

PREPARE: Personalized rehabilitation via novel AI patient stratification strategies

[HORIZON-HLTH-2022-TOOL-12-01-two-stage](#): Computational models for new patient stratification strategies



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PREPARE: Personalized rehabilitation via novel AI patient stratification strategies

List of participants

Participant No.	Participant organization name	Country
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6-HAN	STICHTING HOGESCHOOL VAN ARNHEM EN NIJMEGEN (HAN)	NL
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8-CERTH	ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTYXIS	EL
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10-URI	UNIVERZITETNI REHABILITACIJSKI INSTITUT REPUBLIKE SLOVENIJE	SL
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13-UMIL	UNIVERSITA DEGLI STUDI DI MILANO	IT
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15-TRI	TRILATERAL RESEARCH LIMITED	IE
16-TRI	TRILATERAL RESEARCH LTD (Affiliated)	UK
17-LIU	LINKÖPINGS UNIVERSITET	SE
	Associate Partners	
18-UEMS-PRM	Union Européenne des Médecins Spécialistes-Physical & Rehabilitation Medicine	CY
19-ESPRM	European Society of Physical & Rehabilitation Medicine	NL
20-ES	EUROSPINE, the Spine Society of Europe	CH

PREPARE in a nutshell: PREPARE aims to *advance rehabilitation* care for patients with chronic non-communicable diseases by developing, validating, and implementing robust, clinically relevant, and data-driven computational *prediction and stratification tools*. We will showcase the power of our new tools for nine pathologies, constituting *prominent causes for rehabilitation in Europe and worldwide*. Current predictive models for these pathologies are generally based on small datasets, lack sufficient validation, or fail to predict outcomes, making it difficult for health care professionals and patients to select the optimal therapy strategy. We will combine real-world clinical datasets in a federated way, including key sociodemographic, living conditions, and behavioral information. Exploiting the latest advances in clinical, socio-behavioral and public health research, data science, and advanced statistical and AI learning methods, we will pave the way to more *personalized, reliable, and holistic* rehabilitation and care that takes into account external circumstances and patient factors to improve quality of care and life.

<i>Call</i>	<i>type</i>	<i>Deadline</i>	<i>Total Budget (M€)</i>	<i>Budget @ proposal (M€)</i>
HORIZON-HLTH-2022-TOOL-12-01-two-stage : Computational models for new patient stratification strategies	RIA	1-2-2022 6-9-2022	60	6 ~10 projects

Evaluation results of 1st stage communicated on May 2022:

- **154 proposals**
- **32 proposals remained for stage 2**
- **12 scored 9.5 and 20 scored 9.**
- **No proposal scored a 10.**
- **We scored 9.5**

Evaluation results of 2nd stage communicated on December, 2022:

- **9 proposals funded (5,8%)**

My proposal has been selected: time to prepare for the next phase

Congratulations! Your proposal has been selected to be evaluated by experts. You are now invited to the live session.

The live session will consist on:

- First, the evaluators exchange their views on the proposal for about 30/45min
- Then, you, as a coordinator, join in for a 5min pitch about the project.
- Finally, the interactive discussion between the coordinator and experts takes place, moderated by an NCP

ProposalCheck

Hi Petros,

We have just fixed the timing for the evaluation session of the **PREPARE** proposal.

It will take place on **Thu 28 Jul 2022 between 11:00-13:00.**

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This info, including the information on how to connect is also accessible through your dashboard.

[Go to your dashboard](#)

Kind regards,
the Cluster 1 Full Proposal Check 2022 team

If you're having trouble clicking the "Go to your dashboard" button, copy and paste the URL below into your web browser: <https://cluster1-2022.proposalcheck.eu/login>



5' pitch

- **Impact:** 2.4 billion people (1 in 3) are currently live with a health condition that would benefit during their life from rehabilitation
- **Challenge:** multiparametric/multidisciplinary - Lack of appropriate models - Data issues (OHDSI/EHDEN/federated use) – many pathologies -> prediction/stratification is difficult – AI support + big data needed
 - **17** partners + **2** Assoc, **7** countries+CH, **7** Univ. / **3** Research Institutes / **6** SMEs / **1** Large enterprise / **2** European Organizations
 - **5** Technical, **8** Medical, **3** Legal/Ethical/SSH and DEC experts + **2** European Societies with worldwide impact
 - **9** pilots/pathologies
 - develop innovative, robust, personalized, and validated data-driven computational prediction and stratification tools, using routinely collected data, combined with key socio-demographic, living conditions, and behavioural information. The outcomes will support selection of optimal individualized therapy strategy.
- **QA session:** CH partnership? – European Organizations/Associate or AB?

Βοήθεια από ΕΚΤ (κα. Βασιλάκη):

- ❖ Συμμετοχή στο ProposalCheck review
- ❖ Αναλυτικές σημειώσεις και σχόλια αξιολογητών
- ❖ Τρόπος χειρισμού (admin + fin) Ελβετίας κλπ. associated partners
- ❖ Πληροφορίες σχετικά με :
 - DiGA framework - Fast-Track Process for approval, testing, and registration of digital “medical devices”
 - Enterprise Europe Network
 - Matchmaking events

- NCP Ολλανδίας

- NCP Ελβετίας

**Ευχαριστώ για την πρόσκληση
και για την προσοχή σας**