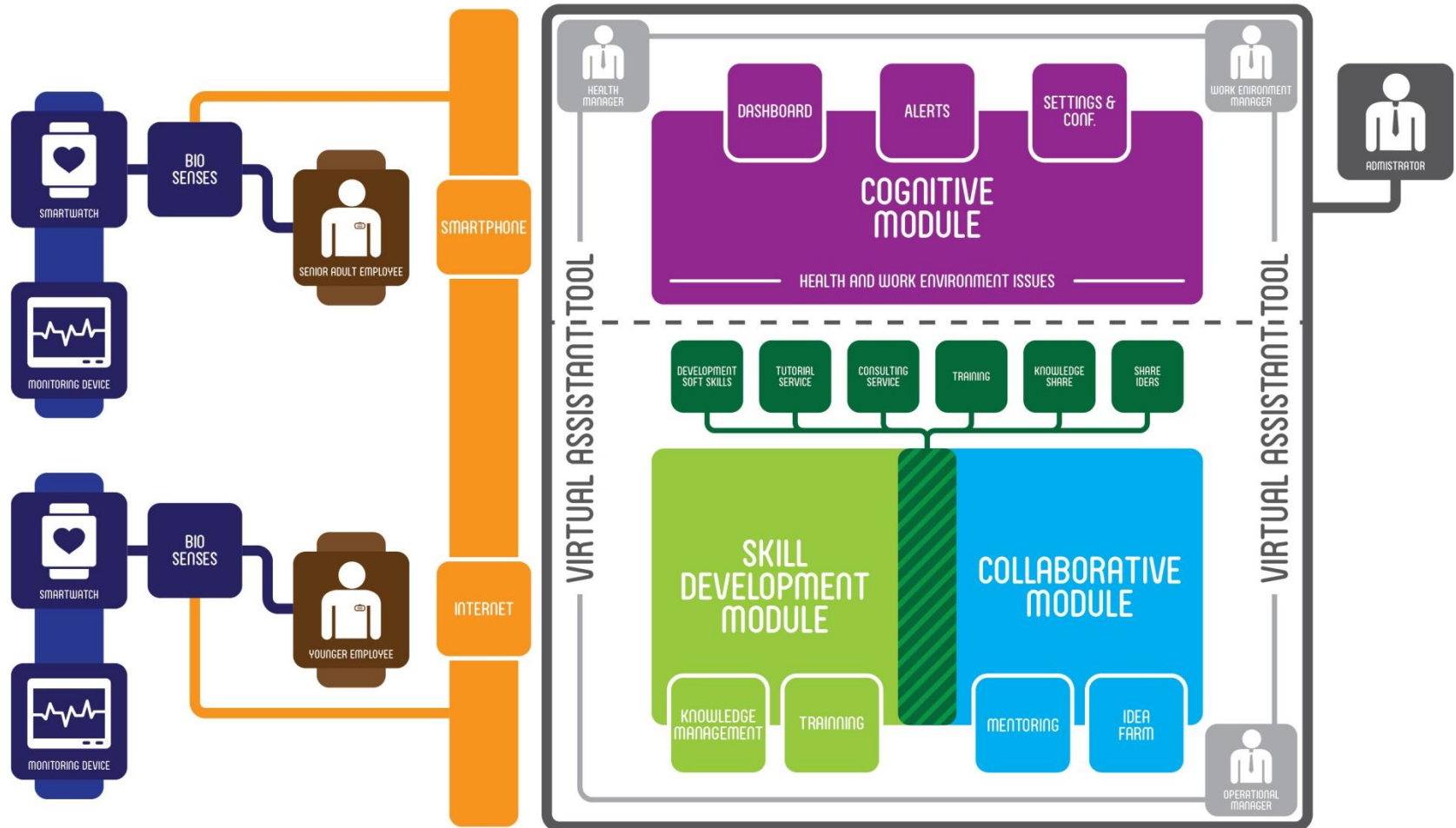
PROJECT OBJECTIVES

The Active@Work project will provide a modular solution with a Virtual Assistant tool able to assist adult workers in particular those close to retirement age, to continue executing their daily work. This solution consists of:

- 1) A **Cognitive system** capable to represent the conditions of the work environment providing a catalogue of services to assist the user in their daily work;
- 2) A **Collaborative module** to promote active participations and interactions between employees, sharing of experiences amongst older and younger employees. Provide a collaborative environment to endorse innovative ideas as well as the establishment of mentoring services;
- 3) A **Skill Development module** addressing a training environment to provide support for workers to engage in new activities, where their knowledge and expertise can be an important asset.



ARCHITECTURE



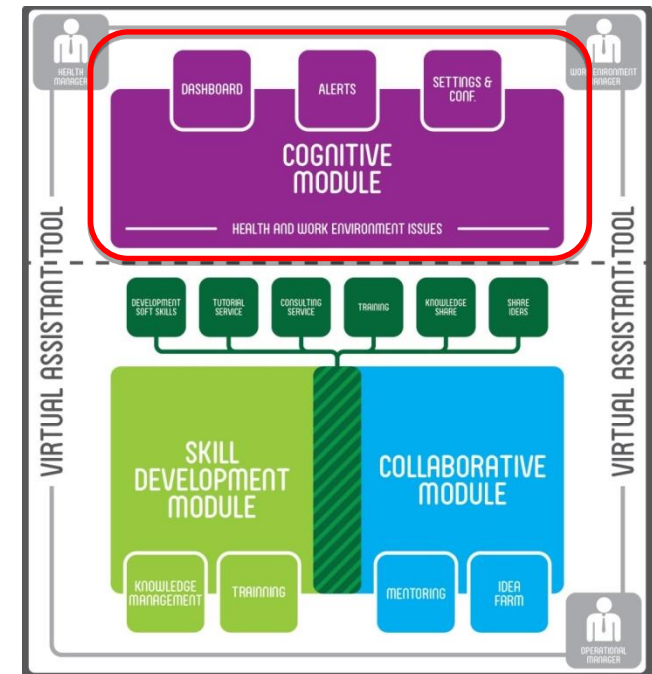


MODULES

1. An **Cognitive Module** that will assist the user at accomplishing his/her work without compromising health and preventing any other risk derived from fatigue or stress at work.

keywords:

- Health environment
- Work environment
- Multi-sensor wearable devices
- Monitoring
- Alerts
- Dashboard



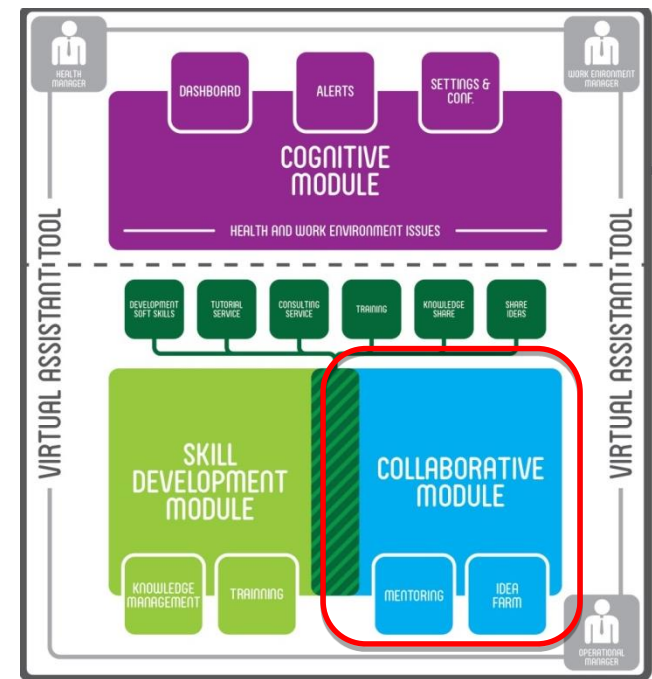


MODULES

2. A **Collaborative module** that provides consulting and tutoring services by sharing experiences between employees.

keywords:

- Knowledge Share
- Share Ideas,
- Consulting Services
- Mentoring



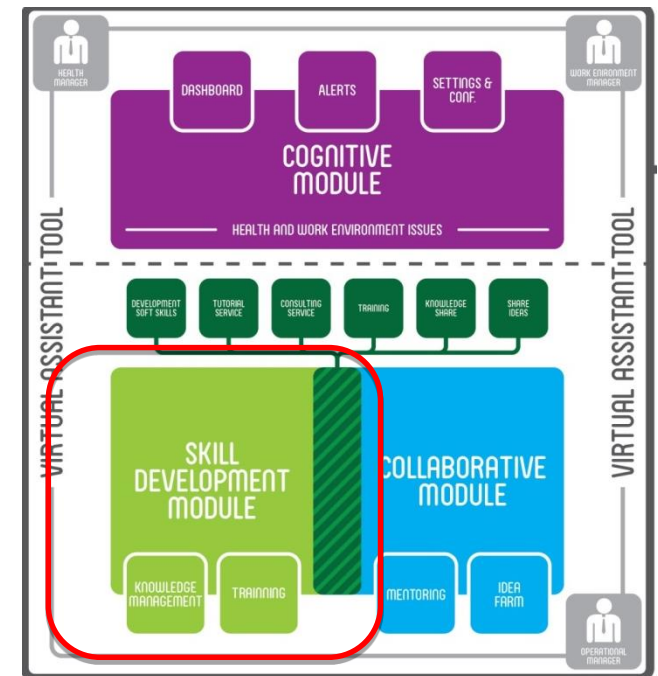


MODULES

3. A **Skill Development module** that will provide support for the worker to engage in new activities, where his/her knowledge and experience will be an important and recognized asset. The major goal of this module is to provide an e-learning environment complemented with a training tool to senior workers to increase their independence and skills within the organization.

keywords:

- Development Soft skills
- Tutorial services
- Training
- Knowledge Management





EXPECTED RESULTS AND IMPACT

- 1) Capability to detect and monitor a set of bio-parameters through the use of multi-sensor wearable devices;
- 2) Assist the user at accomplishing his/her work without compromising health and preventing any other risk derived from fatigue or stress at work;
- 3) Assist senior workers to keep active and healthy, both physical and mentally. Including the capability to intervene, in response to identified potential health threats that could compromise workers health status or their role within the organization;
- 4) Support for the worker to engage in new and rewarding activities, where his/her knowledge and experience will be an important and recognized asset;
- 5) Senior workers will have the possibility to exercise and raise their cognitive skills or recover their skill levels within a training environment;
- 6) Provide operational intelligence with a proactive model and predictive algorithms for recognition of behavioral trends and early detection of personal health risks, triggering alert messages whenever individual health thresholds conditions are exceeded.



FIRST PILOT

- Deployed in Spain
- Led by *ATOS Spain S.A.U*
- Will take place in the main headquarters of the company (Albarracín, Madrid)
- Include the participation of at least 10 senior consultants/and or directors (+55 year old), with a high level of stress in their jobs, low physical activity, long hours at work, occasional travels to foreign countries and some meetings outside the workplace. Due to the new “Zero email policy”, they have short but frequent meetings “face-to-face” with other workers inside headquarters’ building with 4 floors. Need for the solution to cope with data privacy issues (non-discrete sensors or alert systems could be very embarrassing in the working environment).





SECOND PILOT

- Deployed in Belgium



- Led by IOS International and Sensolus.

- Will take place at a large leisure site with over 200 vacation homes and a tropical swimming pool.

-The pilot will support technical maintenance staff and operational management. The maintenance employees experience a high physical and mental workload because of the size of the leisure park and the short time spans in which defects need to be corrected. Older employees are crucial due to their experience with the infrastructure. However, because of the physical and mental workload it becomes a challenge to remain efficient. The pilot will focus on reducing both the mental and physical workload of the users.

ACTIVE @ WORK



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THANKS