

# Project Teca-Park: Objectives and Development

**(local and remote experiments)**

**25/02/2018**

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**09:00–10:00**

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This project is intended to cover monitoring and rehabilitation of Parkinson's Disease patients in remote areas along the Spain-Portugal boundary. This long frontier, extending more than 1000 Km has become one of the less populated and most aged areas in Europe. The lack of large cities or towns has condemned it to be forgotten by the healthcare and social assistance system. To help in improving these needs the project proposes a data interchange platform which makes use of smart devices (phones and tablets) to recruit speech, gait and limb activity from PD patients, as well as metainformation of clinical value (cognitive and motor tests). These data are deployed in a relational database made available to doctors and social assistants (caregivers, speech therapists and rehabilitators). A series of local and remote pilot experiments are being conducted to test and improve the technology in real scenarios. The project is being carried out by Universidad Politécnica de Madrid, Universidad de Gijón, Universidade do Porto (Portugal) and the Massachusetts Institute of Technology.