

e-Health Technical Committee Newsletter

February 2022

On behalf of the e-Health Technical Committee (TC) of the IEEE Communications Society (ComSoc), we wish all our members a very instructive reading of this letter.

Title: Ideas MELting pot for ICT and health science for citizens in small communities (MELTIC)

The contribution in this edition is coming from: Victoria Ramos and Mario Pascual (vramos@isciii.es, mario.pascual@isciii.es) from Instituto de Salud Carlos III, Madrid, Spain. The contribution is related to the MELTIC project <https://www.isciii.es/QuienesSomos/CentrosPropios/UITES/Paginas/ProyectosdeInvestigacion.aspx>

MELTIC is a novel co-creation initiative to open up research in biomedicine funded by ORION Open Science Project. This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement (GA) No 741527.

Members of the e-Health community are invited to contact the author for further information or collaborations.

We also welcome all our members to share their research activities and field experiences through this open newsletter and to open up new opportunities for discussions and collaborations.

Editor: Dr. Nada Philip (Kingston University London, UK)

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IDEAS MELTING POT FOR ICT AND HEALTH SCIENCE FOR CITIZENS IN SMALL COMMUNITIES (MELTIC)

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MELTIC is a novel co-creation initiative to open up research in biomedicine, and generate useful information in Health and ICT research to improve the quality of life of European citizens in small communities. Co-creation



bring together different stakeholders, to share their interests and values and generate new and innovative ideas, concepts, products or projects. In co-creative projects, all groups are involved and have influence throughout the project lifecycle with the goal of making research activities in the ICT and Health sciences and biomedicine more open, transparent, transversal, accessible, relevant and impactful for research and society.

The project focus is to generate suitable ideas for research in topics such as self-learning, healthy habits, discriminatory information, addiction prevention and how to use ICTs to transform our small communities into more people friendly environments, rather than just more high-tech places. The structure of the project introduces the

importance of comprehensive and trans-disciplinary development and framework to better understand and channel ideas and (potential) interactions.

MELTIC investigates an advanced design of a technological solution that can be collaboratively exploited and evolved. This technological proposal was developed with the concept of “Community in mind”: trying to create strong and active communities that allow rural populations to strengthen ties with their neighbours and other nearby populations, or indeed anywhere else in Europe. This Digital eXperience Platform (DXP) provides content management capabilities and easy integration with devices and various media sources through "headless" technologies. Headless platforms are prepared for omnichannel communication, and allow:

- To find the content in one single place without the possibility of inconsistencies or ambiguities due to the distribution of copies,
- To store interactions on the platform, regardless of the number and types of devices used (computers, tablets, smartphones, ...), and
- To provide flexibility to content creators about the way the contents will be presented to users and, simultaneously, users might choose the access routes according to their needs or preferences

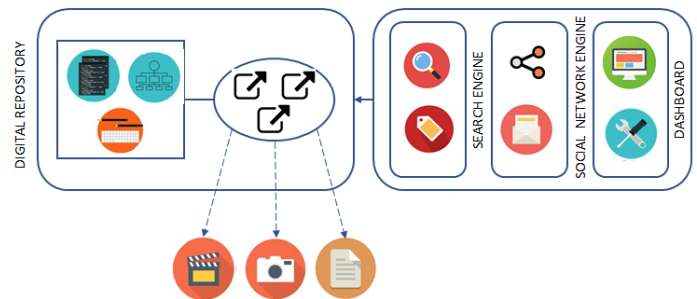
The DXP was based on interactions between ICT, public spaces and health in different ways:

- The use of ICT devices in public spaces (phoning, texting, wi-fi, gaming),
- ICT as an information transport network (internet, newsletter),
- ICT as a tool for social and health reporting, planning, enhancing participation,
- Interfaces of specific networks
- Availability functions and services

The architecture of the platform are conceived as modular components and microservices, with independent implementation and open interfaces, communicating to each other through simple and well-defined mechanisms. Aforementioned architecture provides high security, scalability and flexibility to integrate and deploy services, achieving a highly dynamic functionality very advantageous in co-creation environments.

The most important components of the platform are: an internal one that contains content resources (own and references to external resources) and services; and a public-access one, that offers the interfaces to access MELTIC resources.

MELTIC DXP PLATFORM



MELTIC project targets innovation at the following technical endeavours:

- Identify research activities in ICT in health and biomedicine;
- Establish recommendations and ideas to make them more open, transparent and accessible, increasing social impact and improving the quality of life of European citizens in small and/ or isolated communities;
- Investigate a model for cooperation in the form of a technological proposal (DXP) to support and encourage socio-spatial interaction of citizens;
- A vade mecum of 100 ideas about ICT in Health and Biomedicine research.

The project is built on the know-how of an international consortium of several partners (governments, educators, charities, trade unions, civil society, healthcare professionals, patient groups and their families and the general public) from four different countries: Portugal, Italy, Romania and Spain.

The project is coordinated by Instituto de Salud Carlos III, Madrid, Spain. MELTIC welcomes potential collaboration from outside partners for next activities focused in small and isolated communities.

Website:

<https://www.isciii.es/QuienesSomos/CentrosPropios/UITES/Paginas/ProyectosdeInvestigacion.aspx>

Contact: Victoria Ramos (Project coordinator) IEEE Senior Member – vramos@isciii.es.

IEEE Globecom 2022: Call for papers and proposals

The 2022 IEEE Global Communications Conference (GLOBECOM), themed “Accelerating the Digital Transformation through Smart Communications”, will be held in Rio de Janeiro, Brazil, from 4 to 8 December 2022. It will feature a high-quality technical program including 13 symposia and a variety of tutorials, workshops and industry program. It aims at bringing together practitioners, with keynotes and panels from prominent research, industry and government leaders, business and industry panels, and technological exhibits.

IMIMPORTANT DATES

Paper submission: 15 April 2022

Tutorial proposals: 15 April 2022

Workshop proposal: 15 March 2022

Panel proposal: 1 June 2022

Accepted notification: 25 July 2022

Camera-ready technical: 1 September 2022

Full details of the topics and submission procedures are available at <https://globecom2022.ieee-globecom.org/authors/call-symposium-papers>