

ITEA-2019-19008 Inno4Health

*Stimulate continuous monitoring in
personal and physical health*

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Dissemination level		
PU	Public	
PP	Restricted to other programme participants (including the Commission Service	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (excluding the Commission Services)	

0 Document info

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Documents history

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1 Introduction

This deliverable (D7.2) contains information about the Inno4Health project public webpages.

According to the contract, the public will be informed about the Inno4Health project by an up-to-date website. It gives an overview about the project and exhibits a growing list of press material and publications accessible by public.

This website is located at <https://inno4health.eu/>

For the Inno4Health project-members, via login, also an internal shared drive has been created for project management and internal information sharing.

The website is also linked to analytics software, so we have insights in the number of visitors, views, country of origin, et cetera. The data is collected since the 21st of February 2021 and will be monitored monthly.

This deliverable gives an impression of the public website by showing screen dumps. Please visit the Inno4Health website for a full overview.

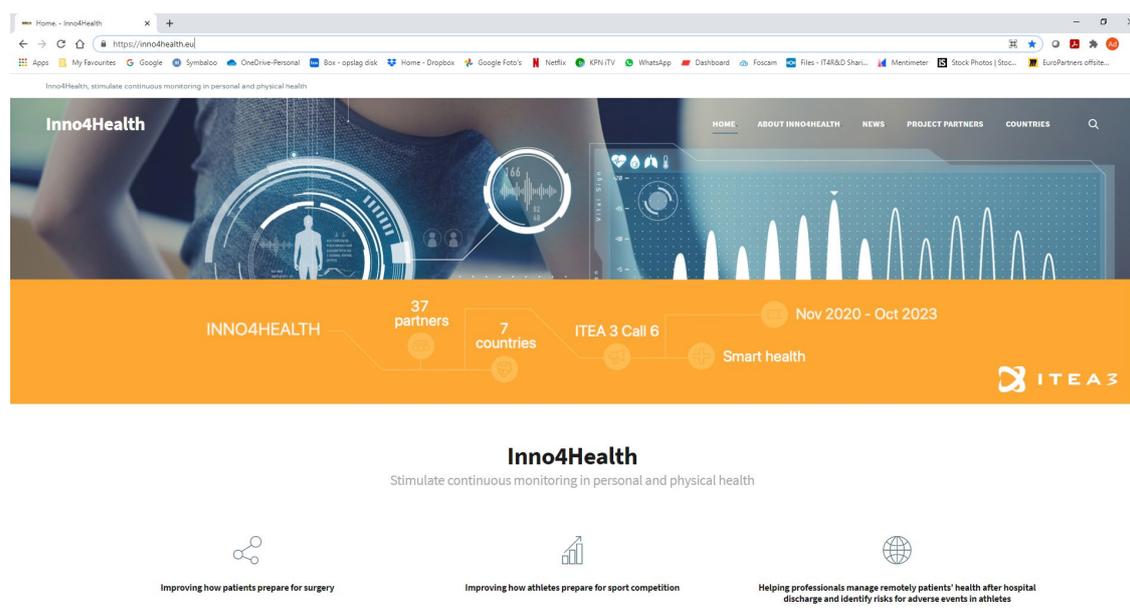


Figure 1: Homepage of the Inno4Health project

2 Description

At the top of the homepage, we have a menu bar that allows the viewers to choose different topics, like a general overview of the project, an overview of the consortium members, work packages and demonstrators. Below some screenshots of the different pages.

2.1 Abstract

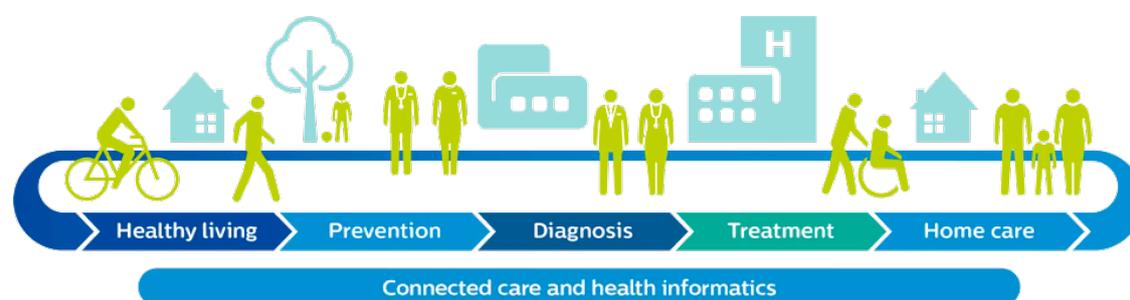
European project Inno4Health



In our aging population, the number of surgeries performed is increasing rapidly. At the same time, there is a growing risk of complications, as patients are becoming frailer and have more comorbidities. In top sports, tracking the condition of athletes is essential to guide physical preparation. However, maladaptation to training, risks of injuries and adverse health events like sudden cardiac arrest are often reported in the news, affecting both elite as well as recreational athletes.

These problematic challenges deriving from the healthcare and sports domains may require solutions that have a lot more in common than it could be thought.

In the clinical community, **preparing patients to be fit for surgery** and rehabilitation generates a win-win situation for: i) payers in terms of healthcare cost savings, ii) patients in terms of health outcome and iii) clinicians in terms of workload, due to optimized speed of recovery and minimized chance of complications. In sports practice, **preparing athletes to be fit for sport competition** and recovery is a complex challenge, which requires insight into the fitness, recovery and psychological status of the individual.



Inno4Health aims to stimulate innovation in continuous health and fitness monitoring to inform patients and their treating physician regarding the readiness associated with surgery and the ability to recover rapidly from invasive treatment. In sports, the same technology will be used to continuously assess fitness and health to provide information to athletes and their coaches and to help them optimize performance during

competitions. Inno4Health will be a pioneer in the area of comprehensive data capturing and interpretation outside the hospital walls and training field. Inno4Health will foster advances in sensing technologies, emerging IoT communication capabilities and artificial intelligence for embedded data interpretation and user analytics.

Inno4Health will create innovative design for wearable sensors (in-soles, shirts, plasters) that address usability needs of both patients and athletes. Wearable products (commercially available or investigational research prototypes) will be included in a device ecosystem to enable data collection in healthcare and sports use cases. All technology will be used to develop algorithms for performance, fitness and health assessment that could be optimized locally at the user-level or scaled up to populations of patients and athletes. Ultimately, domain-dependent professional dashboards and AI-centred applications will be created to generate guidance for health and fitness improvement programs.

The global wearable medical device market size was valued \$10.3 billion in 2018 and is expected to witness a 26.1% CAGR over the next few years. The market size of player tracking is expected to grow from \$2.1 billion in 2018 to \$7.3 billion by 2023. The ambition of Inno4Health is to leverage the growth potential of wearable and monitoring technology to create a platform upon which data-driven and diversifiable solutions can be built to address the needs and challenges of the heterogeneous healthcare and sports market.

Inno4Health is composed by industrial leaders in the healthcare and sports domain (Philips and Polar), one industrial leader in security and privacy (Thales DIS/Gemalto), and by several SMEs, academic, clinical and sports partners. The added value of this consortium is that we will cover a broad spectrum in the technical and market value chain, with direct access to patients and athletes.



3 Screenshots

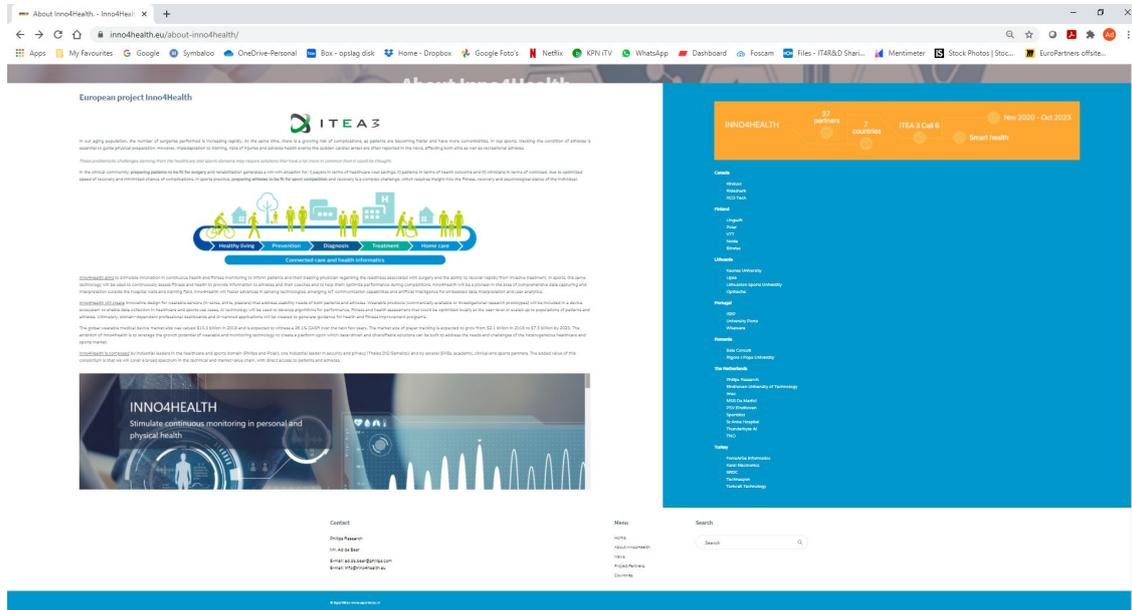


Figure 2: Abstract

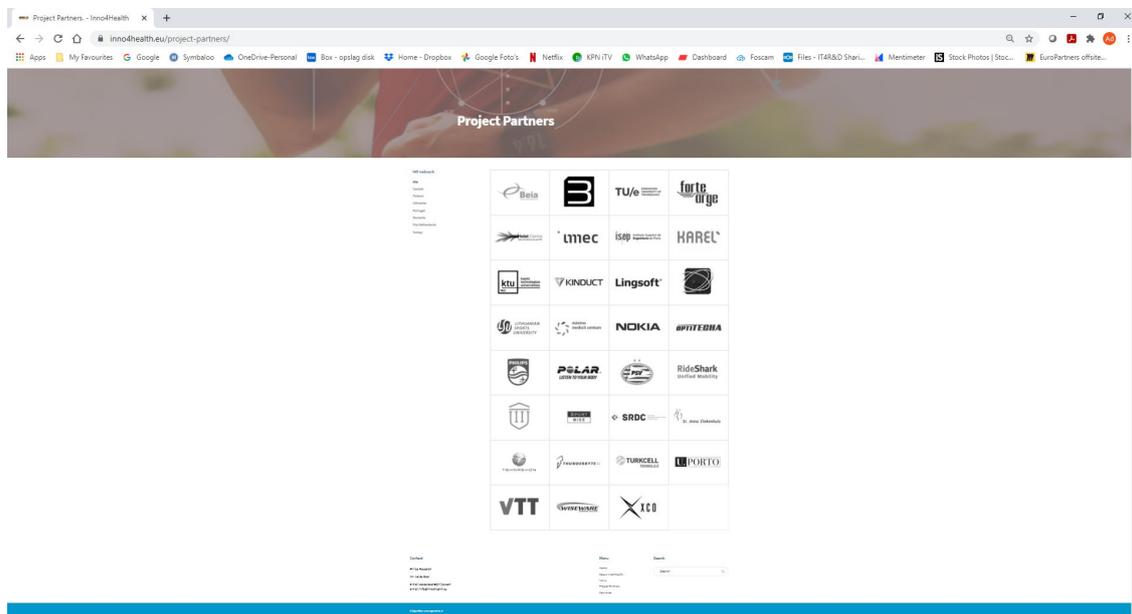


Figure 3: Consortium members

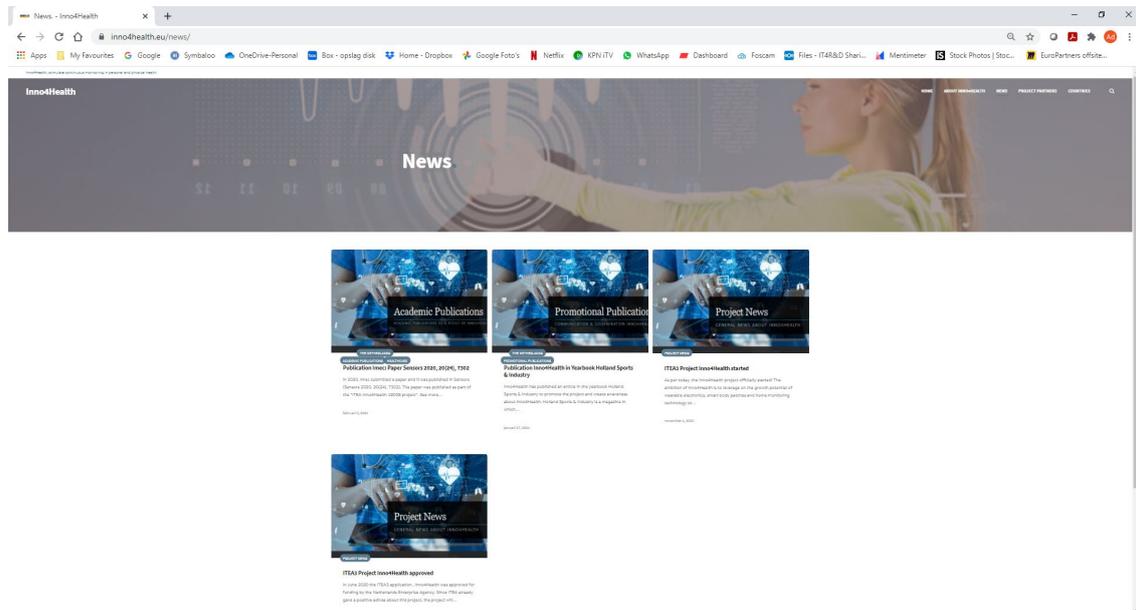


Figure 4: Overview of public scientific papers, presentations etc., as outcome of the dissemination activities

This section will be regularly updates when their become new material and/or new activities will be deployed.

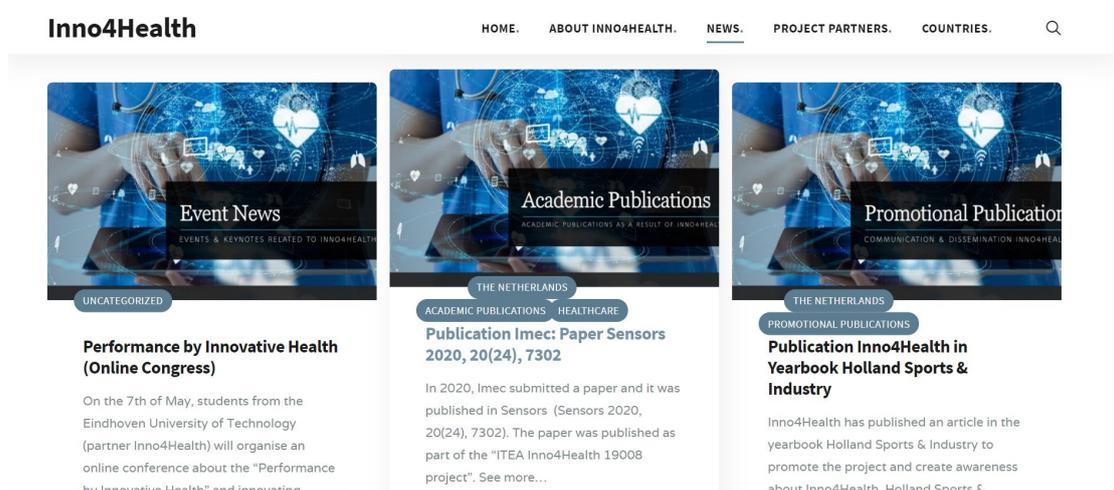


Figure 5: News section

Interesting articles and conferences will be displayed here, specific on sports and healthcare related events

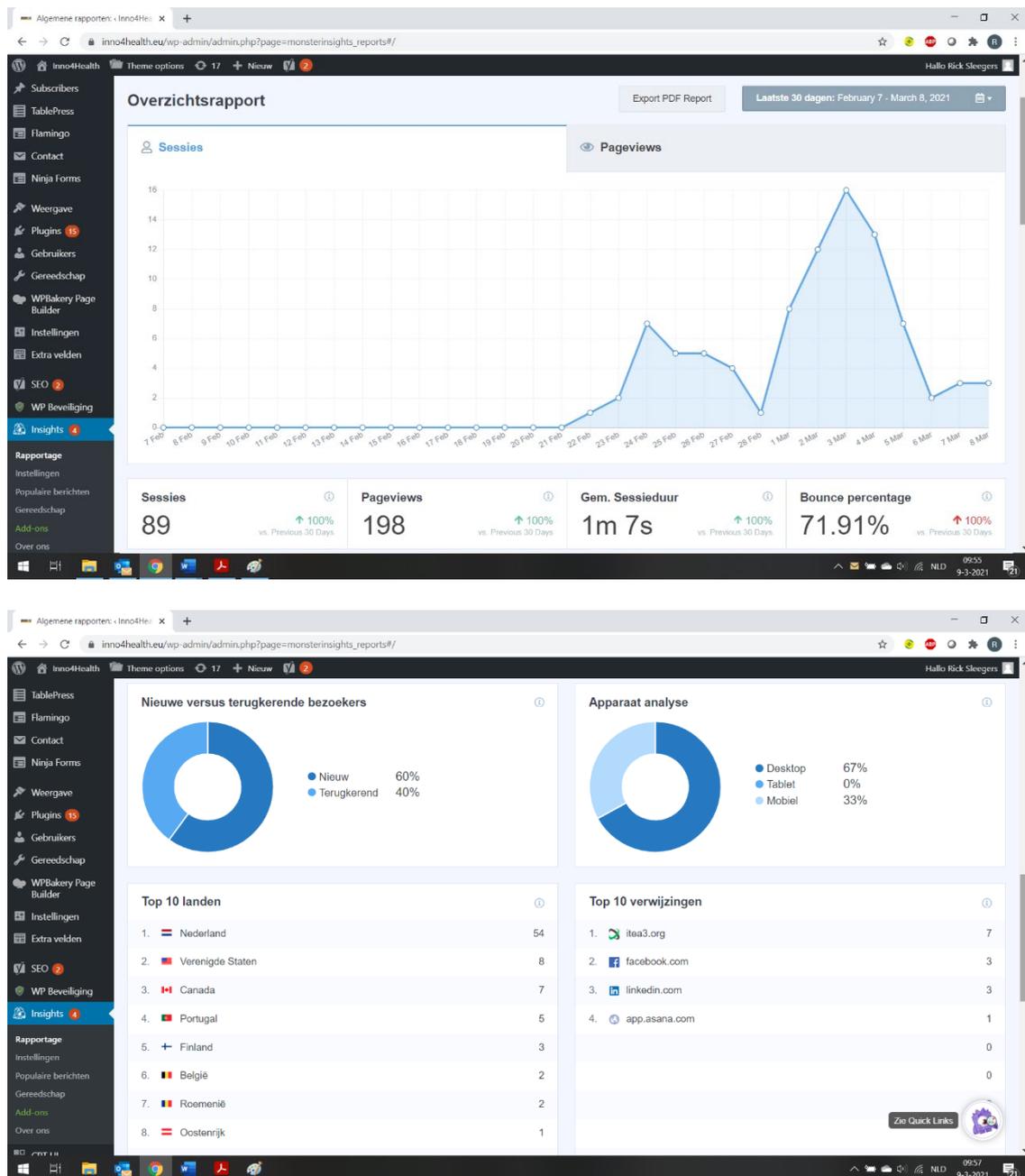


Figure 6: Website analytics

Screenshot of the website analytics, like visitors, views, country of origin, et cetera. The data is collected since the 21st of February 2021 and will be monitored monthly.

4 Conclusions

This deliverable describes the Inno4Health public website

<https://inno4health.eu/>

The website will be kept up-to-date by adding new material and papers produced throughout the duration of the project.