Pharaon First Open Call – Informative Webinar

An introduction and discussion to the Pharaon Open Call

Modified webinar presentation – This is a modified version of the presentation given 4 November 2021. Updates include minor typographical corrects, and the inclusion of the Q&A section of the webinar as slides at the end of this proposal.

Please Check the Pharaon website for the most up-to-date information.

https://pharaon.eu/open-calls

4 November 2021
Pharaon First Open Call – Informative Webinar

An introduction and discussion to the Pharaon Open Call

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Gabriele Giammatteo, Engineering

4 November 2021
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PHARON 1st OPEN CALL

PART I

Welcome & Introduction
ABOUT THE WEBINAR

• Please use the Q&A feature to pose questions.
• We will monitor chat, too, but it will be much easier to track Q&A.
• We will update our FAQ based on the questions you pose today.
• *The webinar is being recorded.*

Thank you very much for attending!
ABOUT PHARAON

• Horizon 2020 project to improve the dignity, independence, and wellbeing of older adults by providing enhanced smart and active living solutions.
• Developing platforms based existing technologies with the goal to simplify integration of new and existing solutions
• Pilot testing in 5 countries
• Pilot testing in phases: pre-validation, validation, piloting
Each pilot developed *use cases* by working with older adults and their professional and informal caregivers.

Some pilots share similar use cases while having their own unique cases.

Not all use cases could be fully met within the consortium.
Extending the ecosystem: The Pharaon Open Call

The Pharaon Open Call is a way to include new technologies, perspectives, and diversity in the project.

With the First Pharaon Open Call we want to:

- Fill technological or service gaps in the pilot use cases
- Test and demonstrate integrating external solutions
- Support the ongoing development and refinement of the Pharaon Ecosystem.
The Pharaon Open Call your chance to shape the ecosystem, demonstrate your solutions, support the wellbeing of older adults, and be part of an important European project.
PHARON 1st OPEN CALL

PART II

Open call basic information & overview
Total: 1.000.000,00 EUR

Maximum eligible grant: 50.000,00 EUR

Nr. of projects: 20 third party projects
WHO CAN APPLY

In this Open Call, the same eligibility criteria with the H2020 rules of participation (Article 10) apply. Thus, every participant must be registered in an EU member state or in a Horizon 2020 associated country. Applications will not be accepted from persons or organisations who are partners in the Pharaon consortium or who are formally linked in any way to partners of the consortium.

Solution providers from a variety of entities can apply:

- SMEs and Micro SMEs
- Web entrepreneurs and individual sole-traders
- Industrial organisa

! Applicants must be previously registered in the Participant Register of the Participant Portal and have a VALIDATED 9-digit Participant Identification Code (PIC)!
Exclusion criteria

- Applicants will be excluded from participating in the call for proposals procedure and from the cascade grant award if they are in any of the exclusion situations referred to in article 136(1) of the EU Financial Regulation 38.

- Applicants must clearly declare they are not in one of the above mentioned situations by ticking all the relevant boxes in the Section 3 (Acceptance of the Pharaon Open Call Terms & Conditions) of the online Application form.
EVALUATION PROCESS
AWARD CRITERIA

Impact (3/5)

Innovation and technology (Excellence) (4/5)

Quality and efficiency of the implementation (3/5)

Minimum thresholds for the proposal to be eligible is 10. Proposals falling below the overall and/or the individual thresholds announced above shall be rejected.
FUNDING SCHEME

The total financial support awarded by the cascade funding partner InnoRenew CoE may amount to:

- up to 100% of the eligible for beneficiaries that are non-profit legal entities
- and 70% of the eligible costs for beneficiaries that are profit legal entities.

AND ELIGIBLE COSTS

- Direct costs (personnel costs, direct cost of subcontracting, other direct costs)

**NOTE:** Subcontracting is possible only in dully justified cases.
- Indirect costs (25% flat rate)

Accounting documentation is necessary only for direct costs.
**TIMELINE**

- **October**: 1.10.2021 Publication of the call
- **December**: 31.12.2021 17:00 CET DEADLINE for submitting
- **February**: End of February 2022 Information to applicants
- **March**: End of March 2022 Sub-grant

**Events**
- **4.11.2021 Webinar**
- **Evaluation period**
FREQUENTLY ASKED QUESTIONS (FAQS)
SECTION INCLUDED AT HTTPS://WWW.PHARAON.EU/OPEN-CALLS

PHARAON TECHNICAL HELPDESK EMAIL:
OPENCALL@PHARAON.EU

RECORDING OF THIS WEBINAR
(COMING SOON!)
PHARON 1st OPEN CALL

PART III

Pilot needs and technology overview
Pilot Overviews
Pilot Overviews

Slovenia
Slovenian Pilot – Dom Upokojencev Izola, Izola, Slovenia
Slovenian Pilot – Dom Upokojencev Izola, Izola, Slovenia
Dom upokojencev Izola is a retirement home located in Izola, a small coastal city.

The home has approximately 205 places for residents, and a high percentage of residents present some signs of cognitive decline.

The campus is open, yet it is difficult for many residents to participate in community events.
Onsite technologies include:

- Smartbands that record activity, heart rate, etc.
- Indoor Environmental Quality sensors (RH, Temp., CO2, PM2.5, etc.)
- TV-based communication system (SenLab)
- SeniorsPhone (SenLab)
- Front end to visualise, manage, and track health indicators
- Backend systems to manage sensor communications/data recording, access
PG1_SI: to encourage increased physical activity to improve the overall wellbeing of residents. We record heart rate, activity (steps), and monitor indoor conditions. We want to provide personalised recommendations based this information that coach residents towards increased activity.
**PG2_SI**: to reduce loneliness residents experience by simplifying and enabling participation in community events and activities. A simple event listing system that allows community organisers to list their event and for older adults to browse and RSVP to events through a simplified interface.
Other details:

**Language:** Slovenian, multilingual support appreciated (Italian, Croatian)

**Expected Impact:** 30-50 persons using the solutions
Pilot Overviews

Italy
Presentation and description of the pilot: The two Pilot Site

TUSCANY
Network of Social Cooperative

UMANA
PERSONE
IMPRESA SOCIALE RICERCA E SVILUPPO

APULIA
Research Hospital
In Italy we will deliver **home services** with the purposes of:

- **Monitor** through passive and active method to reassure older adults
- **Stimulate** cognitively and physically the older adult to foster active aging
- **Promote** social inclusion to feel part of the community

<table>
<thead>
<tr>
<th>Sites to be deployed</th>
<th>Target groups</th>
<th>#</th>
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<tr>
<td>Tuscany</td>
<td>Older adults</td>
<td>300</td>
</tr>
<tr>
<td></td>
<td>Informal caregivers</td>
<td>300</td>
</tr>
<tr>
<td></td>
<td>Formal caregivers</td>
<td>100</td>
</tr>
<tr>
<td>Apulia</td>
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The objective of the Italian pilot is to: **Propose personalized Integrated care for frail older adults**
**PG1_IT**: A software solution to provide personalised cognitive stimulation, activity and progress tracking, and coaching is needed.

The solution should utilise serious games that provide multiple levels of challenges for users, to ensure different cognitive profiles are addressed and that a progression system is in place.
**PG2_IT:** We seek a digital solution that can utilise collected data measuring and returning pooled indexes that provide personalised coaching on physical activity to improve the health and wellbeing of older adults.
Other details:
The open calls mainly aims to address the stimulation service gaps

Language: Italian

Expected impact: we aims to involve around 75 older adults in both pilots for testing all Pharaon services plus all the informal and formal caregiver connected to them.
Pilot Overviews

Portugal Large scale pilot (Coimbra and Amadora)

Cáritas Diocesana de Coimbra | Santa Casa da Misericórdia da Amadora

Natália Machado, Sofia Ortet | Adriano Fernandes, Mariana Camacho

Pilot Members:
The pilot in Portugal is divided between two locations, **Amadora** and **Coimbra**. The objectives of the Portuguese pilots are to develop and implement citizen focused solutions, integrated care and planning, integrated infrastructures and processes, and knowledge sharing.

These pilots include a central focus on the relationship between the **community**, the **environment**, and the **people living** in them.
Cáritas Diocesana de Coimbra is a social non-profit organization that supports people and communities in five districts of the Central Region of Portugal.

For older adults, Cáritas Coimbra offers:
- 12 day care centres
- 18 home care services
- 5 nursing homes
- 1 chronic disability / impairment home
- 2 long term care units
- 1 medical and rehabilitation clinic
- 1 summer camp for senior citizens

with overall about 3 000 users.

The Marine and Environmental Sciences Centre (MARE, University of Coimbra) works with Caritas in this pilot-site, linking people with nature.
Santa Casa da Misericórdia da Amadora is a social non-profit organization that supports people and communities in the region of Amadora, part of the Lisbon Metropolitan Area.

For older adults, SCMA offers:

- 2 day care centres
- 4 home care support services
- 3 nursing homes
- 1 long term care unit
- 1 medical and rehabilitation clinic

Impacting daily 6000 users. 600 of which are older adults.
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<th>PRIORITY GAPS</th>
<th>PHARAOH-ON</th>
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<td>Participate in the community Life (Coimbra)</td>
<td><strong>PG1_PT</strong>: A digital application that promotes the engagement in nature preservation within cities, and the mental and physical activity of older citizens, but not exclusively.</td>
</tr>
<tr>
<td>Ensure a safe and comfortable environment (Amadora)</td>
<td><strong>PG2_PT</strong>: A domotic system to monitor and, ideally, prevent falls as well as detect early signs of illness.</td>
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Portuguese Pilot – Priority Gaps

The use cases addressed by the Pilot sites in Portugal are:

**Participate in the community Life**

- Social networking;
- Order goods and services;
- Connecting with nature through the use and access natural areas near their homes;
- Stimulation of cognitive skills;

**Ensure a safe and comfortable environment**

**VIRTUAL ASSISTANT** to OLDER ADULTS that:

- Provide Multidimensional stimulation;
- Monitor health status and behaviors;
- Assist in ADL;
- Report relevant changes.

**Lifelong learning**

B-learning tool that allows of OLDER ADULTS and CARERS/RELATIVES to:

- Improve digital, soft and caring skills;
- Enroll in initiatives.

**Services on demand**

- City audit tours
- Together city and nature

**Ambient and Assisted Living**

**Integrated Care**

**Carer campus**

**Social incubator**

**Proximity volunteering**

**Integration – HELIOS Platform**

**Integration – PHARAON Platform**
Mobile APP with geolocation that support OLDER ADULTS in:

- Social networking;
- Order goods and services
- Connecting with nature through the use and access natural areas near their homes;
- Stimulation of cognitive skills;

Digital App of Together city and nature and City audit tours actions aims to lead the older adults (but also other citizens) to:

- Know, enjoy and have fun in the natural Green and Blue areas in the cities near their homes (natural areas surrounding rivers and streams, parks, small woods)
- Contribute with information relevant to other citizens (e.g., accessibility and security of the areas, aspects of greatest interest, degradation)
- Promote an active participation in scientific knowledge-building (biodiversity) and environment conservation of natural urban areas while stimulating their cognitive capacities
Portuguese Pilot – Priority Gaps

Requirements of the digital App of Together city and nature and City audit tours are:

- **Visualization** in maps of the location of existing Green and Blue sites in the city.
- **Uploading and storing photographs and user information** with appropriate **security and data protection measures**.
- **Notifying** the users about existing missions at the sites.
- **Allow the access to a back office and website** to manage and moderate the co-created content provided by users.

Mobile APP with geolocation that support OLDER ADULTS in:

- Social networking;
- Order goods and services
- Connecting with nature through the use and access natural areas near their homes;
- Stimulation of cognitive skills;
Digital App of Ambient and Assisted Living aims to lead the older adults (but also other citizens) to:

- A domotic system to monitor and, ideally, prevent falls as well as detect early signs of illness.
- The solution should be easy to install in an older adult’s home and allow the older adult to remain independent longer.
Portuguese Pilot – Contact and other details

Other details:

Language: Portuguese

Accessibility: The service should be adapted to the target group – persons with 65+ years

Expected Impact: +400 participations of CDC and SCMA users, in total.
Pilot Overviews

The Netherlands
The **PlusBus** is a mobility service that brings older people together and out and about.

- **110,000 trips /year**
- **28,000 participants**
- **2,500 volunteers**

>100 buses
Dutch Pilot – Context & Expectations

What we already have:

- PlusBus

What else we need:
- Connecting people beyond PlusBus-activities
- Coaching for physical activity
**PG1_NL: Virtual travel.** The first issue became apparent during the COVID pandemic. When people cannot use the bus because of COVID, other illnesses or physical decline they are excluded from the service. Participants have expressed the wish to continue to travel virtually, following the road trip in real time. They would like to **join the road trip from the comfort of their home** when needed. And, they **would like to interact (see, chat, text) with the group that is in the bus.** If there is another lockdown, they can still visit places and be with their peers. We need a partner that can offer virtual travel to the PlusBus community. This means connecting the bus in real time (during the road trip) to the people at home. Not only nursing homes, but private homes. Many individual users should be addressed. The solution should consider portability, low costs, and be easy to handle by older adults.
**PG2_NL: Sharing memories.** Another issue is that, although we can currently connect people through our technological solution and let them share memories within our program, we do not have a solution to **share memories with users outside the platform**. Many participants want to share pictures and stories of the road trip with their friends and family members, for example grandchildren. We need a way to **extract the memories older adults share in our software system and translate it into a shareable format**.
**PG3_NL: Motivating and personalized coaching system.** We have an existing solution to measure physical activity and provide older adults insight into their physical activity, but we do not have a motivating and personalized coaching system to better support healthy and happy ageing. We hope to find a partner that can **work together with our sensor provider** (Maastricht Instruments) and **turn data into meaningful coaching** through a medium that older adults (mostly women) would prefer. This could be a traditional app on a tablet, but we strongly prefer solutions that are more embedded in a home (lights, architecture, wearables) and systems that coach intuitively (without numbers and text).
Other details

Language: Dutch
Number of users: ≥50

New partners: Outside the Netherlands
Pilot Overviews

Andalusia

Andalusia:
- Jaén
- Granada
- Málaga
Andalusian Pilot – Locations

WHERE – LOCATIONS OF SERVICES FOR TARGET GROUPS

• ASSOCIATIONS OF RELATIVES OF ALZHEIMER PATIENTS (AFAS)
• TELECARE
• HOME CARE SERVICE (SAD)

• ACTIVE PARTICIPACION CENTERS
• UNIVERSITY CLASSROOMS FOR OLDER ADULTS
Andalusia has a largely rural population and the share of older adults in the population is growing steadily.

The objectives of the Andalusian pilot focus on tackling issues such as loneliness and unwanted social isolation, as well as on supporting the well-being of people as their dependency on carers increases (whether professional or not).

Consequently, the Andalusian pilot has developed four use cases related to improving digital skills, community participation, cognitive stimulation and physical and mobility stimulation, in order to generate dynamics of social inclusion and health prevention and promotion.
PG1_ES_A: A software solution that provides personalized cognitive stimulation, activity and progress monitoring, and coaching. The solution should use a wide repertoire of serious games that provide multiple levels of challenge to users and that is adapted to the needs of each individual, to ensure that different cognitive profiles are addressed and that a progression system is in place. The aim is to work on skills such as calculation, language, memory, attention or orientation, among others, and for professionals to be able to monitor the evolution of the different parameters in real time.

PG2_ES_A: An e-learning platform with digital content for older people. On this platform there should be basic information about the digital world (internet access, use of digital devices, etc.) and more specific information that allows older people to increase their digital literacy and life autonomy.
**PG3_ES_A:** Development of an **algorithm to match people** (for the social network Sentab) with similar tastes and hobbies. The aim is for each participant to be able to have "friendship recommendations" proposed by the platform to expand their interactions on the network with other people, which will help reduce the feeling of unwanted loneliness and social isolation and foster community-building dynamics to promote social cohesion.

**PG4_ES_A:** A **virtual assistant that responds to voice commands** in addition to a touch interface (for the social network Sentab). Older adults and their caregivers should be able to interact with the device through a voice recognition system that can facilitate the tasks of both profiles in interacting with the device and build a positive and friendly behaviour regarding the use of the technological device.
Other details:

Language: Spanish

Expected Impact: 250 people using the solutions
Pilot Overviews

Murcia, Spain
The Region of Murcia

-Autonomous community of Spain located in the southeast of the state, bordered by Andalusia, Castilla-La Mancha and the Valencian Community, on the Mediterranean coast.

-Population: 1.5M

-7th most populated province of Spain.
-1/3 lives in the capital and its surrounds.
-16% ≥ 65 years
Murcia Pilot – Location and Demographics

Murcia Pilot Objective: to deploy a new line of telecare that will transcend the current model of health and care service that rely on patients to request help.

Sites: Municipalities of the Region of Murcia

Target Groups:
- Older adults > 55 Suffering from Chronic Heart Failure
- Informal Caregivers: Relatives, neighbours, etc.
- Health professionals from the Public Health Service of the Region

Entities Involved

Healthcare service providers
Platform provider
Technology providers
Evaluation/Training manager
## Murcia Pilot: Challenges and Scenarios

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<th>Challenges addressed</th>
<th>Scenarios</th>
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<td>PCH2 - Health status definition and its progress over time</td>
<td>Angel of Health</td>
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<tr>
<td>PCH3 - Non-Intrusive Monitoring and Alarm Triggering</td>
<td>Care@Home</td>
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Telemedicine platform that allows the treatment and follow-up of chronic patients at home.

The system provides tools for clinicians (Homecare) and patients and their caregivers (MyHealth App). The solution allows, among others, personalisation of treatment, integration of vital sign measurements devices (gateway), alerts and notifications...

Non-Intrusive Monitoring system for soft furniture and mattresses

Amicare

uGrid - Smart devices

Smart plugs, light bulbs, energy meters, presence and temperature sensors connected to a Energy Management software.

MiW ENERGÍA

Smartband

Track of heart rate and physical activity.

Open Call Technologies

- Solutions for non-intrusive cardiac monitoring, including at least blood pressure. Easy-to-use ECG recording will be highly valued.

- Systems for tracking and detecting changes of common but also key measures, such as body weight.

- Voice-based interaction system

Murcia Pilot – Technologies Involved

Onesait Healthcare Data / Homecare – MyHealth App

Telemedicine platform that allows the treatment and follow-up of chronic patients at home.

The system provides tools for clinicians (Homecare) and patients and their caregivers (MyHealth App). The solution allows, among others, personalisation of treatment, integration of vital sign measurements devices (gateway), alerts and notifications...

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uGrid - Smart devices

Smart plugs, light bulbs, energy meters, presence and temperature sensors connected to a Energy Management software.

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Open Call Technologies

- Solutions for non-intrusive cardiac monitoring, including at least blood pressure. Easy-to-use ECG recording will be highly valued.

- Systems for tracking and detecting changes of common but also key measures, such as body weight.

- Voice-based interaction system
PG1_ES_M: Solutions for non-intrusive cardiac monitoring, including at least blood pressure; easy-to-use ECG recording will be highly valued.
**PG2_ES_M:** Systems for tracking and detecting changes of common measures, such as body weight, and recording that information to a Pharaon system where it can be used in assessing health and wellbeing.
**PG3_ES_M:** Voice-based interaction system, that doesn’t necessarily wait for users to initiate the system.
Privacy, Data Protection, and Ethics
• Pharaon has a data management plan all successful applicants must comply with.

• Each pilot site has its own ethical considerations, and new partners will need to comply.

• Privacy and ethical practices are a high priority in the Pharaon Project. Please see the Ethical Guidelines in the Guide for Applicants.
Platform Ecosystem & DevSecOps
Each technology is mapped to one or more functional boxes of the Pharaon Reference Architecture.

All pilots comply to the Pharaon reference architecture while adopting different technologies.

Open Call technologies will also be positioned in the reference architecture and integrated with the other technologies used in the pilot.
Integration and Testing Processes 1/2

• Rigorous integration, testing and release processes are in place that aims to:
  • Deliver high quality software
  • Solve as many software issues as possible before deployment in production
  • Speed up releases and upgrades of production environments

• We offer a group in GitLab.com to host source-code and a CI server to automate CI/CD pipelines and see build and validation reports

• We offer a common environment (Staging Environment) where all technologies are deployed and integration can be tested

• Testing and deployment activities will be automated when possible for each technology
Integration and Testing Processes 2/2

To fully benefit of this process, applicants should provide:

- **Support** for the automation of CI/CD pipelines
- **Testsuite** to test functionalities and integration of their technologies
- **Resolution** of software issues discovered during process execution
- **Source code** for the full execution of the pipelines

The process also supports **proprietary technologies**. In this case, some activities will be executed by the owner of the technology (e.g., building, deployment)
Technical One-Stop-Shop

- Pharaon Technical One-Stop-Shop established and is continuously being updated
  - Hosted on GitLab: collection of all relevant content (including guidelines, links, software, personnel contacts etc.)
  - only authorized people can access the information
  - Hosted on GitLab’s private PharaonGroup (https://gitlab.com/pharaongroup)
    - Includes 30 subgroups and projects on 20 July 2021

Selection of tools mapped to Pharaon DevSecOps lifecycle phases
Developer guidelines & templates

- Pharaon **Developer's Handbook**
  - In the form of a [wiki site](https://gitlab.com/pharaongroup/developers-handbook) allowing creation, browsing and searching through networked text
  - Private Pharaon subgroup on Pharaon GitLab
    - [https://gitlab.com/pharaongroup/developers-handbook](https://gitlab.com/pharaongroup/developers-handbook)
    - Continuously updated

Pharaon Developers Handbook

The Developers Handbook contains instructions, guidelines, recommended open-source tools and best practices needed by developers (both internal and external recruited through the open calls). It is a central part of one-stop shop for the developers with all relevant information and technology.

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Screenshot from [https://gitlab.com/pharaongroup/developers-handbook/-/wikis/home](https://gitlab.com/pharaongroup/developers-handbook/-/wikis/home) [3 Nov 2021]
Properties of Pharaon APIs

- Functional
- Reliable
- Accessible
- Discoverable/findable
- Compliant to standards
- Documented

ADDI (Align-Define-Design-Refine) process for Pharaon new APIs

- Define
  - choose desired API style (REST, GraphQL, gRPC...)
  - document high level design

- Design
  - • understand scope, technology
  - • identify desired outcomes

- Align
  - • map business and consumer requirements into desired outcomes

- Refine
  - • document the API
  - • collect design feedback from API consumer(s)
REST API interactive documentation

- OpenAPI Specification selected for Pharaon REST API documentation
  - Interactive REST API description already done for selected services
  - The OpenAPI Specification (currently v3.0.3), formerly (2009-2017) known as the Swagger Specification, is a specification for machine-readable interface files for describing, producing, consuming, and visualizing RESTful web services.
  - Selection of OpenAPI tools: https://openapi.tools/
Logging support

Logging

- Distributed log management across orchestrated services
- Different solutions analyzed and integrated into distributed microservice stack (Kubernetes, Swarm, ELK based)
- Horizontal and Virtual Scalability applied
- 1.560 Mio (1.5 Billion) real world log data sets into the system for simulating
- Advanced Query & Reporting possible
- Log Cleaning implemented
- Filter Implemented (sensitive data / health context)

Next:
- Pilot integration
Monitoring support

Monitoring

Done
- KPIs for deployed services
- Time Series Data
- Data sources
  1) Minimized distributed service: KPI collector („observer“)
  2) Net data statistics
  3) Prometheus Interfaces
- 2 UIs:
  - Grafana
  - Angular & nodeJS

Next
- Service Mesh Integration (Linkerd?)
Dev sandboxes
https://gitlab.com/pharaongroup/dev_sandboxes

Ready-to-code development sandboxes benefits:
• Standardization and consistency of a dev environment across platforms,
• Saves time,
• No expertise in containers is necessary,
• Easy to reuse consistent environment,
• Everyone gets the same initial setup,
• Everyone can immediately start working in a fully set up dev environment,
• Avoiding repetition,
• Increases productivity,
• Code from anywhere,
• Works on all machines,
• Having all the correct versions of libraries and frameworks,
• Not breaking your existing installation(s) and workspaces on the local machine,
• Keeping PC clean of different downloads, dependencies, installations,
• Develop on the same environment and operating system as used for deployment,
• Simplified and easier onboarding of new contributors.

Available flavors:
• python-based dev sandbox
• java-based dev sandbox

Prerequisites
• Visual Studio Code: https://code.visualstudio.com/
• Docker Engine: https://docs.docker.com/engine/
External developers onboarding process

1. **External organization is accepted (by WP6) to participate in Pharaon**
2. **External developer is confirmed by external organization**
3. **Developer is granted access to PHArA-ON DevOps environment**
4. **Developer role and access is defined**
5. **Developer authentication**
6. **Developer authorization**
7. **Developer becomes active participant**
PHARON 1st OPEN CALL: Q&A session
NOTICE: The following questions were raised during the live webinar, and answered in either as written comments or live responses to the Q&A feature in the webinar. We provide lightly edited version of the questions and responses here for reference.
Questions and answers have been edited for clarity.

**Q:** Can research centers / Universities / participate? Can Consortia?

**A:** Yes, research centers and universities can participate. Consortia are **not** allowed in this call.

*More information:* Slide 13 of this presentation, the Open Call text and the Guide for Applicants provides more detail about eligibility and exclusion criteria. Keep in mind solutions should be TRL 8 or higher.
Q: Question for the Slovenian Pilot: Can additional hardware be employed: e.g., stress sensor (skin conductivity) and EMG sensors in, e.g., leggings?

A: Yes, alternative sensors can be included in the solution offered. However, please be sure the priority gaps related to the sensors are addressed.

More information: While other sensing technologies are welcome, the priority gap in Slovenia related to sensing health parameters is focused on coaching, encouragement, and stimulation. The existing health data should be included in the solution provided, but adding more sensing is also welcome.
Q: Can you please clarify the number of participants in the Italian pilot? Were they 75 older adults in total or 75 per site, 150 in total?

A: The intervention group is 75 older adults in total.

*More information:* Additional persons will be involved, but the expected intervention group for the purpose of these priority gaps is 75 persons.
Q: Are all the devices used during the pilots part of the budgets by applicants? We ask because, for example, in the Andalusia pilot, the costs of tablets+MDM+SIM cards, etc. already exceeds the total funds per third-party project.

A: The solution from the third-party need not address every participant, and some pilots will have existing technologies on which the third-party solution can be deployed.

More information: If there are specific questions or concerns about the scope of deployment for a technology at a pilot site, please feel free to contact the Open Call team at opencall@pharaon.eu and we can arrange a meeting with a pilot representative or gather the information for you.
Q: Is there the possibility for an SME working on smart bed monitoring and personalized care for senior care facilities to join Pharaon pilots, and if yes, what would be the most effective way to get in touch and present our solution?

A: If your solution addresses one (or more) of the priority gaps defined for the one (or more) of the pilot sites, you may apply. The most effective way to get in touch is to write to the Open Call team at opencall@pharaon.eu. However, we cannot invite solutions based on a presentation. The full application process will need to be followed.

More information: If your solution is outside the scope of the current call (addressing the priority gaps defined in the Open Call text), there will be another, more open call launched in Fall 2022, for other technologies to be demonstrated at the pilot sites.
Q: What is the best contact information to use for more questions about the call?

A: The most effective way to get in touch is to write to the Open Call team at opencall@pharaon.eu.

More information: NA
Pharaon First Open Call – Part IV – Q&A

Questions and answers have been edited for clarity.

Q: Will a recording of this webinar be available?

A: Yes. The webinar will be available on the Pharaon Open Call website (https://pharaon.eu/open-calls)

More information: NA
Q: Can you please provide more detail about the Murcia Pilot?

A: Yes. This question was answered live by the Murcia Pilot Coordinator, Francisco Melero. We suggest you view the webinar recording. The response is at timestamp 1:08:42.

More information: If details about a specific pilot are needed, please write to opencall@pharaon.eu and we can help arrange meetings or gather the specific information.
Pharaon First Open Call – Part IV – Q&A

Questions and answers have been edited for clarity.

**Q:** How long are the applications? 45 pages like Horizon calls?

**A:** The application template is 10 pages of content. There is a template provided that describes the information requested. There is also a short form to fill out on the submission platform, Evalato.

*More information:* Please see the Guide for Applicants (Chapter 2) and Pharaon Proposal template available on the website for more information.