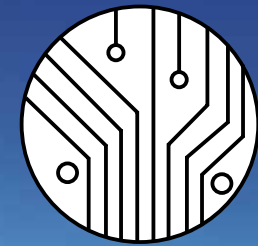




WEARABLE SENSOR TECHNOLOGIES

# SENDoc



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## Smart sENsor Devices

FOR REHABILITATION AND CONNECTED HEALTH

SENDoc will introduce wearable sensor systems in ageing communities in the northern periphery of Europe.

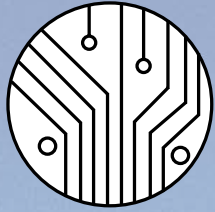
These sensors have the potential to support independent living. SENDoc will assess the technical, clinical and social acceptability of devices and the impact on patients, on healthcare delivery, and on rural communities.

Access the NPA Programme website [www.interreg-npa.eu](http://www.interreg-npa.eu) to find out more.

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WEARABLE SENSOR TECHNOLOGIES

**SENDoc**

### **SENDoc aims to:**

- introduce the use of wearable sensor systems in ageing communities in northern remote areas.
- test sensors which can measure mobility, strength, balance, wellbeing, exercise and safety.
- provide potential to support independent living.

Wearable sensors can measure mobility, strength, balance, wellbeing, exercise, and safety; with the potential to support independent living. This has long term implications for every older person living in northern periphery, particularly women, who form a disproportionate element of rural elderly. SENDoc will incorporate innovative technology with new models of delivery, to deliver effective services to a changing and ageing rural population.

SENDoc will engage with patients, citizens and communities to:

- assess technical, clinical and social acceptability of wearable technologies.
- measure impact on patients, health and care delivery, and rural communities.
- propose new models of healthcare service delivery.

SENDoc results will contribute to changes sought by NPA 2014-2020 by:

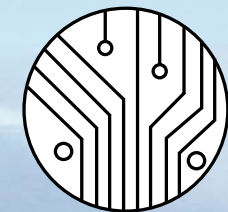
- innovating with new models of delivery with communities, to deliver effective services to a changing and ageing rural population.
- using innovative technology and platforms to enable novel approaches to meet patients needs.

### **Objectives:**

- Assess acceptability of wearable sensors.
- Translate innovative technology into practice.
- Design new service delivery models for home-based rehabilitation.

### **Outputs:**

- Report on current knowledge of wearable sensor technologies in health.
- Four Demonstrator projects.
- Guide to introducing wearable sensor technologies in home rehabilitation.
- New home-based rehabilitation service delivery models.
- Tested and refined wearable sensor systems for support of independent living for ageing populations.



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