



UNIVERSITÀ DEGLI STUDI DI NAPOLI
FEDERICO II



3D Community aware virtual spaces
as smart living environments for
physical activity and rehabilitation



Organizzazione
delle Nazioni Unite
per l'Educazione,
la Scienza e la Cultura



Cattedra UNESCO "Educazione alla
salute e allo sviluppo sostenibile",
Università degli Studi di Napoli Federico II,
Napoli (Italia)



CAMPANIA
felici di esserci



NET4
Age-Friendly



RSCN

REFERENCE SITE COLLABORATIVE NETWORK

IEEE METROXRaine 2022

OCTOBER 26 - 28, 2022

Rome

Special Session

October 26 – h.9:30-17:00

Designing, testing and implementing innovative solutions for health in the framework of the twin transitions: challenges and enablers

There are a number of challenges we face that require a collaborative effort across strategic international, national and local levels, and need to be paralleled by an interdisciplinary approach aimed at overcoming the knowledge silos that hinder the adoption of innovative solutions that already proved their effectiveness. Indeed, still there are organizational, technological, administrative bottlenecks blocking the transfer and scale-up of innovations into services that can generate medium and long term return on the well-being of people and the functioning of economies and societies.

The RSCN, NET4Age-Friendly and ProMIS networks have been developing a collaboration to build valuable synergies between different knowledge fields towards establishing new local and regional ecosystems and promote the growth of existing ones in Europe, working in health and well-being towards an age-friendly digital world.

CIRIAPA and CIRMIS Unina interdepartmental Centers have been collaborating to support interdisciplinary activities for the digital transformation of health and care.

The aim of this workshop is to share experiences and good practice concepts with the METROXRaine community of stakeholders, to foster their engagement in collaborative activities and contribute to drive forward the twin transitions: digital and environmental.



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Draft Agenda

Introductory session

h. 26/10 Morning: from 9.30 to 12.30

9.30 Welcome and introduction.

Maria Triassi, Pasquale Arpaia and Guido Iaccarino, Federico II University.

Arturs Mietulis, WHO-Europe Headquarters.

Moderator: Maddalena Illario, *Federico II University and Hospital, NET4Age-Friendly COST Action*

9.45 Innovative responses to global challenges and threats: mHealth Hub experience.
Technical Officer Capacity Building and Collaboration (CBC)
Digital Health and Innovation (DHI)
World Health Organization headquarters in Geneva

9.55 The opportunities of the digital transformation of health and care towards 2030, *Irina Calderon, European Commission DG CNCT*

10.05 NET4Age-Friendly Community: implementing Smart Health Age-Friendly Environments (SHAFE). *Carina Dantas, SHINE 2Europe, NET4Age-Friendly, SHAFE Network*

10.15 Building synergies in the digital transformation of health and care: opportunities arising in the ARUA African network. *Pasquale Maffia, University of Glasgow*

10.25 From urban districts to eco-districts: artificial intelligence and data sharing to improve the impact of the built environment. *Mario Losasso, Federico II University*

10.35-10.45 Discussion & question time

10.45-11.30 Coffee break & networking

Working sessions: Addressing the challenges for person-centered and technology-supported services.

Working session 1: The technology perspective

Moderator: *John Farrell, RSCN*

11.30 Process mapping for complex systems: the ontology challenge. *Pedro Roseiro, National Portuguese ICT Cluster -TICE, NET4Age-Friendly COST Action*

11.40 Knowledge engineering in digital healthcare ecosystems. *Antonio Rinaldi, Federico II University*



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- 11.50 Sensing solutions for independent ageing. *Bruno Andò, University of Catania*
- 12.00 Integrating health and environmental monitoring: RADAR innovative approach to contrast AMR. *Ion Arrizabalaga, Agencia de Qualitat I Avaluació Sanitaries de Catalunya*
- 12.10 3D Community Aware Virtual Spaces as Smart Living Environments for Physical Activity and Rehabilitation. *Hugo Paredes, INES-TEC, Porto*
- 12.20-12.30 Discussion & question time
- 12.30-14.30 Lunch break**

h. 26/10 Afternoon: from 14.30 to 17.00

Working session 2: the Organizational perspective

Moderator: *Simona Pestina, ITU; Cristina Mele, Federico II DIETI*

- 14.30 Ethics & privacy in the digital world. *Francisco Florez-Revuelta, University of Alicante, Chair COST Action GoodBrother*
- 14.40 The evolution of professional identity in the twin transitions. *Lorenzo Mercurio, Federico II University*
- 14.50 The social elements and stakeholders engagement: the experience of "Viva gli Anziani". *Giuseppe Liotta, Tor Vergata University*
- 15.00 Exploiting innovative solutions to strengthen integrated approach to community care and cure service provision. *Alberto Pilotto, EO Galliera*
- 15.10-15.30 Discussion & question time
- 15.30-16.00 Coffee break & networking**

Working session 3: the education and training perspective

Moderator: *John Farrell, RSCN*

- 16.00 Addressing the challenge of interdisciplinarity in the academia. *Pasquale Arpaia, Federico II University*
- 16.10 Which use for new digital tools and e-didactics in the Health Systems. *Paolo Michelutti, Italian Ministry of health/national agency for regional health systems.*



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- 16.20 Scaling up innovation: the role of scientific societies and their current challenges translating evidence to practice. *Regina Roller-Wirnsberger, Graz University*
- 16.30 The viewpoint of the students: balancing in-person and web-based value of training and education. *Antonino Esposito, Federico II Medical Students Representative*
- 16.40-16.50 Discussion & question time
- 16.50-17.00 Final remarks: John Farrell, *RSCN*

Scientific Committee

Coordinator:

- Maddalena Illario

Members:

- Guido Iaccarino
- Maria Triassi
- Pasquale Arpaia
- Carina Dantas
- John Farrell
- Regina Roller-Wirnsberger
- Antonio Maria Rinaldi
- Lorenzo Mercurio
- Gabriella Fabbrocini
- Annamaria Colao
- Giuseppe Liotta
- Lisa Leonardini

Scientific Secretariat: unina4aha@gmail.com