



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

5th Local Regional Stakeholders Group Meeting: "Impact of the COVID-19 Pandemic Crisis on Home Care Development Policy and Solutions"

Bucharest, Romania - Wednesday, 23rd March 2022

AGENDA

- 13:00 Opening
- 13:05 1. Interreg Europe HoCare project– presentation and additional activities required by the pandemic context
- 13:20 2. Brief overview of current health and home care policies
- 13:35 3. Innovative home care solutions in the pandemic context
- 15:30 4. Exchange of experience on the impact of the pandemic crisis on the citizen / user of home care solutions
- 17:00 5. Roundtable
- 18:00 6. Conclusions



PARTICIPANTS

No.	Full Name	Organization	Position
1	Alexandra Dobre	Bucharest Center for Seniors	CEO
2	Maria Cerasela Măciucă	"Nicolae Cajal" Association for the Elderly	President
3	Alina Pătrăhău	"Dăruiește Aripi" Association	President, Founder and fundraiser
4	Liliana Negruț	Alba County Council	Executive Manager
5	Mirela Timonea	Alba County Council	Senior Advisor
5	Dan Stoica	Health Insurance House of Bacău County – CAS Bacău	General Manager
6	Diana Racz	Public Health Directorate of Bihor County – DSP Bihor	Physician
7	Ramona Simionescu	Executive Unit for Financing Higher Education, Research, Development and Innovation	Technical project manager European and International Cooperation Project Financing Department
8	Mircea Carlan	Managing Authority for the Competitiveness Operational Program	Deputy General Manager
9	Corneliu Zaharia	Ștefan Nicolau Institute of Virology of the Romanian Academy	Scientific secretary
10	Gabriel Prada	"Ana Aslan" National Institute of Gerontology and Geriatrics	Head of Department, Physician
11	Găiculescu Ioana	"Ana Aslan" National Institute of Gerontology and Geriatrics	Psychologist
12	Claudia Bălan	"Ana Aslan" National Institute of Gerontology and Geriatrics	Psychologist
13	Alexandra Rusu	"Ana Aslan" National Institute of Gerontology and Geriatrics	Psychologist
14	Rozeta Draghici	"Ana Aslan" National Institute of Gerontology and Geriatrics	Senior Researcher, Psychologist
15	Polixenia Stan	"Ana Aslan" National Institute of Gerontology and Geriatrics	Psychologist
16	Elena Ovreiu	Politehnica University of Bucharest	Lecturer
17	Laura Coman	Central Military Emergency University Hospital Dr. Carol Davila & "Carol Davila" University of Medicine and Pharmacy	Physician



18	Raluca Coman	Onești Municipal Hospital „Sfântul Ierarh Dr. Luca”	Physician
19	Paula Bădinu	”Măgurele Science Park” Association	Management consultant
20	Luiza Popescu	”Măgurele Science Park” Association	PR & Communication Expert
21	Mădălin Ioniță	”Măgurele Science Park” Association	Executive Manager
22	Monica Florea	Software Imagination & Vision SRL (SIMAVI)	Head of Unit European Projects
23	Ana-Maria Melinte	ExigoHealth	Co-Founder & Entrepreneur
24	Irina Sargu	ExigoHealth	Co-Founder
25	Ion Mocanu	CardioMedive	CEO & Co-founder of CardioMedive
26	Emanuela Modoran	CardioMedive	Chief Operating Officer (COO) & Co-Founder
27	George Georgescu	Connected Medical Devices SRL	CEO
28	Camil Moldoveanu	re.flex	CEO & Co-founder
29	George Suciu	BEIA CONSULT INTERNATIONAL SRL	R&D & Innovation Manager and Co-owner of BEIA Consult International
30	Theodor Bratu	BEIA CONSULT INTERNATIONAL SRL	IT Researcher
31	Pavel Mureșan	BEIA CONSULT INTERNATIONAL SRL	IT Specialist
32	Șerban Călescu	BEIA CONSULT INTERNATIONAL SRL	Research Assistant
33	Marius Geantă	Center for Medical Innovation, InoMed - non-governmental organization	President
34	Marilena Ianculescu	National Institute for R&D in Informatics- ICI Bucharest	HoCare Contact Person for Romania IT Senior Researcher
35	Adriana Alexandru	National Institute for R&D in Informatics- ICI Bucharest	HoCare Technical Responsible ITC Counselor & IT Senior Researcher
36	Eleonora Tudora	National Institute for R&D in Informatics- ICI Bucharest	HoCare Team Member IT Senior Researcher
37	Elena-Anca Paraschiv	National Institute for R&D in Informatics- ICI Bucharest	HoCare Team Member IT Junior Researcher
38	Gabriel Neagu	National Institute for R&D in	ITC Counselor,



		Informatics- ICI Bucharest	IT Senior Researcher
39	Valerian Vreme	National Institute for R&D in Informatics- ICI Bucharest	Head of Department ITC Counselor
40	Lidia Băjenaru	National Institute for R&D in Informatics- ICI Bucharest	IT Senior Researcher
41	Ciprian Mihai Dobre	National Institute for R&D in Informatics- ICI Bucharest	IT Senior Researcher
42	Sorin Soviany	National Institute for R&D in Informatics- ICI Bucharest	IT Senior Researcher
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44	Dragoș Nicolau	National Institute for R&D in Informatics- ICI Bucharest	IT Senior Researcher
45	Ovidiu Bica	National Institute for R&D in Informatics- ICI Bucharest	IT Senior Researcher
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48	Mihail-Cristian Petrache	National Institute for R&D in Informatics- ICI Bucharest	IT Junior Researcher
49	Minodora Tudorache	National Institute for R&D in Informatics- ICI Bucharest	IT Junior Researcher
50	Simona Nicoleta Voicu	National Institute for R&D in Informatics- ICI Bucharest	IT Communication Support
51	Adela Aparaschivei	National Institute for R&D in Informatics- ICI Bucharest	IT Communication Support
52	Gabriela Cișmaș	National Institute for R&D in Informatics- ICI Bucharest	IT Specialist
53	Monica Pârvan	-	Elderly Care Recipient

HoCare 5th Local Regional Stakeholders Group Meeting in Romania was organized in the last part of semester 1 of the extension of HoCare project in the framework of Interreg Europe's 5th Call for proposals.

The main objective of this meeting was to collect information from Romania about a) the status of Home Care R&I and b) the status of quadruple-helix cooperation in R&I, especially in the context of COVID-19 pandemic.

The event took place on 23rd March and it was organized online in order to allow a broader participation of representative stakeholders from the main regions of Romania, taking into consideration the restrictions imposed by the pandemic in terms of public meetings.



The invited participants were selected in order to ensure the presence of the four categories from the quadruple-helix cooperation in R&I in the Homa Care domain: Citizens / users, Business, Research and Public institutions / government.

The 5th Local Regional Stakeholders Group Meeting was structured into 5 main sections, presented as follows:

Section 1. Interreg Europe HoCare project– presentation and additional activities required by the pandemic context

This section aimed to provide a brief presentation of the Interreg Europe Programme, of HoCare project development and results between 2016-2020, the specific achievements obtained then by the Romanian partner – ICI Bucharest -, the main objectives and proposed results encompassed in the extension of HoCare project (Oct. 2021- Sept 2022) and the specific tasks to be performed by the Romanian partner. The presenter, *PHD Student Eng. Marilena Ianculescu, HoCare Contact Person from Romania -ICI Bucharest*, also emphasized the main objectives of the current meeting.

Section 2. Brief overview of current health and home care policies

As the extension of HoCare project aims to map the response of regional/national policies to the impact of COVID-19 crisis in the subject of Home Care, the presenter from this section, *Prof. PhD Eng. Mat. Adriana Alexandru, Counselor at ICI Bucharest*, highlighted in her exposure the current opportunities offered by R&D programs at national or international level, the Health Care and Home Care related information from Horizon Europe Health 2021 – 2027, EU4HEALTH Work Programme 2022, programmes financed through ERDF, Smart Growth, Digitization and Financial Instruments Operational Program 2021-2027, the updated information from the Romanian Competitiveness Operational Programme (2014-2023), the Health Operational Programme (2021-2027), the Romanian National Strategies Related to the Health Field (2021-2027) and the Emergency Ordinance from 2020 that regulates the possibility of providing remote medical services, through telemedicine, by all health professionals.

Section 3. Innovative home care solutions in the pandemic context

The purpose of section 3 was to present eight digital health care innovative solutions that propose viable alternatives for Home Care and to highlight how the pandemic crisis impacted their development and functionalities. The eight digital solution and their presenters were:

- **Exigo** – *Entrepreneur Ana-Maria Melinte, Co-Founder at ExigoHealth, Member of "Măgurele Science Park" Association*
- **vINCI** – *Prof. PHD Eng. Ciprian Dobre, Project Coordinator; Dr. Eng. Lidia Băjenaru, Project Partner Manager, ICI Bucharest*
- **vCare** – *PHD Monica FLOREA, Head of Unit European Projects, SIMAVI*
- **TeMeSeD** - *Cristina Radu, Executive Manager TeMeSed*
- **re.flex** – *Eng. Camil Moldoveanu, CEO & Co-founder at Re.flex*
- **Cardiomedive** - *Ionut Mocanu, CEO & Co-founder of CardioMedive, Member of "Măgurele Science Park" Association*
- **STAMINA**- *PHD Eng. Ec. George Suci, President R&D & Innovation Manager and Co-owner of BEIA Consult International*



- **RO-SmartAgeing** – PHD Student Eng. Elena Paraschiv, Technical Responsible, ICI Bucharest

Section 4. Exchange of experience on the impact of the pandemic crisis on the citizen / user of home care solutions

Three stakeholders (see below) from 3 associations that provide, among other related activities, Home Care services for seniors, respectively children with cancer, presented in this section how they experienced the COVID-19 crisis and how they were forced to quickly adapt their services to all the restrictions, lockdowns, medical limitations, age-related disparities, cognitive disorders, lack of health and digital literacy.

- PHD Eng. Maria Cerasela Măciucă, President of "Asociația pentru Persoanele Vârstnice Nicolae Cajal"
- Jurist Alexandra Dobre, General Manager "Centrul pentru seniori al Municipiului București"
- Alina Pătrăhău, President & Founder of "Dăruiește Aripi" Association

Section 5. Roundtable:

The discussion that followed the first four sections pointed out the impact of the pandemic crisis on RDI in Home Care and the stakeholders involved in the field; what possible priorities for improving the approach to Home Care domain might be identified; what are the most stringent requirements for recovery from the pandemic crisis. Several proposed measures to improve Home Care solutions and post-pandemic regional policies were stated.

The measures taken in Romania in the context of the COVID-19 pandemic were targeted in the first phase to restrict as much as possible the spreading the virus, followed closely by those intended to offset the collateral effects felt at the healthcare, social, individual and economic levels. Taking into consideration the restricted access to healthcare services in hospitals and medical institutions imposed by the pandemic crisis, providing legal and medical facilities for Home Care (including telemedicine) in order to protect vulnerable people categories, to prevent the broader spreading of the virus at the community level, and even to mitigate the decline of personal income due to the lockdowns and closed business, was an effective way to quickly adapt the health care domain to the new conditions.

The pandemic has also accelerated the broader adoption of digital technologies required for providing improved patient-centric healthcare services. It was stated (according to the „*The future unmasked. Predicting the future of healthcare and life sciences in 2025*” Deloitte study) that, if before the pandemic, an annual advance of 15% was estimated in this area by 2025, now an increase of 20% per year is expected and virtual diagnostics would increase by more than 15% annually by 2030.

Section 6. Conclusions

At the end of the meeting, the drawn conclusions emphasized the fact that the impact of the pandemic will leave permanent marks on the current and future means of providing Home Care services and that new measures and improved legal framework are compulsory to be taken.

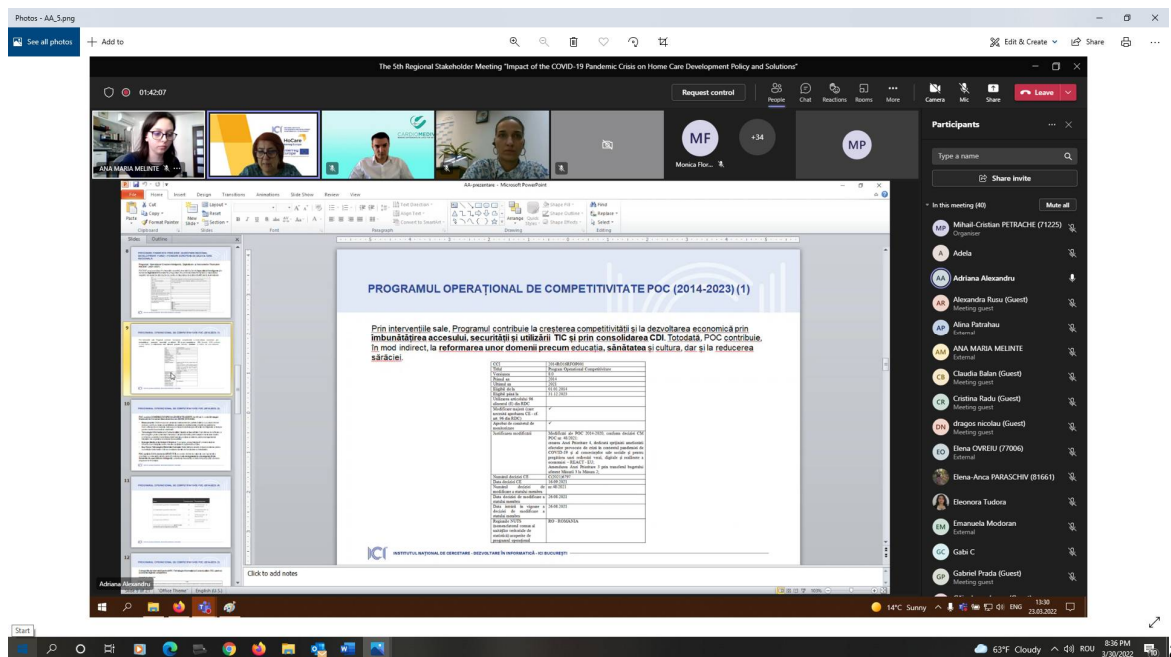


Photos from the 5th Local Regional Stakeholders Group Meeting in Romania

Section 1. Interreg Europe HoCare project– presentation and additional activities required by the pandemic context



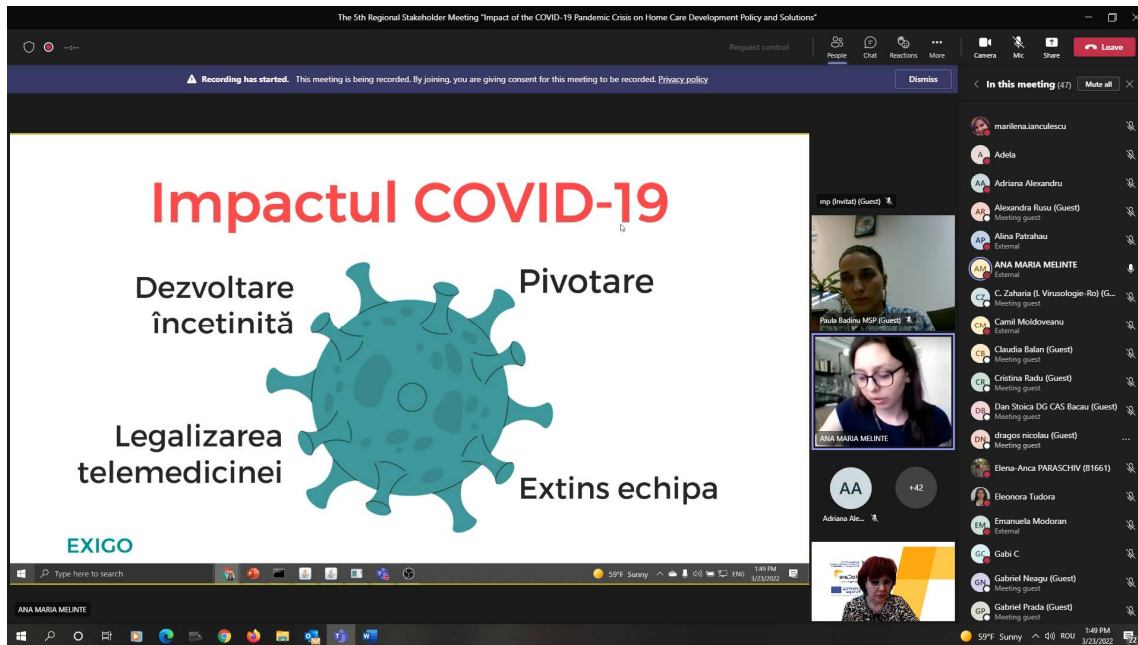
Section 2. Brief overview of current health and home care policies



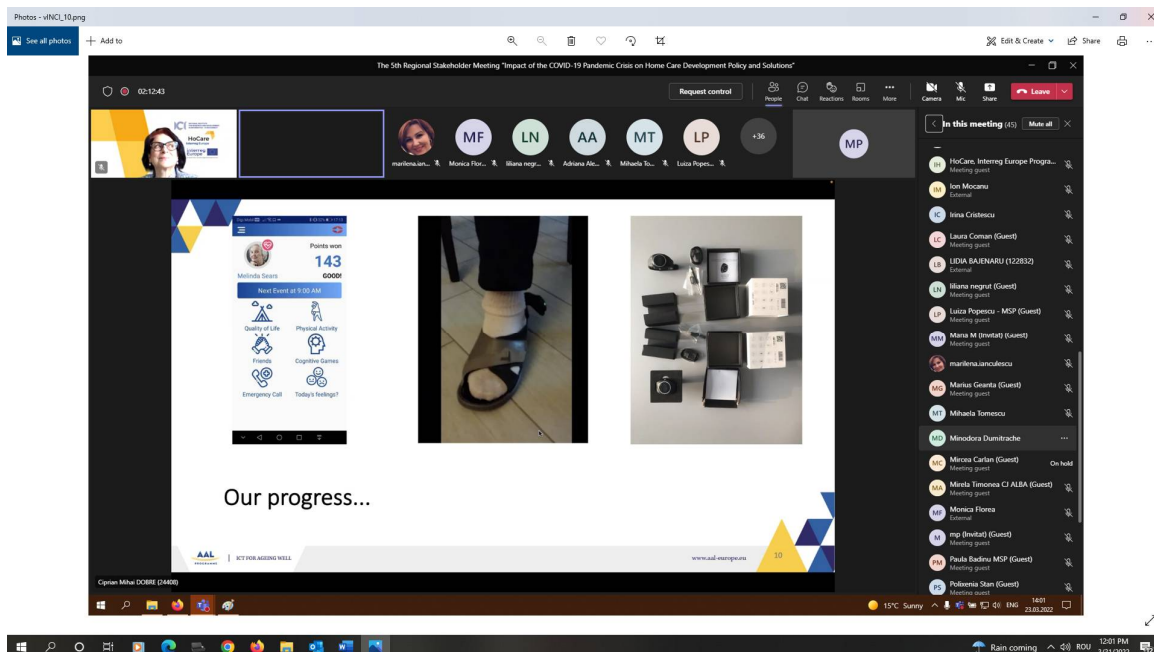


Section 3. Innovative home care solutions in the pandemic context

Section 3. Exigo



Section 3. VINCI





Section 3. vCare

The 5th Regional Stakeholder Meeting "Impact of the COVID-19 Pandemic Crisis on Home Care Development Policy and Solutions"

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SIMAVI vCARE
Software Imagination & Vision

The vCare project aims to provide a smart solution grounded on an intelligent ICT environment, which is highly adapted to personalised coaching activities in accordance with the clinical pathway of the patients and the context information. Starting from a clinical baseline, the Virtual Coach will be able to personalize and adapt goals according to the progress achieved in the impairments or disabilities recovery.

- 1 Preparation**
 - Set up of Clinical Pathways
 - Specification of ICT environment
- 2 Clinical Application at Rehab Centre**
 - Study in Tech Lab and Living Lab
 - Personalized rehabilitation program
 - Setting Virtual Coach (participatory design)
- 3 Discharge from Rehab Centre**
 - Discharge Management
 - Initiating Coaching Programs
 - Virtual Coaching Activities in Informatic Environment
 - Home Support
- 4 Pilot Test**
 - Application in Home Care Setting
 - Multi-Stakeholder Integration
 - Personalized Adaptation
 - Monitoring Compliance, efficacy (effectiveness, feasibility) & coaching (adherence) and treatment (adherence, difficulty, anxiety)
- 5 Evaluation**
 - Personalized Adaptation
 - Outcome Assessment

Participants in the meeting: marlena.ianculescu, Adela, Adriana Alexandru, Alina Patrahu, C. Zaharia (I. Virusologie-Ro) (G...), Camil Moldoveanu (External), Ciprian Mihai DOBRE (24406) (External), Claudia Balan (Guest) Meeting guest, Cristina Radu (Guest) Meeting guest, Dan Stocsa DG CAS Bacau (Guest) Meeting guest, Diana Racz (Guest) Meeting guest, dragoș nicolaș (Guest) Meeting guest, Elena-Anca PARASCHIV (81661) Meeting guest, Eleonora Tudora Meeting guest, Emanuela Modoran (External) Meeting guest, Gabi C. Meeting guest, Gabriel Neagu (Guest) Meeting guest, Gabriel Prada (Guest) Meeting guest.

Section 3. TEMESED

The 5th Regional Stakeholder Meeting "Impact of the COVID-19 Pandemic Crisis on Home Care Development Policy and Solutions"

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TEMESED
Tehnici Medicale Serviciilor și Dispozitive

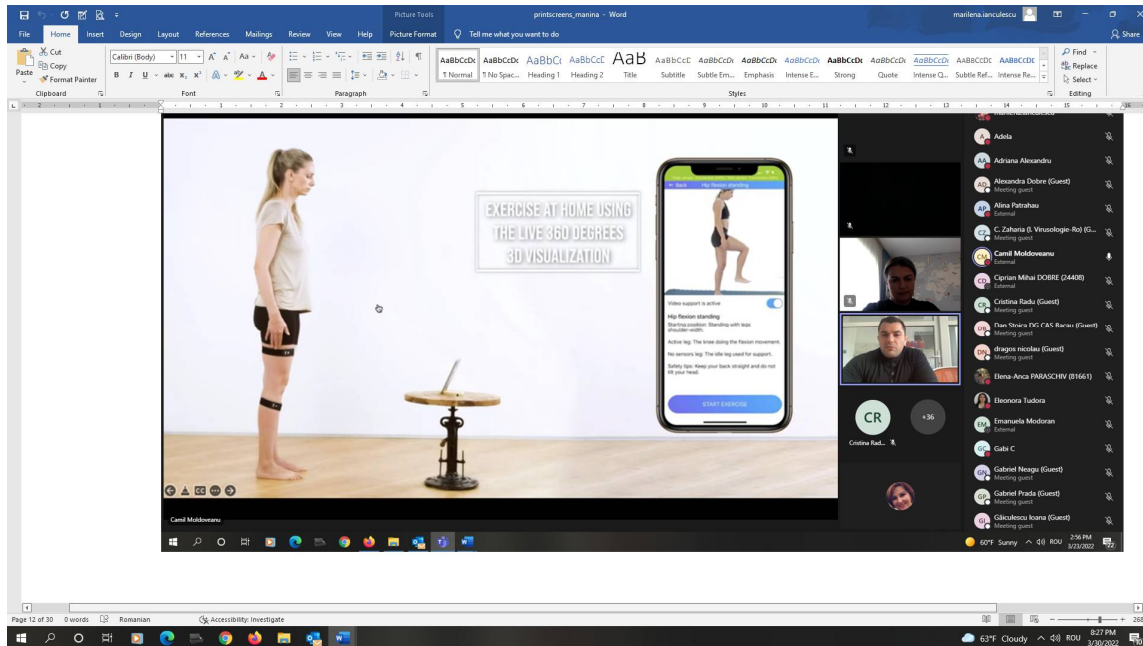
Pașii în realizarea unei consultații online

- 1 Integritate în platformă**
- 2 Stabilirea orelor/agendei de lucru**
- 3 Aprobarea solicitării de consultație**
- 4 Participarea la consultație**
- 5 Pacientul primește răspunsul**

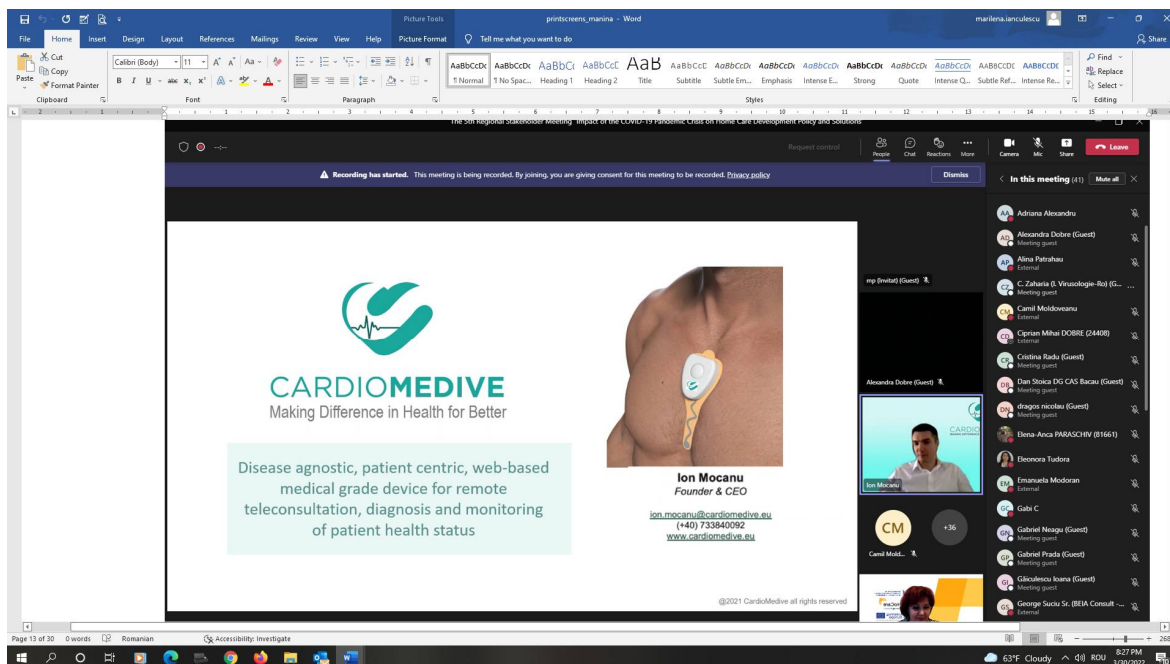
Participants in the meeting: George Suciu Sr. (BEIA Consult...), HoCare, Interreg Europe Progr..., Ion Mocanu (External), Iiina Cristescu, Laura Coman (Guest) Meeting guest, LIDIA BAJENARU (122832) (External), Biliana negrut (Guest) Meeting guest, Maria M (Invitat) (Guest) Meeting guest, Marius Gheanta (Guest) Meeting guest, Mihaela Tomescu, Mihail-Cristian PETRACHE (71225) Organizer, Minodora Dumitrache, Mircea Carfan (Guest) Meeting guest, Mihaela Timonea CI ALBA (Guest) Meeting guest, Monica Florea (External) Meeting guest, mp (Invitat) (Guest) Meeting guest, Paula Badina MSP (Guest) Meeting guest, Polixenia Stan (Guest) Meeting guest.



Section 3. re.flex



Section 3. Cardiomedive





Section 3. STAMINA

The 5th Regional Stakeholder Meeting "Impact of the COVID-19 Pandemic Crisis on Home Care Development Policy and Solutions"

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STAMINA

Demonstration of intelligent decision support for pandemic crisis prediction and management within and across European borders

STAMINA Overview

HoCare, 23 March 2022
George Suci (george@beia.eu)

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 883441

George Suci Sr. (BEIA Consult - Austria / Romania)

Section 3. Ro-SmartAgeing

Photos - RO-SmartAgeing_5.png

The 5th Regional Stakeholder Meeting "Impact of the COVID-19 Pandemic Crisis on Home Care Development Policy and Solutions"

Request control

Participants

Componentele sistemului RO-SmartAgeing: Monitorizare, Medicală, Servicii Suport

Componenta de Monitorizare: Mediul Inteligent

Figura 2. Dispozitivul de monitorizare a stărilor (VitalSigns, Blackbox Medical) și a parametrilor medicali ambiențiali (Blackbox Ambiental)

Figura 3. Canalele de educație: a) Obbec Perse; b) Obbec Aita

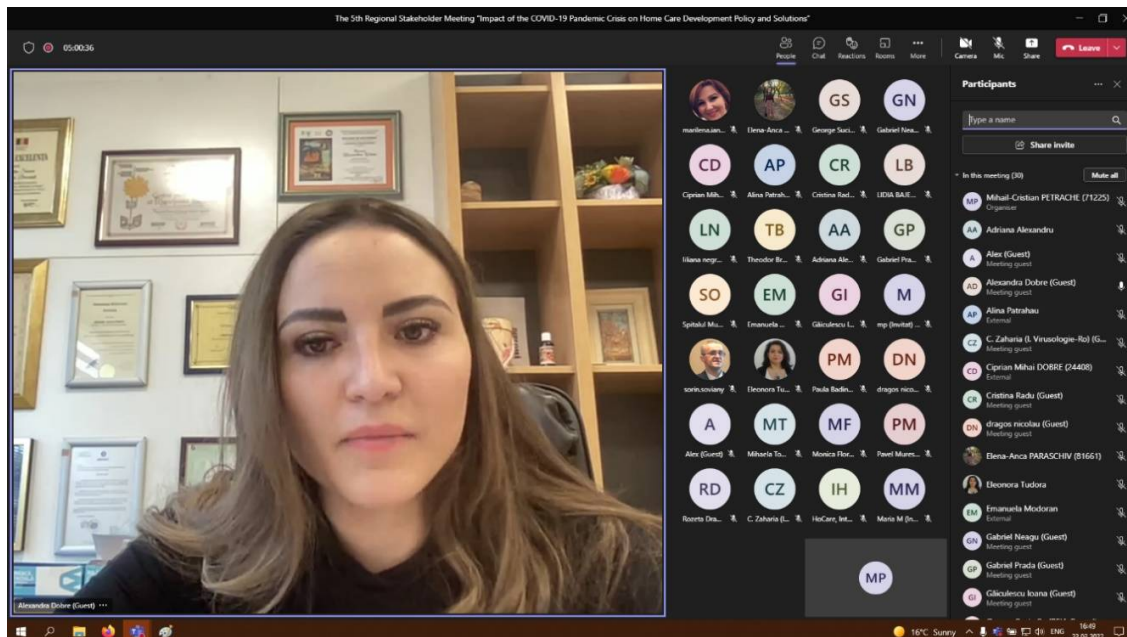
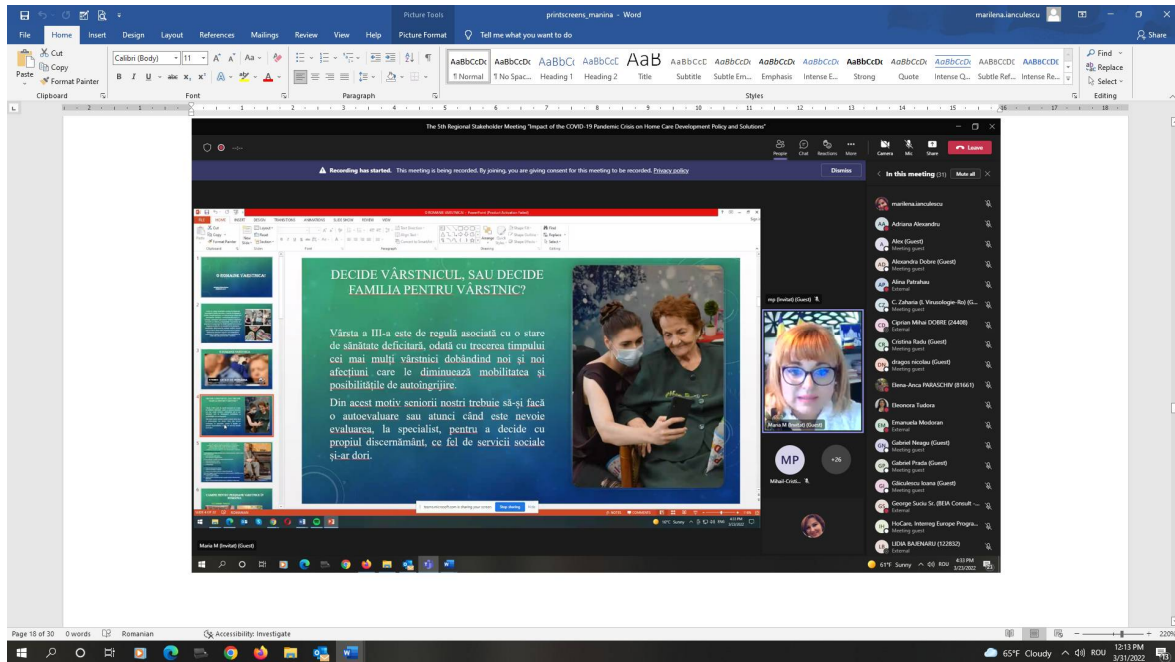
INSTITUTUL NATIONAL DE cercetare, dezvoltare și informatică - ICI BUCHAREST
"Impactul crizei provocate de pandemia COVID-19 asupra politicilor de dezvoltare a serviciilor și soluțiilor de îngrijire la domiciliu"
23 martie 2022

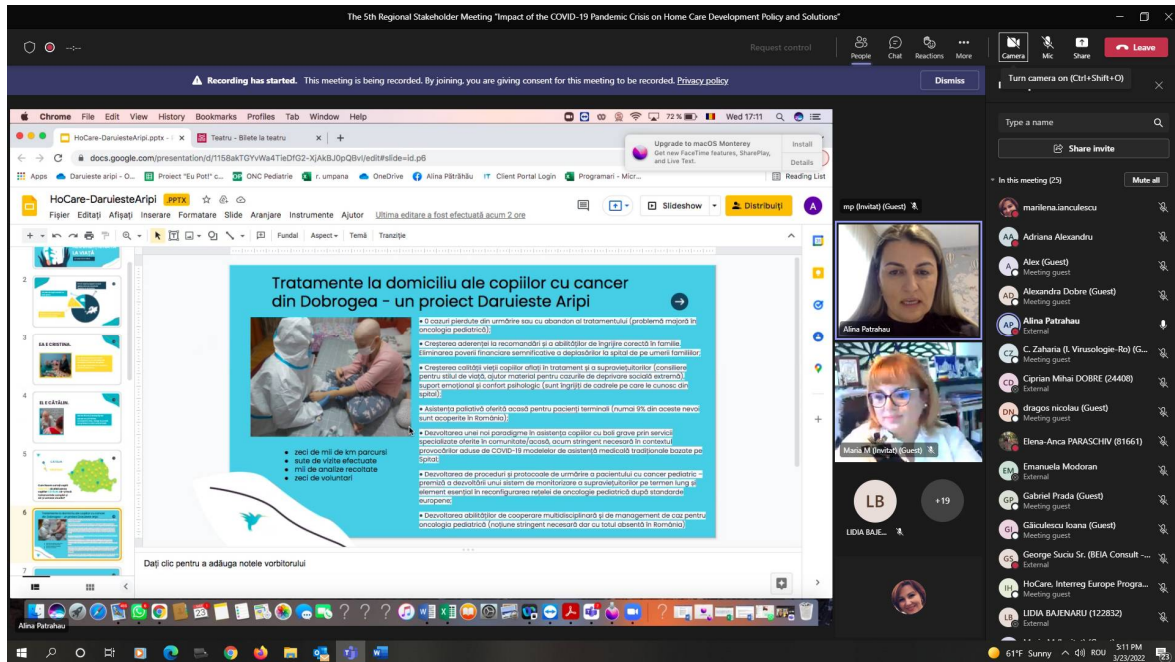
Participants

- Mihail-Cristian PETRACHE (71225) Organizer
- Adriana Alexandru
- Alina (Guest) Meeting guest
- Alexandra Dobre (Guest) Meeting guest
- Alina Patrahau External
- C. Zaharia (I. Virusologie-Ro) (G... Meeting guest
- Ciprian Mihai DOBRE (24408) External
- Cristina Radu (Guest) Meeting guest
- dragoș nicolau (Guest) Meeting guest
- Elena-Anca PARASCHIV (81661)
- Eleonora Tudora
- Emanuela Modoran External
- Gabriel Neagu (Guest) Meeting guest
- Gabriel Prada (Guest) Meeting guest
- Giăculescu Ioana (Guest) Meeting guest



Section 4. Exchange of experience on the impact of the pandemic crisis on the citizen / user of home care solutions





Section 5. Roundtable

