



Interreg Europe HoCare PROJECT - PGI01388

“Delivery of Innovative solutions for Home Care by strengthening quadruple-helix cooperation in regional innovation chains”

ACTION PLAN

Partner 4

National Institute for Research and Development in Informatics (ICI)

ROMANIA



March 2018



INTRODUCTION

Interreg Europe HoCare project (PGI01388, <https://www.interregeurope.eu/hocare/>) tackles the challenge of ageing population and the related opportunity for new potential innovations in home care. It's overall objective is to boost generation of innovative Home Care solutions in regional innovation chains by strengthening of cooperation of actors in regional innovation ecosystems using Quadruple-helix approach.

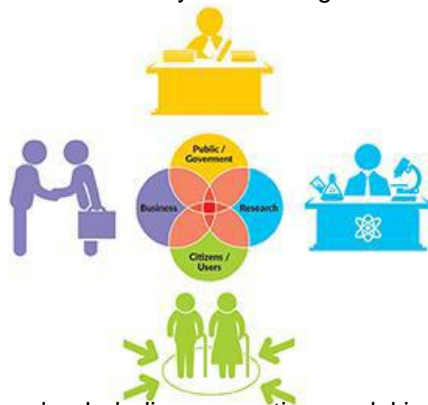










Figure 1 - Quadruple-helix cooperation model involving 4 helixes:
Business, Research, Public/Government, and Citizens/Users

Quadruple-helix is an innovation cooperation model in which users (citizens), businesses (industry), research actors (academia) and public authorities (government) cooperate in order to produce innovations. They work together to co-create the future and drive structural changes far beyond the scope of what any one organization or person could do alone. "Compared to triple-helix model, this model "encompasses also user-oriented innovation models to take full advantage of ideas' cross-fertilisation leading to experimentation and prototyping in real world setting", - European Commission, Digital Single Market, Open Innovation 2.0: <https://ec.europa.eu/digital-single-market/en/policies/open-innovation>

HoCare project has run extensive international exchange of experience process to reach various levels of improvements - both strategical level improvements (by governance improvement of relevant Operational Programmes supporting R&I – their strategic focus and management practices) as well as practical level improvements (by support of transfer of high quality projects financed through these Operational Programmes) supporting high quality projects, instruments' efficiency and partially also wider usage of available instruments in partner countries.

One Action Plan has been prepared by every partner of HoCare project. The objective of the Action Plans is to provide details on how the lessons learnt from the project's cooperation will be implemented in order to improve the Policy Instrument identified by each HoCare project partner in the Application Form. This document specifies the nature of the actions to be implemented, their time frame, the players involved, the costs and funding sources per region.

Project Partners

1	Nicosia Development Agency (ANEL)	 CY
2	Development Centre of the Heart of Slovenia	 SI
3	Business Agency Association	 BG
4	National Institute for Research and Development in Informatics	 RO
5	Lithuanian Innovation Centre	 LT
6	National Healthcare Service Center	 HU
7	IDERAM Business Development Institute of the Autonomous Region of Madeira	 PT
8	DEX Innovation Centre	 CZ

Part I – General information

Project:

Delivery of Innovative solutions for Home Care by strengthening quadruple-helix cooperation in regional innovation chains (HoCare, PGI01388)

Partner organisation:

Partner 4 National Institute for Research and Development in Informatics

Other partner organisations involved (if relevant): not relevant

Country: ROMANIA

NUTS2 region: Bucuresti Ilfov

Contact person:

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Part II – Policy context

The Action Plan aims to impact:

<input checked="" type="checkbox"/>	Investment for Growth and Jobs programme
<input type="checkbox"/>	European Territorial Cooperation programme
<input type="checkbox"/>	Other regional development policy instrument

Name of the policy instrument addressed:

Competitiveness Operational Programme (COP) 2014-2020

Part III – Details of the actions envisaged

ACTION 1 Quadruple Helix approach under COP 2014-2020

1. The background:

We learnt that quadruple helix approach is the most efficient way in developing programmes and projects with high impact on public needs already emphasised or in course of their clear evidence to be considered by policy and decision makers. Even not easily to establish it due to the dynamics of socio-economic context, by means of quadruple helix approach, all representatives of each helix are ensured that the audience of their needs penetrates the keen interest of main actors of the society: Citizens, Industry/Business, Research and Government. The HoCare consortium has selected a GP dealing perfectly with the quadruple helix approach when considering the innovation in health care. In order that COP2014-2020 but also other OPs be more attractive and efficient in terms of topics, of funds, of friendly documentations and interactions with OP implementations units, several partners from the consortium considered this GP as convincing to be put in their Action Plans. The GP is: *InTraMed-C2C Good practice of gathering and transferring innovation ideas from formal healthcare providers and their various employees to SMEs via innovation workshops, pilot projects and medical innovation database (CZ).*

COP (Competitiveness Operational Program) 2014-2020, managed in Romania by the Ministry of European Funds, currently supports projects under the innovation segment Innovative Technological Project (*Proiect tehnologic inovativ*) but no plan for any special call strictly dedicated to the topic Healthcare or Homecare. This aspect could not be considered as a minus as the current calls support this kind of topic along side of the any other topic found efficient and needed by the project proposers.

The COP 2014-2020 Management Authority is open to the topic Home Care namely due to the fact that the “old people” subject seems to attract attention of the government more as usually and it is a trend in media to influence the participation in COP 2014-2020 calls with projects targeting the home care and health care of elderly.

2. Actions:

Action A11 Identification of the way how the COP 2014-2020 and other OP 2014-2020 (addressing education) could be used jointly for new call of projects addressing the topic education for health/home care and health/home care.

Action A12 Analysing the potentiality of GP on Quadruple Helix for Romanian COP 2014-2020

Action A13 Building a viable quadruple helix for Bucharest city or other city or locality functional for COP 2014-2020.

3. Players involved:

P1. Ministry of European Funds – General Directorate for Competitiveness Programmes, Managing Authority of COP and the signing office of the Letter of support for the HoCare initiatives in Romania (Responsible for A11, A12 and co-responsible for A13).

P2. Stakeholders: Regional stakeholders from the quadruple Helix model (A12, A13) (semester based updates)

P3. National Institute for Research and Development in Informatics – partner of HoCare project, as contact point HoCare for Romanian stakeholders the co-proposer for COP improvements (Responsible for A13 in partnership with Ministry of European Funds)

4. Timeframe:

The 24 month duration of Action Plan generated by the HoCare project contains 2 Actions. Each Action is

planned on 24 month with semester outputs monitored by P3 so that in the end the result of their implementation generates the significant improvement of outputs indicators.

ACTION 1	Semester 5 (04/18-09/18)	Semester 6 (10/18-03/19)	Semester 7 (04/19-09/19)	Semester 8 (10/19-03/20)
Action A11				
Action A12				
Action A13				

5. Costs: €15.000 (estimation for staff costs)

6. Funding sources:

Staff costs – own institutional budget of organizations involved

ACTION 2

Transferring and extending good practice projects to be developed by regional stakeholders consortium for and within COP 2014-2020

1.The background

We learnt that the home care innovative solutions are results mainly from a quadruple helix cooperation in which the research helix is the most active in providing the support if the requirements and needs are well formulated and covered by the call eligibility rules.

In this respect, given the fact that SMEs participations are well considered in OPs project in general as a progress factor in the national economy and that SMEs are strongly encouraged to act and put into practice valuable solutions accepted by the market, we considered to bring to the attention 5 good practices transferable to potential consortium with the central actor the SME and 2 good practices (GPs) transferable as regard the prioritization of the health and homecare topic in projects funded under COP2014-2020.

As it is desired that SMEs are involved in projects together the Research organizations or to develop their own research capacities to carry out research targeting innovative and brevet solutions in all economic domains, the Action 2 of this Action plan, is meant to identify the existing SMEs with interest in cooperation with research organization either individually or in groups, in clusters or in association to propose and submit projects with special topic of home/healthcare topic..

As we would like that more SMEs be active in the field of Health Care and Home care, we selected a set of good practices proposed within HoCare and which are targeting the HoCare Project objectives and subobjectives and which are considered as transferable to Romanian home care environment and stakeholders:

- 1) *Multisensory gymnasium(PT)*
- 2) *PSIprof - web platform development by taking into account four helixes needs. (PT)*
- 3) *OLDES ICT platform development for very low cost and easy entertainment and health care service in the home of older people (CZ)*
- 4) *AHA Good practice of robotic assistance technology (PT)*
- 5) *Tele-Rehabilitation Good practice of user/citizen helix actors being engaged to public initiated and lead project in telemedicine (as one of the main R&I field in home care) through user-centred design to help define real patient needs (CY)*
- 6) *Bonification of projects´ evaluation targeting societal challenges including Health, Demographic changes and Well-being (PT)*
- 7) *Evaluation bonus for addressing horizontal priority “Health for all” (LT)*

Due to the COP 2014-2020 funds consumption for its current 2 axes, the transfer of good practices through

joint projects proposed by research institutes/universities and SMEs and actors from quadruple helix could be obviously considered due to the fact that the deadline of 15/03/2018 was postponed by the COP 2014-2020, now funds 217,7 mil Lei for a project of min 22,5 mil Lei, for 3 years, SMEs receive min 70% from the budget and the research organization min 10%. This calls as well as the next ones under COP 2014-2020 could be the framework under which these GPs could be a support for their new project proposals under the general topic of Home Care.

2.Actions

Action A21. Consideration of GPs in details and observation of legal aspects for the transferability as well as the cost. Searching alternatives of the topic addressed.

Action A22. Identification of representatives of Quadruple helix interested in the topics and building potential consortium for project under current calls of COP 2014-2020.

Action A23 Identification of calls suitable for SMEs and Research Units to apply for projects under the Home Care topic.

3.Players involved

P1. Ministry of European Funds General Direction Competitiveness Operational Programme from Ministry of European Funds (responsible with the Action 2 for the coordination of involved teams for identification the COP2014-2020 Call and optionally support for joint COP Calls A23)

P2. Stakeholders: CASMB (support for A22 and A21 and for MFE Document on considering the innovation clusters on Homecare) and other available HoCare stakeholders (for optional support for document consolidation) such as Ministry of Health, Ministry of Works, University Medicine, Polytechnics University, Chamber of commerce etc (for A21, A22, A23)

P3. National Institute for Research and Development in Informatics – partner of HoCare project, as contact point HoCare for Romanian stakeholders (responsible for A21)

4.Timeframe

ACTION 2	Semester 5 (04/18-09/18)	Semester 6 (10/18-03/19)	Semester 7 (04/19-09/19)	Semester 8 (10/19-03/20)
Action 21				
Action 22				
Action 23				

5.Costs (if relevant) €30.000 (estimation for staff costs).

6.Funding sources (if relevant): Staff costs – own institutional budget of organizations involved

Date: 30/03/2018

Signature: _____

Stamp of the organisation (if available): _____