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PFI Germany, Duna Ciprian

PREDICTIVE AND DECISION SUPPORT SYSTEM BASED ON SELF-LOCKING SHOELACES FOOTGEAR AS SELF-MANAGEMENT TOOL OF HEALTH AND DISEASE - ISHOE

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Project CHARACTERISTICS

- **Name of the project:** Predictive and decision support system based on self-locking shoelaces footgear as self-management tool of health and disease
- **Project acronym:** iShoe
- **Call or EC work program and reference:** PHC-28-2015, RIA
- **Date for submitting the proposal:** 21st April 2015
- **Partnership:**
 - prime proposer: PFI Germany
 - industrial partners: GEO (CY), PAMIDA (SK), GZ (IT)...
 - research partners: UPC (ES), CAN (TR), INEGI (PT), HAD (IL), FZI (DE), SINTEF (NO)
 - other partners: EPSI (BE), CVTI (SK)
 - in discussion: MU (UK), KAV (NO), SU (UK)
- **Estimated budget:** 3 millions
- **Estimated duration of project:** 3 years

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Project CHARACTERISTICS

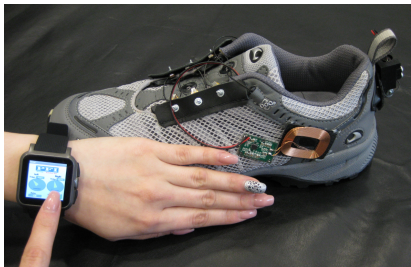
Individual Adaptation of the Gait Sequence Foot Defective Positions	Positive Influence of the Motion Control Maldevelopments of the Locomotor System Self-Management
Self-Locking Shoelaces Footgear Integrated Sensors and Wireless DTS	Dedicated Application for Smart Devices Predictive Modelling
Methods of Correction Biomechanical Stress Measurements in the Footgear	Prevention based on Predictive Modeling Correction based on Recommendations Assistance and Decision Support

iShoe

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AutoShoe developed at PFI



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AutoShoe developed at PFI

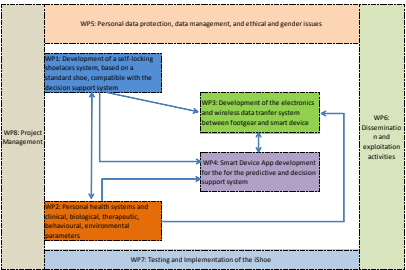


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Project description

Challenges



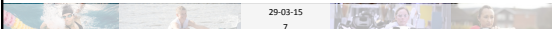
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Project impact

- Improving the participation of the patient in the care process -> iShoe offers decision support -> App recommendations both for healthy and not healthy persons.
- Improving the management of a disease by reducing the number of severe episodes and complications -> iShoe provides the bearer with a warning message when the normal range values are exceeded.

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Project impact

- Increasing the importance of the prevention sector in healthcare using predictive modelling -> iShoe is based on predictive models that can foreseen the development of a specific existing complication.
- Boosting the development of personal devices used for self-management of health.
- Improving individual self-control of health and of disease prevention.

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Partner search

To be discussed with the interested parties.

Any questions can be answered during the working session afterwards.

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