Creation of Science Park development model

Structural development model

The motivation of the Science Park to be created is the creation of an "innovation space" (both in terms of physical and content), which is used in research and development related to sustainable, modern industrial development and innovation in the strategic fields of an institute as well as of the EELISA alliance, it becomes a key player at the regional, national and international level. The primary task of the Park is to produce high-quality intellectual values for industry, the economy and the European Union in dedicated areas, thereby helping the companies to become significant players in the global value chain. Based on this commitment and the "open innovation" model implemented together with partner companies, the Park can also play a significant role in mitigating emerging economic crisis situations. Therefore, its primary goal is to effectively contribute to economic growth with leading research results, corporate relationships as well as to support the efforts to reach sustainable development goals.

The basic elements of the Science Park's operation:

- R&D activities are provided by research on professional focal points in cooperation with the relevant companies

- The SME sector is also involved in the implementation of new industrial products created as a result of R&D carried out together with large companies,

- Helping the SME sector in the digital transition with consultation, technological knowledge and by supporting the development of a business plan,

- Implementing incubation by helping startups, with venture capital, a business plan, providing space and infrastructure, industrial challenges for students and university lecturers-researchers,

- The full development of the program in cooperation with nearby research sites with the help of geographical proximity, which can multiply the innovation potential.

One of the main purpose of the Science Parks is improving community welfare so encouraging the competition is between the tasks that Science Parks have. That's why Science Parks

should have advanced technology laboratories and shops and also global and government based incentives must be encouraged for the players and had an interactive role for both

informing and applying. The services may be also classified on the basis of stakeholders:

- Services for Industry Partners (Access to strategic partners; Research & Development Cooperation Projects; Funding acquisition; Visibility; Organisation and Moderation of
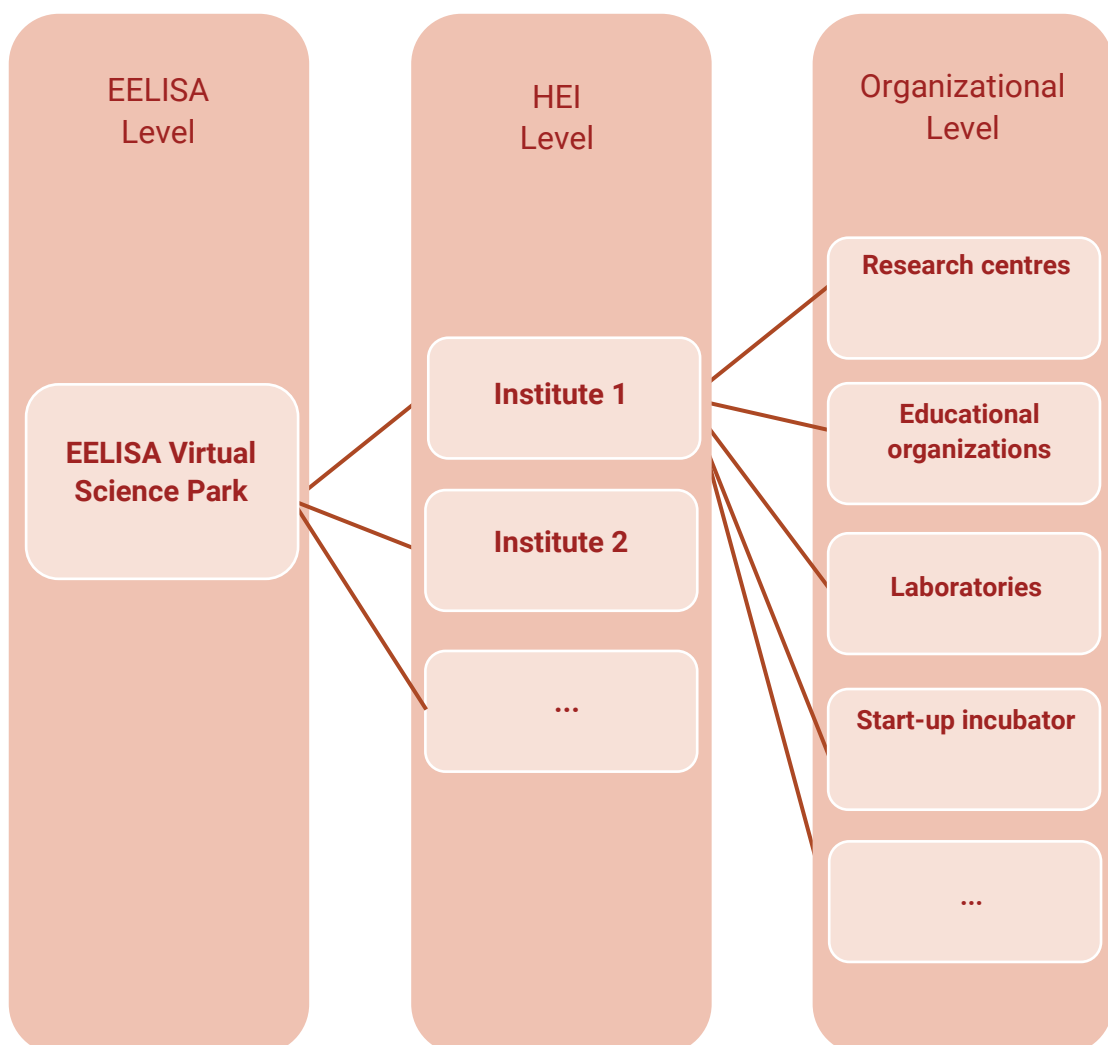
- Events; Internationalisation)

- Services for Startups (Start-up consulting services; incubator spaces; access to startup programs; access to funding acquisition, business angels, and venture capital)

- Services for Researchers (spin-off support; patent consultation and exploitation; visibility; Research and Development cooperation projects)

- Services for Politics (Knowledge Transfer; Visibility)

- Services for Investors (Contact to startups)

- Services for Citizens (Events)

The individual Science Parks as hubs can be interconnected with each other through the EELISA universities, creating a virtual EELISA Science Park. The organizational

structure is illustrated in Figure 4. This would extend the regional cooperation to an international level, further increase the competitiveness, support internationalization.

The proposed format of interconnection is flexible: regional Science Parks can be involved irrespectively to their development stages, furthermore "stand-alone" components that are not part of a Science Park can be also incorporated.

EELISA virtual Science Park – macro level of structure: network of regional Science Parks

Survey is conducted to recognize existing instruments related to Science Park-like activities and services, to analyze best practices, experiences, to highlight challenges, and to find principle services.

- Motivation, scope, needs and benefits of a Science Park are identified.

- Potential structure of Science Park is proposed. The principle services are identified.

- A proposal for the organizational structure for EELISA-wide cooperation is introduced in terms of virtual EELISA Science Park.

- Further action needs are defined for the implementation phase.

The Science Park's vision is to develop an advanced innovation ecosystem at the universities through the expansion of industrial collaborations and the enhancement of technology transfer activities, through which the institution strives to become one of the leading innovation centers of the given country. In this center, the business utilization of research results takes place effectively and at an internationally recognized standard.