



## **Interreg Europe HoCare PROJECT - PGI01388**

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

# **ACTION PLAN**

**Project Partner 8  
DEX Innovation Centre (DEXIC)  
CZECH REPUBLIC**



## 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 no. 8: DEX Innovation Centre

Other partner organisations involved (if relevant): not relevant

Country: Czech Republic

NUTS2 region: Severovýchod (CZ05)

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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: Operational Programme Enterprise and Innovations for Competitiveness

## Part III – Details of the actions envisaged

### ACTION 1

- 1. The background** (please describe the lessons learnt from the project that constitute the basis for the development of the present Action Plan)

In the Czech Republic, one of the basic challenges for improvement of OP PIK (OP EIC) lies in strengthening innovation participation and performance of domestic enterprises, increasing their abilities and capacities in innovative projects and strengthening their cooperation within their specific industry segments, including home

care segment. Currently, there are only 1-2 active home care actors who are submitting regularly their innovative projects for their funding to OP PIK. The quadruple-helix cooperation inside the home care innovation chain is limited and based mainly on a small existing network.

DEX Innovation Centre partnered with 7 other European organizations in the Interreg Europe HoCare project to boost delivery of home care innovative solutions. HoCare aims at optimising Structural Funds investment to strengthen regional innovation system in the field of health home care.

The engagement of Czech ecosystem actors through the Regional multi-stakeholder group (RMG) series of meetings organized in the Czech Republic offered the opportunity for identifying and drawing the regional analysis and situation, as well as producing several suggestions with the objective to improve the selected Policy Instrument.

Ecosystem actors asked for home care related specific intervention programmes / calls that would also provide motivation for quadruple-helix cooperation models. As the Ministry of Industry and Trade – as OP PIK Managing Authority – is willing to support home care actors and innovations in general, but cannot support specific direct programme or help for home care, indirect support means had to be searched for primarily on the side of changing management practices in evaluation of the calls.

Through the exchange of experience process of the project, all partners identified several Good Practices (GPs) from their region which were presented in the 3 International Thematic Workshops of the project and RMG meetings. 2 Good Practices have been identified throughout HoCare project on the management level of OP that became interesting for the purpose of the suggested change in OP PIK:

- i) Bonification of projects' evaluation targeting societal challenges including Health, Demographic changes and Well-being (Good Practice no. 20 – Portugal) - Good practise of management of Operational Programme that gives direct support in evaluation procedure to projects targeting health related challenges
- ii) Evaluation bonus for addressing horizontal priority "Health for all" (Good Practice no. 21 – Lithuania) - Good practise of strategic focus of Operational Programme that supports initiatives in specific industry segments that are cross-sectorial – in this example health - by giving them direct support in evaluation procedure.

Their details have been discussed with relevant GP owner partners of HoCare project – IDERAM Business Development Institute of the Autonomous Region of Madeira (PP7) and their continental Portuguese partners, and Lithuanian Innovation Centre (PP5).

Subsequently, they were also discussed with the Ministry of Industry and Trade as for their potential transfer into OP PIK. Despite the fact that any of these 2 Good Practices cannot be directly fully transferred to OP PIK for various reasons (e.g. GP no. 21 being a responsibility of other Ministry, GP no. 20 having a larger scale compared to needs of OP PIK), inspiration in the models and specific parts of these GPs on how to support Health related innovations, and thus also home care innovative projects indirectly, was taken over and adjusted in for the needs of OP PIK.

DEX Innovation Centre prepared specific variant suggestions for the Ministry of Industry and Trade (variant 1 = more specific to home care, variant 2 = more general for health) as for inclusion of additional evaluation parameters and specific texts into the evaluation procedure of OP PIK intervention programmes / calls of priority 1. It sent it to RMG members and incorporated their feedback and further inputs and finalized sent to the Ministry itself. After internal Ministry feedback and evaluations, this suggestion has been passed to the Monitoring Committee, which on November 23<sup>rd</sup>, 2017 approved the changes for the variant 2 = more general for health.

The changes in the OP PIK evaluation procedure were approved as follows:

- i) change of management practice of OP PIK in terms of adjusting binary criterias of all/selected intervention programmes and their calls in favour of innovative projects targeting health.  
  
- all/selected intervention programmes and their calls will be inserted a new binary criteria with the following text "Project has provable positive or neutral impact on human health, supports increased length of healthy life expectancy or quality of life, or contributes to decrease of financial costs of healthcare.

- ii) change of management practise of OP PIK in terms of adjusting evaluation criteria of all/selected intervention programmes and their calls in favour of innovative projects targeting health.

- all/selected intervention programmes and their calls will be inserted in their specific evaluation category a specific added texting with a text underlined such as in the following example:

Technological development (10 points) – Project includes comparisons with currently existing solutions including basic comparisons in costs, performance, impact at environment, human health or other comparisons of functionalities, or is clearly described way how these information will be gathered and proved during the project lifetime.

## 2. Action (please list and describe the actions to be implemented)

After the approval of changes by the OP PIK Monitoring Committee from 23<sup>rd</sup> of November 2017, DEX Innovation Centre has contacted and discussed with the Ministry of Industry and Trade the affected intervention programmes and calls being influenced by the change.

Currently up to now, there were 2 intervention programmes and their calls opened with such changes on the evaluation side:

- i) Innovation – Patent (call VI) – opened 19.12.2017 and closing on 31.12.2018
- ii) Proof of concept (call I) – opened 20.12.2017 and closing 4.5.2018

The Ministry said the change should affect at least the following intervention programmes: Innovation, Potential, Cooperation, Proof of concept and Application for both the binary criterias and evaluation criterias change. Based on this, the following actions are planned:

- i) **Implementation of both approved changes inside of the coming calls being opened inside of Priority 1 by the Ministry of Industry and Trade, at least for intervention programmes stated above (Innovation, Potential, Cooperation, Proof of concept and Application), but also other potential ones**

## 3. Players involved (please indicate the organisations in the region who are involved in the development and implementation of the action and explain their role)

DEX Innovation Centre – partner of HoCare project, facilitator with the Ministry of Industry and Trade and regional actors inside RMG, creator of the first draft of texting, collecting feedback from RMG members and sending to the Ministry for approval. DEX Innovation Centre will check planned calls to be opened in the priority 1 and will be in contact with the Ministry in regards to the implementation of the changes inside of the opened calls.

Ministry of Industry and Trade – Managing authority of OP PIK, feedbacking on the second draft and sending to Monitoring Committee for approval. The Ministry will implement approved changes at least inside of the above mentioned intervention programmes and their opened calls.

## 4. Timeframe

April 2018 – DEX Innovation Centre will carry out check of affected intervention programmes and their opened calls from the time of approval (23<sup>rd</sup> November 2017) until the date of check.

April 2018 – DEX Innovation Centre will review planned calls to be opened in 2018

May 2018 – December 2018 – DEX Innovation Centre will be in regular contact with the Ministry in regards to implementation of the changes in these calls

December 2018 – the Ministry will publish a plan for the calls to be opened in 2019

January 2019 - DEX Innovation Centre will review planned calls to be opened in 2019

January 2019 - DEX Innovation Centre will carry out check of affected intervention programmes and their opened calls in 2018

January 2019 – December 2019 - DEX Innovation Centre will be in regular contact with the Ministry in regards to implementation of the changes in these calls

December 2019 - the Ministry will publish a plan for the calls to be opened in 2020

February 2020 - DEX Innovation Centre will carry out check of affected intervention programmes and their opened calls in 2019 and 01/2020

#### **5. Costs (if relevant)**

No relevant costs needed for this action aside of regular personnel costs as no additional intervention programmes / calls will be opened.

#### **6. Funding sources (if relevant):**

No funding sources outside of regular personnel costs are needed for this action.

### **ACTION 2**

#### **1. The background** (please describe the lessons learnt from the project that constitute the basis for the development of the present Action Plan)

As described in the background information for ACTION 1, cooperation of home care ecosystem actors in general is limited in the Czech Republic to currently small amount of actors. There are only few home care related projects being financed from OP PIK each year, counting only 1-2 active and successful actors. Inclusion of some additional types of actors from quadruple-helix, especially informal healthcare providers and their associations but also various types of public actors such as municipalities, regions or national organizations is difficult for operational, knowledge and financial reasons. Pilot projects are missing opening up further continuous R&I initiatives that would also include other stakeholders into the currently small network.

Through the exchange of experience process of the project, all partners identified several Good Practices (GPs) from their region which were presented in the 3 International Thematic Workshops of the project and RMG meetings. 1 Good Practise have been identified throughout HoCare project especially relevant fot this challenge:

- i) European Network for Fall prevention, Intervention & Security (Good Practise no. 29 – Romania) - Good practice of international quadruple helix cooperation for creation of knowledge platform, sharing of knowledge and developed ICT innovations and market opportunities in the given field (fall prevention) across countries

Although this GP was internationally targetted, focused on different field of health than home care and had higher ambitions, it provided great inspiration for the general set up of cooperation and knowledge platform among the ecosystem actors. This project became a great example of cooperative project for advancing quadruple-helix cooperation inside ecosystem through creation of common network and pilot projects, especially its creation of a sustainable stakeholder platform for promoting the take-up of innovative and ICT based solutions for fall prevention and strengthening partnerships across the active and healthy ageing value chain (from innovators, industry players, users, public authorities). It provided a first idea for the common cooperative platform of stakeholders to get more attention to the targeted segment - for CZ purposes home care – and to get more and other types of stakeholders into the active ecosystem.

The idea of cooperative network and platform was not only favoured directly by the Ministry of Industry and Trade, but also by the RMG members themselves on their RMG meeting organized on December 4th, 2017 in Prague. Stakeholders including the Ministry representative agreed that the best way how to progress the level of cooperation and inclusion of new actors would be the creation of a common technology platform in home care R&I through OP PIK standard call inside Cooperation intervention programme, including as a component a Pilot project of a living lab in selected geographical location with inclusion of public actors and actors of user helix (formal and informal providers of healthcare).

Based on the discussions, DEX Innovation Centre additionally asked partners of the HoCare project whether they know about any further project from their countries involving set up of living lab in their countries and 2 examples have been feeded back from the partnership.<sup>iii</sup> Also DEX Innovation Centre has planned the next RMG meeting for April 18th, 2018 targetted for discussing this previously opened action with the interested RMG memebers. For multiplication effect, the meeting is planned to be followed by the National Policy Learning event where other possible members could be potentially informed and recruited.

## **2. Action** (please list and describe the actions to be implemented)

Having said above, the following specific Action will be sought to continue the developments until now:

### **I) cooperation platform project being facilitated and set up by several stakeholders of the HoCare project in the Czech Republic and submitted to OP PIK to its Cooperation intervention programme including a common pilot cooperation project (if possible living lab)**

The technology platform project will be sought to be facilitated, set up and submitted to OP PIK by a consortium of engaged HoCare stakeholders in the Czech Republic to enable common cooperation platform, inclusion of new actors of the R&I ecosystem in home care including end-users and informal healthcare providers and their associations. This action is also favoured by the Ministry of Industry and Trade itself as they recommended on the RMG meeting on December 4th, 2017. The submitted cooperation project will also include pilot cooperative project – if possible living lab - in home care.

For facilitating, preparing, and submitting such project, interested network needs to be established first, pilot project and activities of the technology platform defined, feasibility study carried out and the whole project needs to be submitted to Cooperation intervention programme - Technology platform during the next opened call.

### **II) Players involved** (please indicate the organisations in the region who are involved in the development and implementation of the action and explain their role)

DEX Innovation Centre – partner of HoCare project, facilitator with the Ministry of Industry and Trade and regional actors inside RMG, gatherer of living lab additional information practices from partners, organized of RMG meetings. DEX Innovation Centre will facilitate the next detailed discussions and support RMG members for the Action. It will also check with the Ministry the planned open call timing for this intervention programme.

Ministry of Industry and Trade – Managing authority of OP PIK, recommending and agreeing for the idea of the Action. The Ministry will support RMG members in available information if needed and also DEX Innovation Centre in the information on the opened call.

Interested RMG members – to be defined later on based on their specific final interest – they will form the technology platform partnership, they will seek to prepare the project and submit it to the OP PIK call

### **III) Timeframe**

April 2018 – next RMG meeting (to discuss details of the sought Action) + National Policy Learning event (aside of other aims to potentially inform possible further members)

April 2018 – check of timing for the possible opened call in Technology platform in 2018 – Cooperation intervention programme

May – September 2018 – continuation of discussions with interested RMG and additional stakeholders and finalization of the concept of technology platform, pilot project, regular activities and members

October 2018 – December 2018 – setting up of new technology platform + feasibility study

December 2018 – check of planned opened call in 2019

January 2019-further – preparation and submission of proposal to OP PIK when call is opened

IV) **Costs** (if relevant)

ESTIMATED UP TO 150 000 EUR

V) **Funding sources** (if relevant):

Public funds from OP PIK if successfully approved throughout standard application procedure (up to 75%)  
Own funds of establishing members (min 25%)

**Date:** 31.3.2018

**Signature:** \_\_\_\_\_

**Stamp of the organisation (if available):** \_\_\_\_\_

<sup>i</sup> A Slovenian NGO - Simbioza - opened in early 2018 first Living Lab on »elderly and digitalization/technology« called Simbioza BTC City Lab. <http://www.btc.si/sporocila-za-medije/2017/11/simbioza-btc-city-lab-vrata-v-informacijsko-druzbo-za-starejse/>

<sup>ii</sup> Trebag from Hungary established Wellbeing living lab already in 2010 [http://trebag.hu/living\\_lab](http://trebag.hu/living_lab)