

IONIS

telemedicine and telecare for dementia challenges

Demonstration Center IZRIIS
for facilitating the exposure to available national
solutions and enhancing acceptance

Neja Samar Brenčič, MA, MSc.



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relations, gerontology and ICT



IONIS

INDOOR AND
OUTDOOR ADVANCED
TECHNOLOGICAL
SOLUTION FOR
PEOPLE WITH
DEMENTIA.

Assistance in
the early stages
of dementia for
safe and
independent
living at home.



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SUPPORT AT HOME
AND IN YOUR DAILY
ACTIVITIES THROUGH
TECHNOLOGY.

IONIS

POSITIVE SOLUTIONS
FOR MAINTAINING
INDEPENDENCE.
IT REDUCES ANXIETY
AND STRESS IN LIVES
OF FAMILY MEMBERS.

Support for people with
dementia, their
care-personnel and family
members.



IONIS

IONIS is an English abbreviation for a project that combines technologies and services for people suffering from dementia. It represents the connection between the patient, relatives and medical personnel. With the help of devices and technology, enables a high-quality life for a person with dementia. IONIS includes a web portal, interconnected with a variety of high-quality devices. It is user oriented, flexible and adaptable to meet a wide range of challenges and solutions.



SOLUTION

IONIS solution can replace certain day-to-day functions. In a personalized way, it supports a person with mild signs of dementia, such as memory and organization problems. It makes life easier in the home environment and outdoor activities. The integration of technology with services provides support to people with dementia and their relatives.



SOFTIC®



ZAVOD IZRIIS



WUT

ECLEXUS



Motivation for solution



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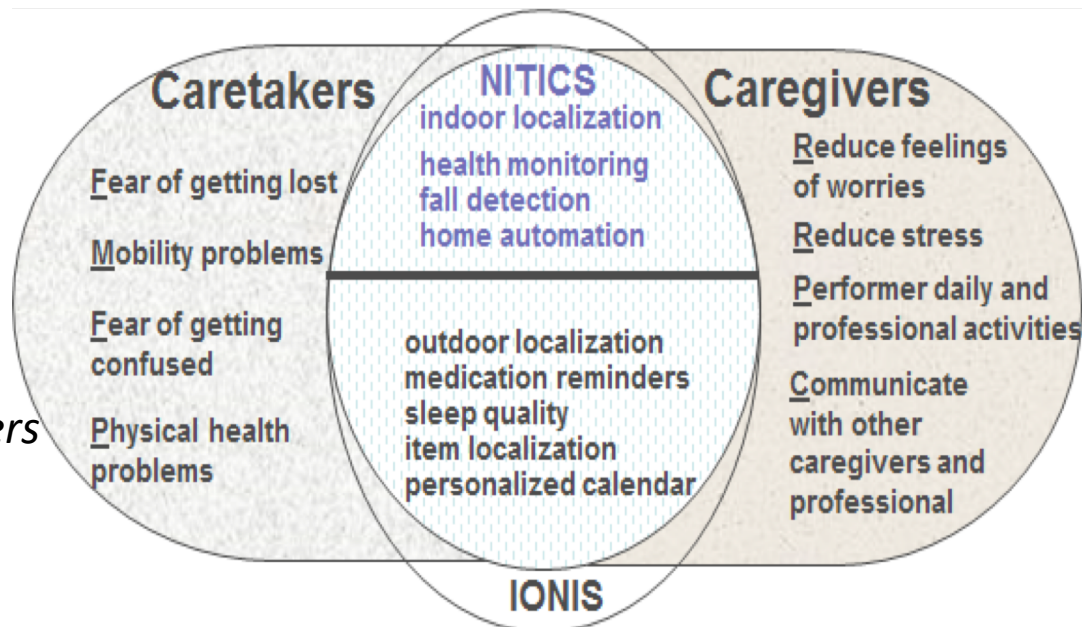
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End-user challenges:

- fear of getting confused (68%) - personalized calendar
- fear and of getting lost (60%) - indoor and outdoor localization.
- mobility problems (59%) - outdoor localization and
 - simple one-button call, fall detection and alerting.
- physical health problems (59%) - health monitoring and alerting will facilitate early intervene

FOR CARER:

- *Reduce feelings of worries*
- *Reduce stress*
- *Performer daily and professional activities*
- *Communicate with other caregivers and professional*



End-user experience

Involvement of the end-users



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#Added value #Acceptance #Integration #Understanding #Conceptualizing #Testing

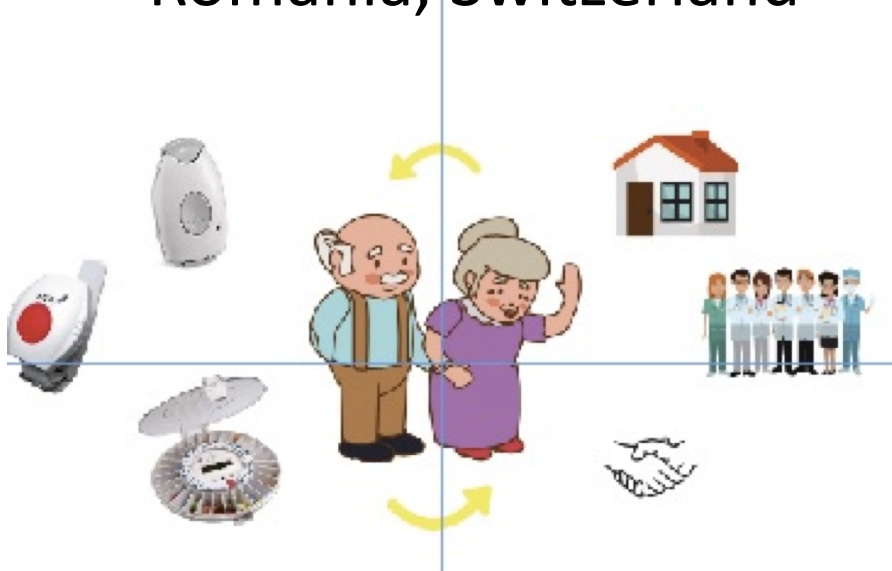
Opportunity to **touch, test and understand**
the usability of such support



First installations and testing

IZRIIS living lab

Testing in Slovenia,
Hungary, Poland,
Romania, Switzerland



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Cooperation with stakeholders

- **Telekom Slovenia**
 - e-oskrba (e-care)
- Exposure and acceptance



Cooperation wit stakeholders / 2

Developing and testing specific functions



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- **Pirnar** - smart door with adapted functions for elderly or persons with dementia - Open/close / delay function
- **eKey in LindeMPA** (in cooperation with Pirnar) - accesability and usage of finger-print and / or recognition for door opening
- **Telekom d.d.** - Testing and raising acceptance of target population
- **Špica International** - conceptualizing of solutions in the process of developing for dementia persons and eldely
- **MKS Electronic systems** - Expert support and system set up (Call center, health and home monitoring, SOS service)
- **A1 – SMART HOME** - Testing the solutions for specific functionalities
- **IBM Slovenia** – expert support and development - Testing and raising acceptance
- **SRC** - expert support and development - Testing and raising acceptance
- **Municipaluty of Ljubljana; Ministry of health, University of Ljubljana** (Medical faculty, Social sciences, other...)

IZRIIS center

raising the acceptance of smart solutions and services for elderly

- We desire that the elderly will experience the solutions as acceptable and possible for their everyday life.
- We desire for the visitors to have a real-life experience – how does it really work – how it can work for me?
- All feed back information is shared with companies and stakeholders for the improvement and upgrade of solutions

Solutions

- Design specific functionalities – tailor made solutions (NITICS, IONIS, INCARE...)
- End-user involvement in development
- Stakeholders, policy makers involvement
- Public exposure, raising acceptance, opinion creation



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We can improve our world in a gentle way.
Consider your thoughts, words and actions.
Be true to yourself and your values.
Create!

Thank you for your attention!

Neja Samar Brenčič

Zavod IZRIIS, Beljaška ulica 28; Project office: Triglavska 47, 1000 Ljubljana |

00 386 (0)31 691 119 | www.izriis.si | <https://www.facebook.com/zavod.izriis/> | @igzavodizriis neja.samar-brencic@izriis.si