



KEYWORDS

- ◆ **Prospective Registration**
- ◆ **Measurement Studies in Health**
- ◆ **Self-reported measures**
- ◆ **Computer application**

PROMOTER

- ▶ Escola Superior de Enfermagem do Porto (ESEP)

PARTNER

- ▶ Instituto Superior de Engenharia do Porto (ISEP)

DURATION

18 months

PRIORITY DOMAIN

Human capital and specialized resources (EREI Norte)

RESEARCH TEAM

- IR** ▶ Teresa Martins (PhD)
- ▶ Maria José Peixoto (PhD)
 - ▶ Maria Rui Sousa (PhD)
 - ▶ António Vieira de Castro (PhD)

BRIEF DESCRIPTION

This project aims to create an online prospective database of studies conducted on health to achieve methodological rigour, aiming to create health assessment measures or to develop versions that can be adapted to other contexts. The output information will provide scientific journals and researchers a detailed description of all the information on the design, methodology and outcomes. Upon completion of the recorded studies, the obtained outcomes on performance and the metric characteristics of the studied measures/indicators will be disclosed, through a free access platform.

WORKPLAN

The project is divided into **four phases**:

- ◆ The initial phase (**Task 1**) involves the **design of prospective recording** led by a group of experts.
- ◆ The second phase (**Task 2**) is related to the **development of an open access electronic tool** for prospective recording.
- ◆ In the third phase (**Task 3**) we will **validate the system** conducting user trials.
- ◆ The last phase of the project (**Task 4**), will consist on the **creation of a free access database** including a card for each studied measure, based on the concluded measure studies.

METHODS

An **action-research methodology** will be used. A focus group will be conducted in order to test the electronic tool PROMiSE architecture and record fields. The aim is to create a free access online application. Registration will be mandatory and the users will be given a password. The registration process will be in English. The user will be able to complete or change the information until the registration process is completed. The researcher is responsible for the accuracy of the registered information. Each registration will include foreseen dates for start and end of the study. Upon completion of the study, the authors must update all the information and inform if the work was accepted for publication. This will allow the researchers to assess the database records chronology. Each recorded study is given a specific registration number. This will enable citations in publications and reports and will provide a link between the design and the complete version, in line with several editors' recommendations.

ACTIVITIES



EXPECTED OUTCOMES AND IMPACT

The project aims to build an online platform for prospective registration of methodological studies information on data collection instruments and measures.

Despite this is a common model used in other type of studies, **no other platform is known to register studies aiming to create or to adapt outcomes and health measures**. The platform will provide researchers the opportunity to register their intention to perform a validation or adaptation study and they will be responsible for completing registrations upon the conclusion of the process. The proposed project link science and technology and **aims to create a solution that seeks to respond to the needs of modern scientific societies and more specifically, of scientific communities**. It is expected that this proposal has a similar impact to other existing platforms, such as PROSPERO (platform of protocol details for systematic reviews) or CONSORT (registration and report of randomized controlled trials). In fact, there is an increasing demand for scientific studies to use prospective registration enabling more transparency and methodological rigour. The knowledge generated by the proposed solution will be made available worldwide and this will be a useful and effective tool for knowledge dissemination.

The project's contribution is in line with the framework for technological development and innovation, enhancing the existing critical thinking in the specific area of its scope of action, for the **development of a technological free access solution to facilitate access and dissemination of scientific information**.

We consider this project to have technical and scientific merit, not only for its innovative nature, but also for its simple design, methodological rigour, balance, coherence, rational resources management and valuable contribution to the scientific knowledge.

ACHIEVEMENT INDICATORS

- ◆ Collaborations ▶ 10
- ◆ Research Publications ▶ 2
- ◆ Reports ▶ 1
- ◆ Advanced training ▶ 2
- ◆ Master dissertations ▶ 2
- ◆ Computational applications ▶ 1

INVESTMENT NEEDED

- ▶ € 149.920,04

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