LOMBARDY CLUSTER FOR TECHNOLOGIES FOR LIVING ENVIRONMENTS FOUNDATION

CLUSTER TAV
TECH FOR LIFE
CTL TECNOLOGIE PER GLI AMBIENTI DI VITA

GENERAL INFORMATION

REFERENCE ECOSYSTEM

Health and Life Science

TECHNOLOGY AREAS

Health and Well-being, Digital Health, Personalised Medicine, Rehabilitation, Nutrition, Active Ageing, Health Tourism & Sport, Future Environments of Life

EUROPEAN PROJECTS AND INTERNATIONAL NETWORKS

Vanguard Initiative Smart Health Pilot, Medical Technologies partnership (MedTech), XpanDH project, JA-ImpleMENTAL project

HEADQUARTERS

Viale Tonale, 28/30 - 23900 Lecco

WEBSITE

cluster.techforlife.it

NUMBER OF MEMBERS

31

di cui
- **9** companies
- **13** research organisations
- **9** other entities

SUCCESS STORIES

- European project: MedTech4Europe (2018-2022)
- InterregAlpine Space: HEALPS 2 (2019-2022)
- Interreg Alpine Space: (2018-2020)
- Call-HUB SpatialS3 (2020-2022)
- Project Autitec (2028-2021)
- Project DESIGN4All (2013-2016)
- Project Smart Piquer (2017-2019)
- Project Ability (2014-2015)

Creation of a stable and fruitful collaboration between SMEs and research institutes/IRCCS: technical and scientific collaboration between the company Astir Srl, IRCCS Don Carlo Gnocchi and the Cluster itself. This partnership, which is enabling the development of a technological solution for cognitive rehabilitation at home.
Innovative partnerships: Cluster TAV supported the establishment of the consortium and the presentation and to date dissemination of the sPATIALS3 project – Regione Lombardia's Call Hub, considered best practice as the Cluster TAV facilitated the inclusion of 4 clinical institutions (including 2 IRCCS) within the Hub, thus creating the basis for the collection of specifications, design and implementation of clinical trials. Supporting ASST Lecco for the participation in the JA Implemental.
Fair: the Cluster participate for 7 consecutive years at the SMAU Milano with a booth proposing products/services/ prototypes and disseminate. 7 projects' prize were win by partners.

ONGOING PROJECTS 2024

European project: XpanDH

XpanDH is a two-year (1 Jan. 2023 – 31 Dec. 2024) Horizon Europe project that aims to empower people and organizations to create, adapt, and explore the use of digital health solutions. To do so, the project promotes the adoption of the European Electronic Health Record Exchange Format (EEHRxF).
26 partners are involved in this project.

XpanDH will deliver four outcomes:
1. improved cross-border digital health solutions in the EU by developing technical resources and promoting the use of standardized technical specifications for specific use cases.
2. better access, control, and portability of your health data through digital services based on EEHRxF specifications.
3. informed policy makers and the eHealth Network about the EEHRxF and how it can be extended to other use cases.
4. provide diverse populations with training materials, specialized tools, guidelines, mentorship programs, and collaboration initiatives.

The Cluster is involved in two WPs: Growing Digital Health ecosystems and Dissemination & Outreach.

PNRR projects

Fit4MedRob: Fit for Medical Robotics
It aims to revolutionize current rehabilitation and assistive models for people of all ages with reduced or absent motor, sensory, or cognitive functions, by means of novel (bio)robotic and allied digital technologies and of continuum of care paradigms that can take advantage of the novel technologies in all the phases of the rehabilitation process, from the prevention up to the home care in the chronic phase. This will be possible by carefully identifying the unmet needs of patients and healthcare practitioners, and by tackling them with current and novel (bio)robotic/bionic technologies, via multi-centric clinical trials jointly conceived by bioengineers, neuroscientists, physiatrists, psychologists and functional/ preventive limb surgeons.

AGE-IT: Ageing Well in an Ageing Society
The overall objective of Age-It is to provoke a quantum leap in Italy's contribution to research on ageing, making it a leader in research as well as in strategic European and global value chains. Applying a holistic, interdisciplinary, and problem-solving approach, Age-It overcomes the fragmentation of different perspectives on ageing, involving a critical mass of partners including research and educational institutions, care providers and civil society associations, businesses and industries.

SYNERGIES
with other regional or national strategies

SMART SPECIALISATION STRATEGY S3

Health and Life Science Ecosystem
Social Development Ecosystem
Connectivity and Information Ecosystem

PNRR

Mission 6
Health
Component 1
Proximity networks, facilities and telemedicine for territorial health care
Component 2
Innovation, research and digitisation of the National Health Service

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