Interreg
Alpine Space
EUROPEAN UNION
CARE4TECH

O.T2.1 AS ALLIANCES

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1 O.T2.1 AS ALLIANCES

Strategic structure supporting 11 thematic smart living tech excellence groups in cooperation, technology & innovation: each group focuses on sharing & analysing solutions & identify docking points with at least 1 current relevant policy unit.

2 AS ALLIANCES DESCRIPTION

2.1 SCOPE AND OBJECTIVES

The 11 CARE4TECH Alpine Space Alliances are quadruple-helix thematic excellence groups willing to generate a coordinated approach to increase the AS innovation on Smart Living technology. They are powerful strategic networks sharing common interests on Smart Living technologies that interact and work together to foster interregional collaborations among the involved stakeholders.

Alliances have been developed as multi-stakeholders and goal-oriented networks. Therefore, involved actors belong to several organizations and have different backgrounds: from academic to industrial, from technological to politicians. The heterogeneity of groups is a real added value for the Alliances that aimed at creating and maintaining strong ties between quadruple-helix actors creating structures that improve the communication and transparency between research institutions, businesses, government, and civil society as a whole. The outstanding goal of the 11 CARE4TECH Alliances is to create a stable community of innovators around the Smart Living addressed fields.

The 11 Alliances have been generated following 11 Smart Living sub-topics that emerged as a primary field among the leading organization and the regional ecosystem. Cross-interests have been mapped in order to create synergies with other partners and stakeholders, interested in working and cooperating on the topic. The interregional dimension of the Alliances is a matter of fact and a potential strength considering the Alliance goals and their aim of increasing innovation among the whole Alpine Space area that is now characterized by a fragmentary landscape.

2.2 ALLIANCE RELATION MANAGEMENT TOOL: TRELLO

The supporting tool selected by CARE4TECH Partnership to collect Alliances activities is Trello. This tool has been recognized by the Partnership as an effective open source tool to have a comprehensive vision of each of the 11 Alliances and to foster stakeholders' involvement and collaboration. Indeed, Trello Boards are supposed to be a powerful relation management tool for each partner and stakeholder involved that is willing to be part of the Smart X Alliance work. In particular, it was considered useful to create 1 specific Trello Board for each Alliance, seen as one-stop-shop for the stakeholders involved in the Smart X activities.

Each Alliance Board includes cards to illustrate and update information about the following topics:

- *Overview of the Alliance*: briefly identifies the topic addressed by the Smart X Alliance.
- *AS Task Force*: collect main information on the stakeholders actively involved in the Smart X Alliance (Alliance Leader and Support, Mentor, Peer Reviewers, experts, …).
- *Interested Case Studies and Applications*: briefly shows the most interesting case studies addressed by the Alliance.
- *Mobility Actions*: collects all the information about the Mobility Actions of the Alliances (minutes and evidence material).

- *Online Sessions*: collects information on the Online Sessions of the Alliances (minutes and evidence material).
- *Meet & Great*: collects information on the thematic events, organized by the partners or external events, may be of interest for the Alliance stakeholders.
- *Goals & sustainability*: to support stakeholders understand the "WHY"- the short and long-term goals and objectives foreseen by the Alliance activities.
- *Let's capture ideas*: collects members' new ideas, hints on potential cooperation opportunities.

Beside guidelines for developing the specific Alliance boards were given, it was also considered useful to let partners customize the tool to make it suitable for their specific Alliance activities.

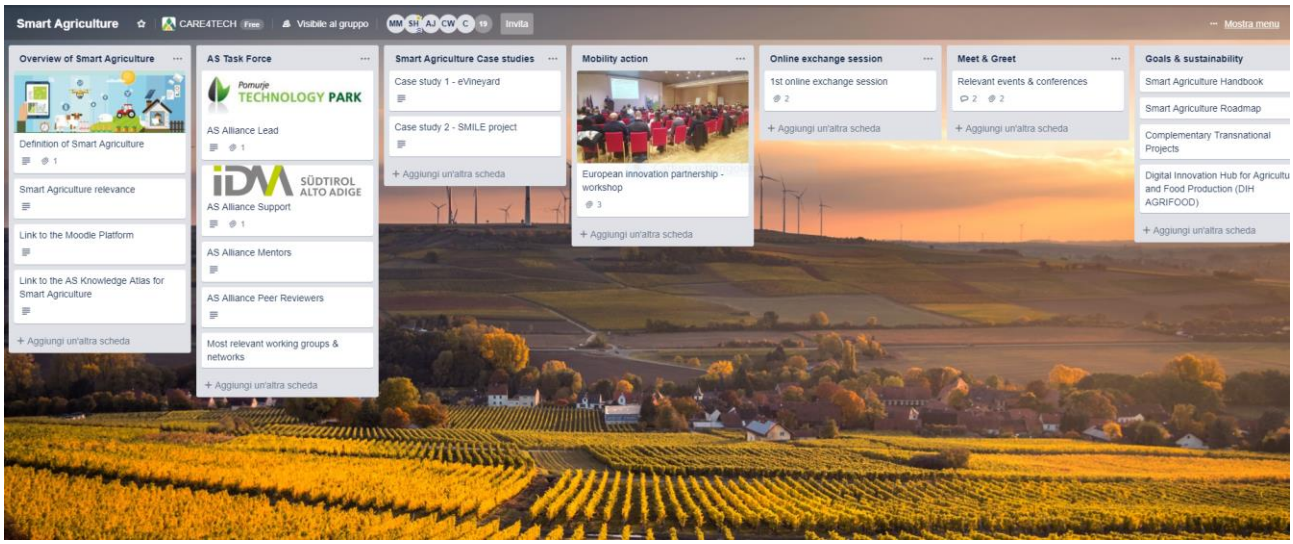
By 01.04.2018, Project Partners have installed 11 Trello Boards exploited not only to develop the Alliances, but also to fosters the preparation and organization of a permanent stakeholder dialogue process (A.T3.1).

3 OVERVIEW OF THE 11 AS ALLIANCES

A proper methodology was developed for the Alliances identification. Partners were asked to fill in checklists as well as competency matrixes and, according to their interest, 11 Smart X Alliances were identified:

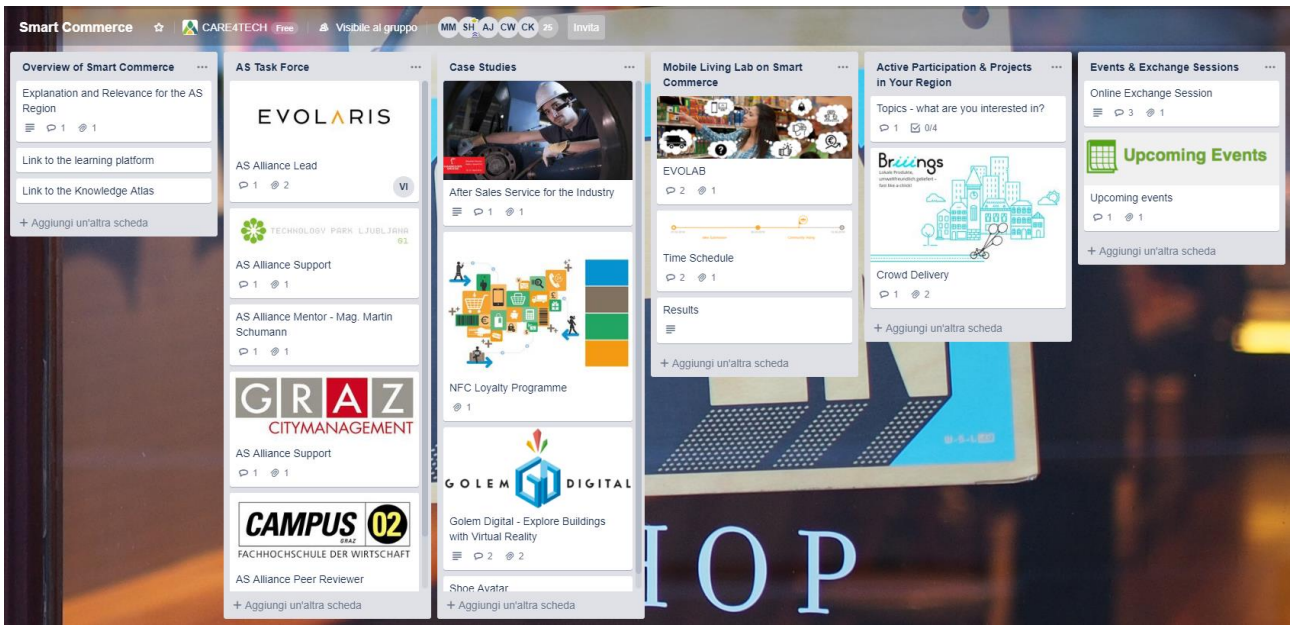
3.1 SMART AGRICULTURE

Smart Agriculture represents the application of modern Information and Communication Technologies (ICT) into agriculture, leading to what can be called a Third Green Revolution.



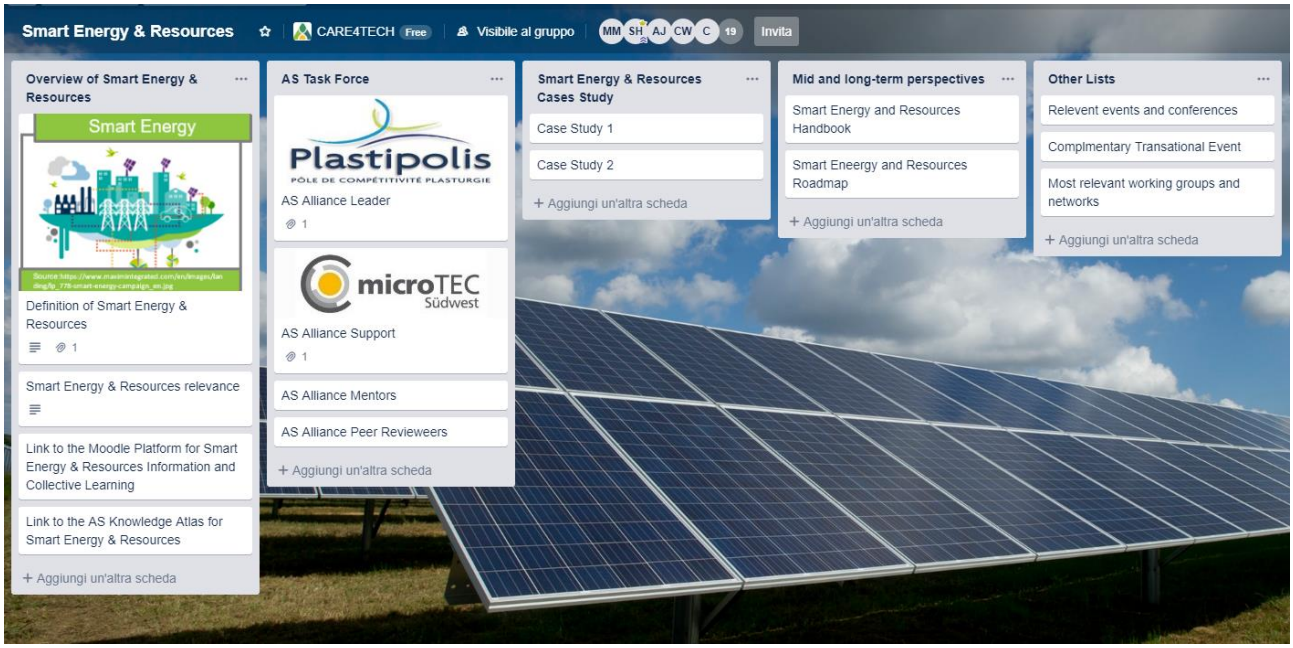
3.2 SMART COMMERCE

Smart Commerce describes the technologies which support the change in the commerce and service sector, which is a result of progressive digitalization and interconnection. Due to the dynamic spread of digitalization and interconnection the retail and service sector are facing major change. The response to these challenges lies in recognizing the opportunities, connected with digitalisation and interconnection, through the implementation of innovative technologies and services.



3.3 SMART ENERGY & RESOURCES

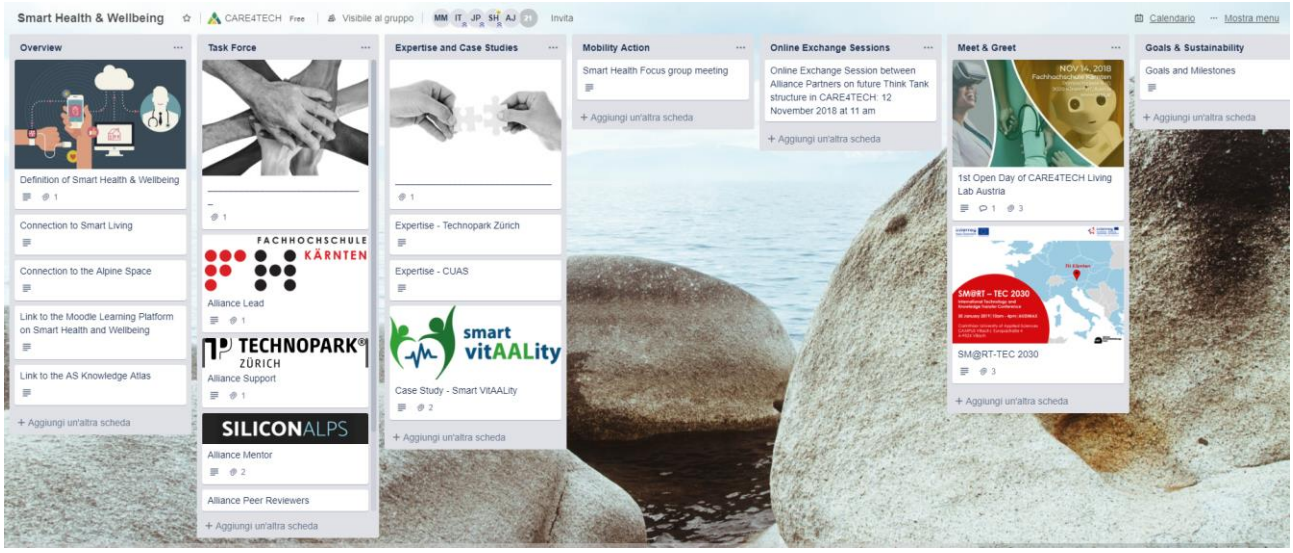
Smart Energy is mainly related to solutions and services, which are deeply integrated in the living environments and are aiming to live a more en-ergy efficient lifestyle. Smart energy is one of the main topics of Smart living, because there is no smart applications without energy. Energy management and smart grids repre-sent great challenge in order to create sustainable life condition, due to an increase of energy needs in the world and the possibility to optimize its use and its distribution.



3.4 SMART HEALTH & WELLBEING

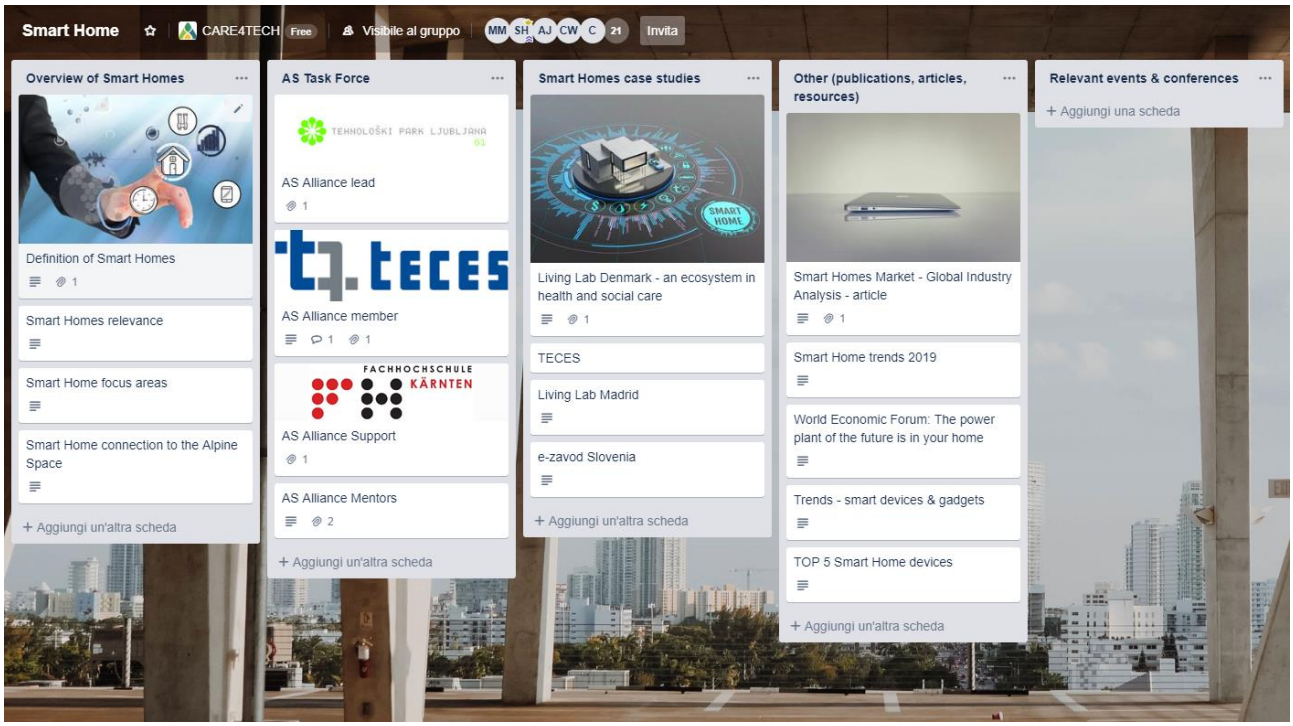
The field of Smart Health focuses on the digitization of health care and covers topics like eHealth, personalized medicine and active and healthy aging, assisted by various means of ICT. To overcome health- and age-related

challenges, the involvement of end users, enti-ties from the medical and care sector, municipalities and research institutions in the design and development process is essential.



3.5 SMART HOME

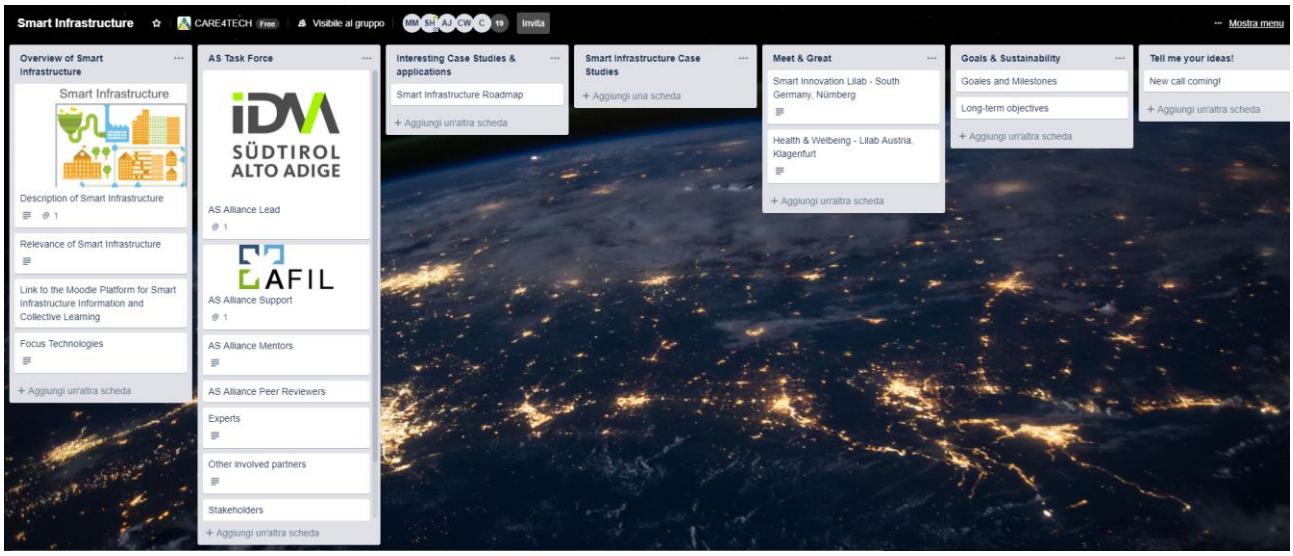
Smart Home development is a response to EU socio economic challenges; aging population, energy efficiency and sustainability, higher employment rates and optimal use of materials.



3.6 SMART INFRASTRUCTURE

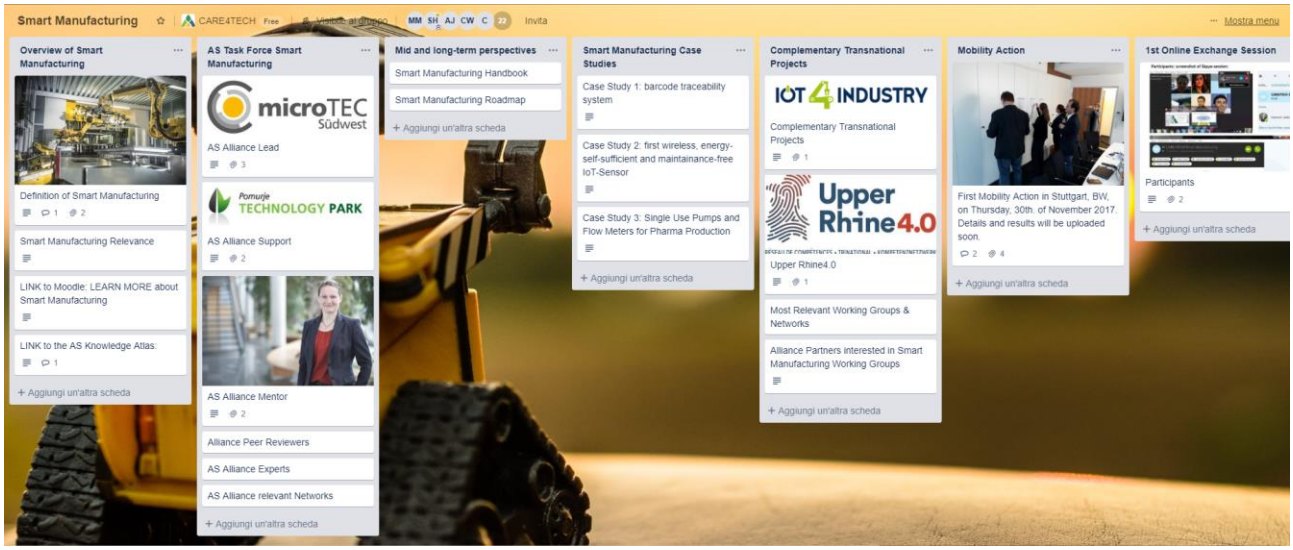
Smart Infrastructure makes our world better connected. It lowers emissions, better exploits energy and let hospitals and other public institutions be more efficient. Smart Infrastructure recognizes the actual need of the citizens and adapts in real time. City departments must work in tandem when deploying IoT technologies,

keep network longevity in mind, and strive to keep things as streamlined as possible. In this way, Smart Infrastructure connects different topics and makes Smart Living possible on a larger scale.



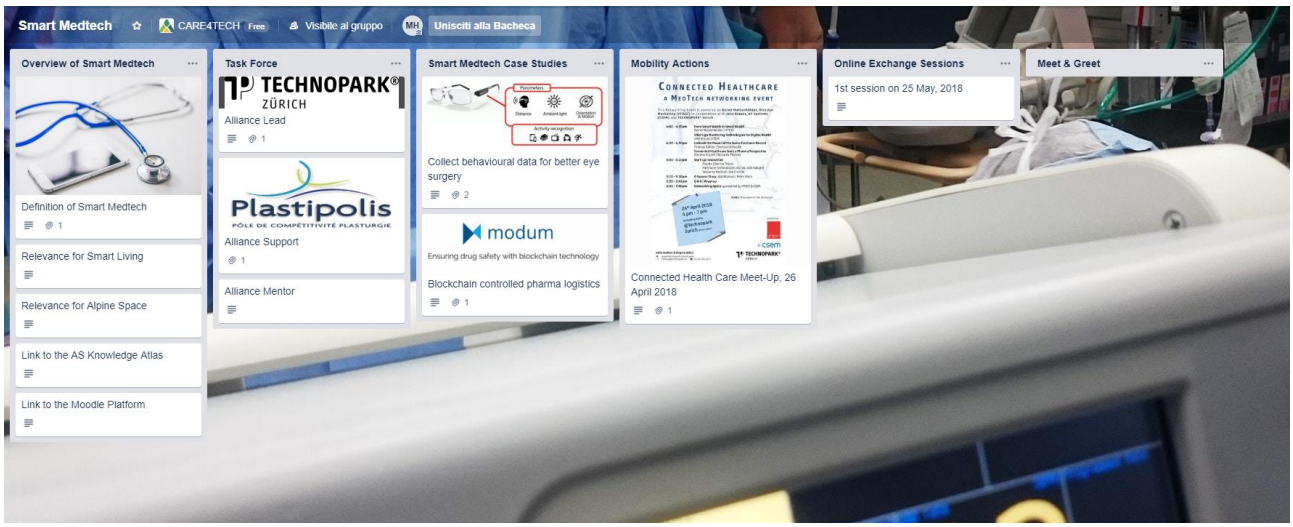
3.7 SMART MANUFACTURING

Smart Manufacturing and the term of industry 4.0 are related to the knowledge and understanding of the changes required to meet the challenge of the 4th Industrial Revolution as well as the implementation of technologies and services into the working processes.



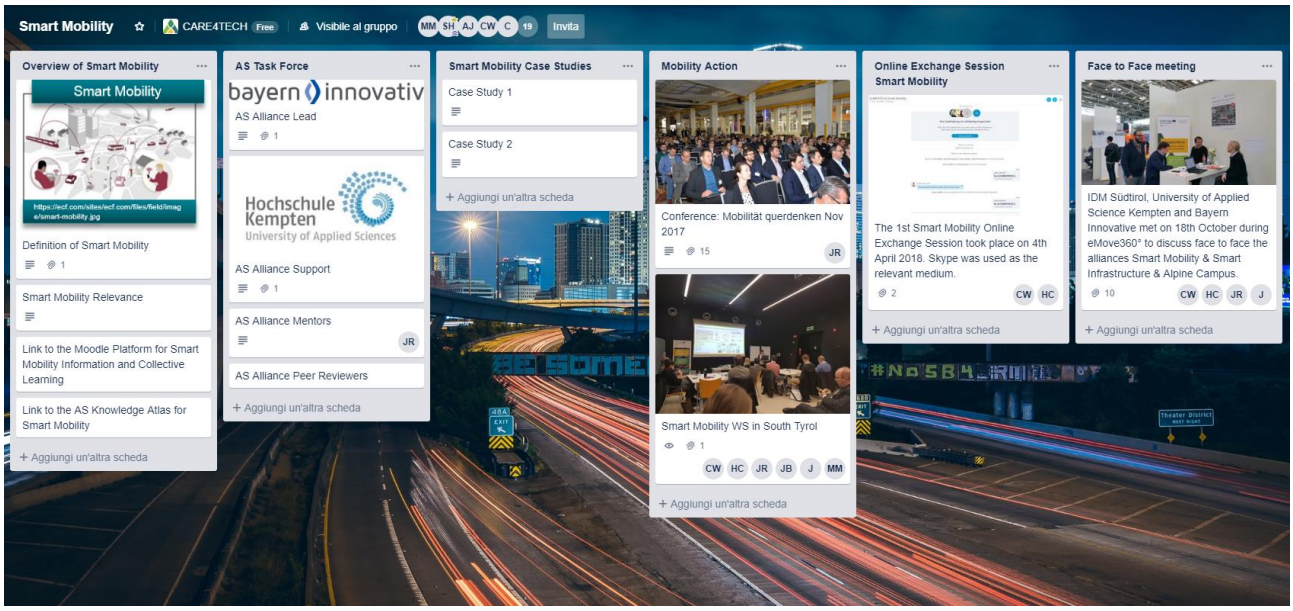
3.8 SMART MEDTECH

The field of Smart Medtech focuses on the digitization and improvement of health care devices and covers topics like networked medtech devices, cybersecurity, patient management, but also improved materials in medical devices. Clinical validation of such new technologies requires synergies of hospitals and care facilities as well as doctors and end user organizations, in addition to the technology developers.



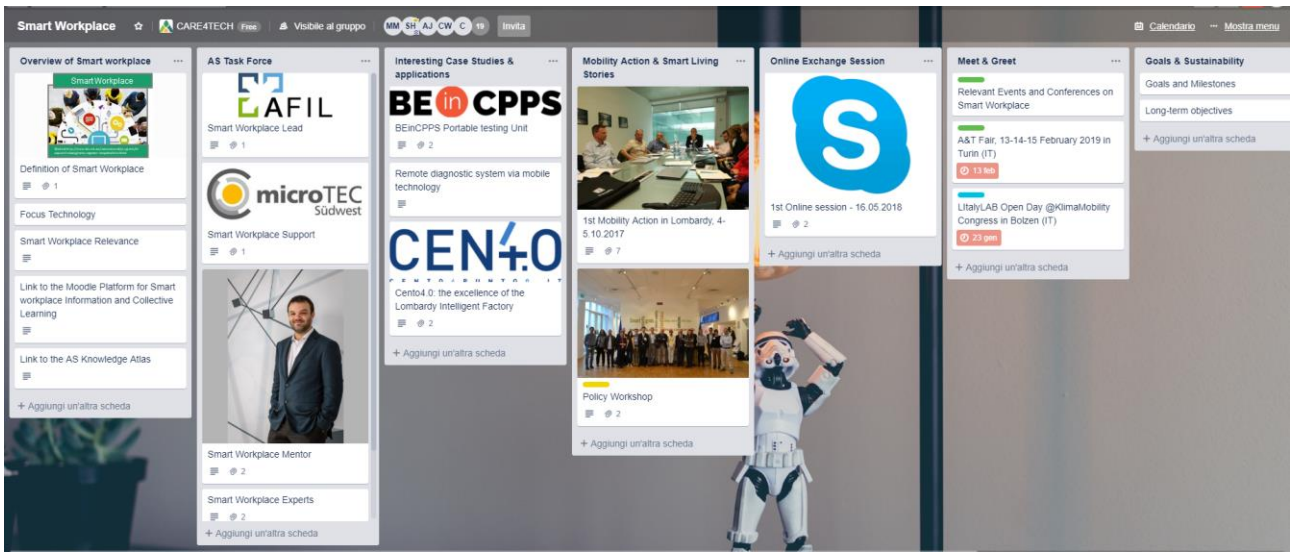
3.9 SMART MOBILITY

Smart Mobility and Smart Mobility Concepts are defined as solutions and services which offer the possibility for an energy efficient, low emission, safe, comfortable and cheap mobility which can be used in a smart way.



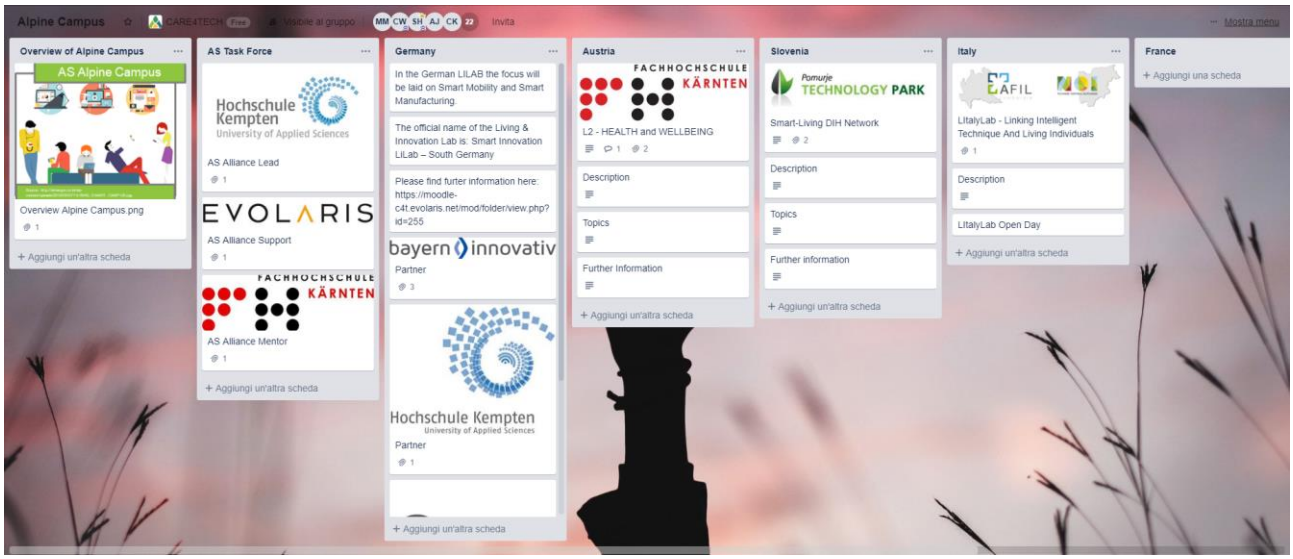
3.10 SMART WORKPLACE

Smart Workplace technologies and solutions support an efficient, barrier free and knowledge enhanced work-life. Smart Workplace solutions may contribute to greater safety in manufacturing scenarios, but also to assisted working scenarios (e.g. for older workers). Improved methods for integrating streams of data machinery and sensors can also be integrated. The approaches handle smart-factory data and make them visible and consumable in order optimize working process.



3.11 ALPINE CAMPUS

The AS Alpine Campus is the design, development and running of a transnational modular learning system, based on Living & Innovation Labs; providing support to the 11 quadruple helix teams to integrate the AS Alliances in 20 joint cooperation initiatives in innovation projects relevant to smart living.



4 EXPECTED IMPACT AND SUSTAINABILITY OF ALLIANCES

The CARE4TECH Alliances are ecosystems of excellence, namely strategic networks of collaborative stakeholders active on common Smart Living Fields. They have been established according to regional priorities and ecosystem needs and, since the beginning of the project, they acquire increasing commitment from several different innovation actors: from academia to industrial, from technological to policy maker players.

Each Alliance is supported by a Leading and a supportive Partner. In addition, the alliance activities are mainly promoted by the AS Task Force: quadruple helix-based teams to jointly learn & innovate through a living lab-based learning system. These teams are mainly composed of mentors and experts:

- Mentors handle a strategic role within the Task Forces; they have been addressed as the main strategic leaders and they are in charge of driving the Alliance development strategy and roadmap.
- Experts are both academic and industrial people having high expertise and interests in the addressed Alliance fields.

The core Task Force groups periodically meet (online and/or face-to-face) and constantly update on the ongoing activities. In addition, Alliances are open to regional and interregional stakeholders and actors interested in investigating or taking advantage of the Alliance activities.

Alliances have been recognized as strategic networks capable of learning together where there are synergies and complementary interests to take advantage of regional strengths and opportunities, to overcome the weaknesses and threats that the Partners and their stakeholders perceive. Alliances operates both at a company level, designing and implementing solutions in order to strengthen Smart Living Technologies, and at a policy level, providing strategic stakeholder analysis on policy development in Europe.

Their stakeholder groups and Task Forces have been highly involved in the constitution of the CARE4TECH Living and Innovation Labs and in the Think Tank community. Alliances are thus the pillars, the fuel and core groups of the Project Outputs. Thanks to the Living and Innovation Labs, Alliances have strengthened their national collaborations and they have been able to put in practice their ideas and inputs. Indeed, Alliances roadmaps point out future excellence in Smart Living technologies, fostering innovation and interregional cooperation, launching joint initiatives also listed in the CARE4TECH Capitalization Agenda.

Moreover, Alliances networks commit and have the opportunity to capitalise their activities within the Think Tank, an open platform linked to leading EU initiatives that enables a permanent dialogue between all quadruple helix actors in the field of Smart Living to promote technology and knowledge transfer in the Alpine Space region enhancing competitiveness and leading to a mature Alpine Space innovation policy.

5 OPENNES TO INTERESTED STAKEHOLDERS

From the project beginning, Alliances have started acquiring stakeholders' commitment and gained important trust from Task Forces, which represent the core Alliance group.

Nevertheless, Alliances have always operated in an open environment, willing to involve an ever-increasing number of stakeholders to be part of the Alliance activities. Due to this, Trello Boards have been communicated and disseminated during events, workshop, conferences and through the project tools and communication channels.

Interested stakeholders can join the Alliances through the following link:

https://trello.com/care4tech

To access the Trello Boards, the browsers Firefox or Chrome have to be used. The tool is not supported by Internet Explorer. Interested stakeholders can either create a Trello account or enter with their Google access data.

6 REFERENCES TO RELEVANT DELIVERABLES

D.T2.1.1 CARE4TECH Handbook on designing & implementing Smart Living Alliances

D.T2.1.2 CARE4TECH Smart Living Alliances: roadmaps for future excellence in technology and innovation

D.T2.1.3 CARE4TECH Smart Living Alliances New Members Motivation & Information Events

D.T2.1.4 AS Task Force Factsheets

D.T2.1.5 CARE4TECH Smart Living Alliances Roadmap implementation Reports