
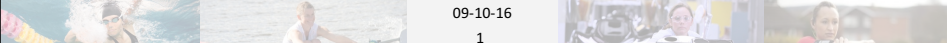



European Platform for Sports Innovation 

PFI Germany

ARS4MOTION

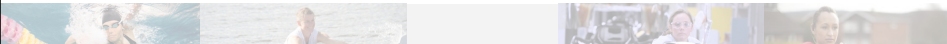
09-10-16
1



European Platform for Sports Innovation 

Project CHARACTERISTICS

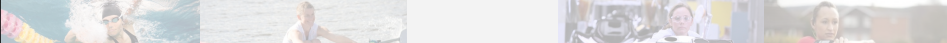
- Name of the project: Augmented Reality Shoes to empower self-management of biomechanical stress at foot level
- Project acronym: ARS 4 Motion
- *Call or EC work program and reference: SC1-PM-15-2017*
- *Date for submitting the proposal: 31/01/2017*
- *Partnership:*
 - *prime proposer: PFI*
 - *industrial partners: Klaveness, Otto Bock*
 - *research partners: Sintef, University of Porto*
 - *other partners: Epsi*
- *Estimated budget: 3-4 Mio.*
- *Estimated duration of project: 2-3 Years*



European Platform for Sports Innovation epsi^{eu}

Project description

- What are the objectives of the project?
 - Shoe, Sensor, actuators, health monitoring, algorithms, ICT, AAL, E-Health
- What challenges does the project tackle?
 - Measuring activity & health parameters, asses individual wellbeing context, deviate behavioural recommendations, fusion of a broad field of technologies
- What will be the result of the project?
 - Dynamic interest based grouping, new SensorSystem, threat forecasting, strengthened heath & fitness awareness
- What application fields are addressed (within and outside of Sports)?
 - Elderly, frail people (diabetes, multimorbidity), general fitness, care...
- What technologies are needed/involved?
 - ICT ,(C)DSS, self adapting algorithms, sensor development, augmented reality, big data, data security

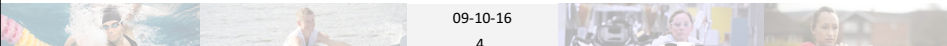



European Platform for Sports Innovation epsi^{eu}

Project impact

- What is the expected impact of the project?
 - Societal (health, fitness)
 - Self defined living and care, grouping people with same (health & fitness) status
 - Business
 - New Services, new sensors, e-coaching, documentation of care and therapy, insurance
 - Knowledge
 - Threat forecasting, data of lots of probands, personalized recommendations
- How will this impact be realised?
 - competent, specialized partners
 - new measurement systems with sophisticated electronics
 - latest ICT technology
 - effective, adaptable algorithms
 - lots of lab trials (users are aware of the impact of this project)
 - Inclusion of end users, dissemination to target groups
 - Presentation of concept and application in real and via web

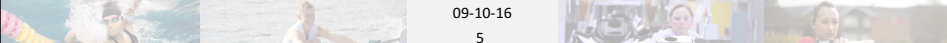
09-10-16
4




European Platform for Sports Innovation 

Partner search

- What partners are you looking for?
 - Experience and interest in:
 - ICT, shoes, augmented/virtual reality, (e) health
- What are the benefits for potential partners?
 - develop algorithms and techniques in the e-health, e-coach and ICT field
 - prove your technology at in the field with probands
 - Be a part of a very future oriented challenging project
 - Project results can be adapted for e-fitness, e-sports as well

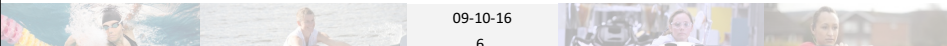


09-10-16
5

European Platform for Sports Innovation 

Further questions or needs

- From EPSI/EPSI partners?



09-10-16
6