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Lessons Learned for Future Developments and Added Value

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Pilots for Healthy & Active Ageing

Avoid using gestures

Minimise reliance on fine motor skills to enhance accessibility.

Replace complex gestures with simple, intuitive controls such as buttons or menus.

Incorporate voice support

Enable voice commands for key functions to accommodate varied motor abilities.

Integrate clear voice feedback to confirm actions and provide guidance.

Avoid using jargon

Simplify terminology to eliminate confusion and promote accessibility.

Keep scrolling to a minimum

Optimise content layout to reduce the need for scrolling.

Present the information in short and easy sections.

Ensure accurate translation

Ensure accurate translation for seamless user usability.

Consider language differences for clear communication.

Design clean & simple

Reduce cognitive load and user focus by maintaining a simple and intuitive design.

Avoid white backgrounds and make use of different colours to increase interest.

Label interactive items

Label interactive elements with text to guide users on their functionality.

Promote dynamic content

Add interactive elements to create a dynamic and more engaging user experience.

Co-create with stakeholders

Gather inputs and feedback from different perspectives.

Foster a collaborative environment to ensure that the technology meets the needs and expectations.

Engage with end-users

Ensure engagement at a stage where user input can genuinely influence the design and functionality.

Design a robust hardware

Create a hardware that is robust and durable against shocks and drops.

Ensure a compact and unobtrusive form.

Provide sufficient training

Ensure the comprehension of the tools through support materials such as manuals, guides, videos.

Accommodate learning materials to different literacy levels.

Socialisation & monitoring features

Promote the use of socialisation features to foster the connection and engagement among older adults.

Integrate tools to collect and monitor health parameters.

Technical problems

Devices can present problems such as software bugs or connectivity problems that are unfamiliar to older adults.

Security & privacy concerns

Older adults may have lower awareness of security and privacy risks, such as protecting their personal information, avoiding scams, or avoiding clicking on suspicious links.

PROJECT **BACKGROUND**

In Europe's rapidly ageing society, there is a growing need for tools that will improve the quality of life, independence and overall health of older adults. Advanced ICT solutions that combine technologies from multiple disciplines can address this problem, but the market is fragmented and many solutions have limited scope.

The overall objective of the PHArA-ON project is to provide support for Europe's ageing population by integrating digital services, devices, and tools into open platforms that can be readily deployed while maintaining the dignity of older adults and enhancing their independence, safety, and capabilities. The project will utilise a range of digital tools including connected (IoT) devices, artificial intelligence, robotics, cloud and edge computing, smart wearables, big data, and intelligent analytics that will be integrated to provide personalised and optimised health care delivery.

PHArA-ON's integrated platforms will be validated in two stages: pre-validation and large-scale pilots (LSPs), in six different pilot sites: Murcia and Andalusia (Spain), Portugal, The Netherlands, Slovenia and Italy. A set of development tools will be created and made publicly available to simplify the customisation and integration. These tools and the results of dissemination will spread the generated knowledge to promote the development of new solutions similar to PHArA-ON.

PROJECT **OBJECTIVES**

IDENTIFY the current state of interoperability between widely used platforms and partner solutions and solutions from third parties involved.

IMPLEMENT personalised analytics that provide older adults and their caregivers with the most pertinent physical and mental health as well as wellbeing information.

DEMONSTRATE the feasibility of integrating the PHArA-ON platforms with existing systems related to intelligent transport and mobility, energy optimisation, and smart cities.

ENSURE user-friendly human-computer interaction modes that address various capacity limitations and provide rapid access to useable information.

VALIDATE the PHArA-ON platforms at an early stage providing feedback to the function and usefulness of these platforms and their integrated technologies.

INVOLVE new stakeholders and their technologies, products, or services in the different ecosystems through the launch of open calls.

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Pharaon Project
Pharaon - Pilots for Healthy and Active Ageing

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