

High-Level Roundtable on Schools as Living Labs: How Innovation and Collaboration Can Deliver Better Science Education and Stronger Social Moorings in an Age of Misinformation



<https://www.hel.fi/uutiset/en/kaupunginkanslia/the-new-helsinki-education-hub-turns-learning-and-education-ideas-into-innovations?pd=v>

<https://testbed.helsinki/en/edtech/augmented-reality-as-a-history-teaching-tool-on-suomenlinna/>

<https://testbed.helsinki/en/edtech/suomenlinnan-historia-heraa-henkiin-yhteiskehittamisen-keinoin-lisatty-todellisuutta-hyodyntaen/>

<https://testbed.helsinki/en/edtech/immersiivinen-xr-oppimispolku-korkeasaaren-elaintarhaan/>

<https://testbed.helsinki/en/edtech/elisan-5g-yhteytta-testataan-opetuksessa/> ja
<https://testbed.helsinki/en/edtech/new-innovative-teaching-materials-created-for-supporting-childrens-language-development/>



HELSINKI 1917



HELSINKI 2021

Policy recommendation - Promote:

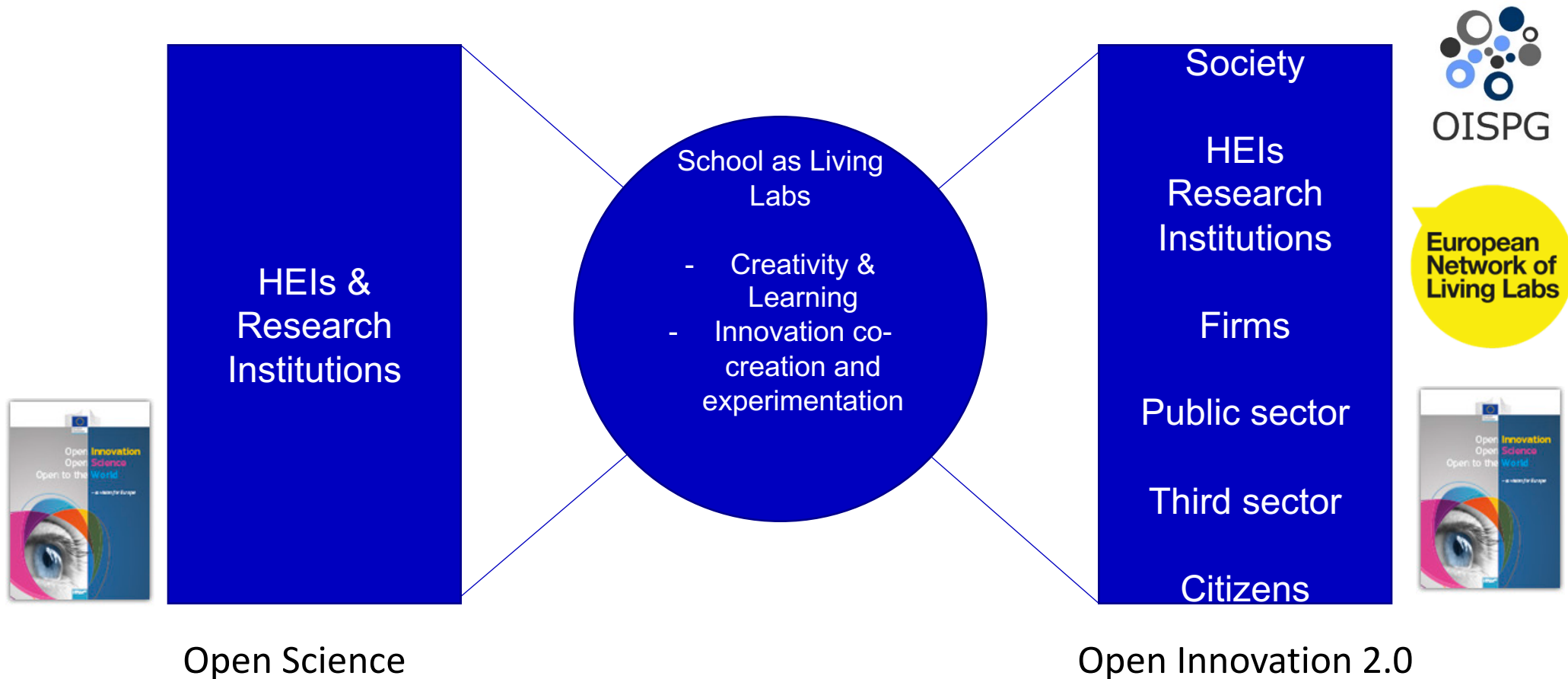
- **Orchestrated Multistakeholder Collaboration** (consider your city as a Living Lab, School as a Living Lab or Distributed Knowledge and Technology Infrastructure)
 - **Education & Learning** (incl. Teachers education)
 - **Inclusiveness** (use Citizen science)
 - **Openness** (Open Science, Open innovation, Open learning)
 - **Equality, equality, equality**

Policy recommendation: consider both the formal and informal side of collaboraiton

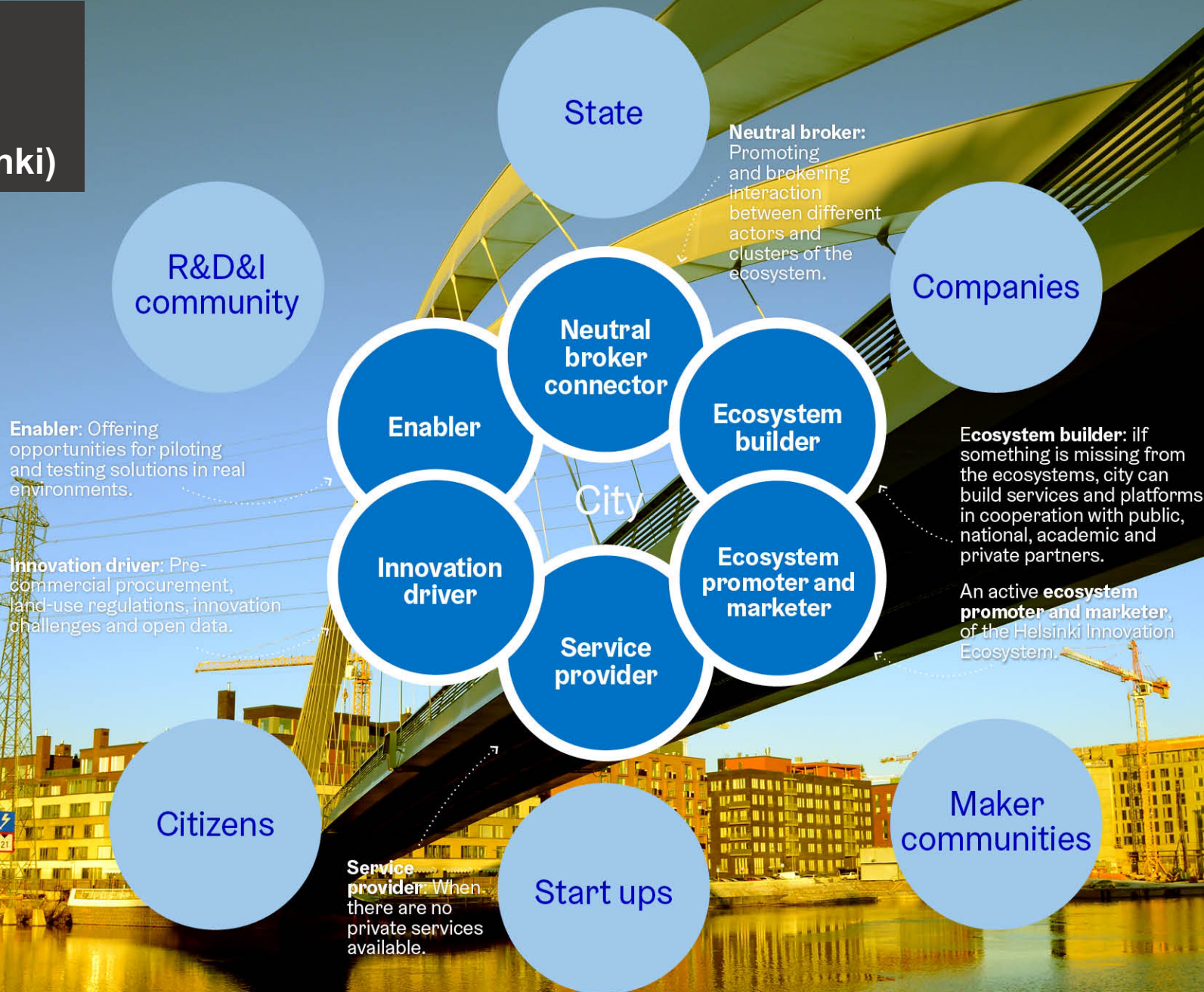
FINDINGS: FACILITATING AND HINDERING FACTORS OF MULTI-STAKEHOLDER INNOVATION CO-CREATION

FORMAL	INFORMAL
1. Strong vision	1. History of collaboration (long-term collaboration needed)
2. Governance and orchestration of multi-stakeholder innovation	2. Openness and transparency of culture and action models
3. Funding of collaboration and other shared resources	3. Personal attitudes among innovation ecosystem orchestrator and other professionals
4. Systematic and continuous monitoring (jointly designed)	4. Perception of time (varies among stakeholders)
5. Formal agreements among participating organisations	5. Commitment to common goals
6. Innovative urban planning	6. Creating conditions for growing internal motivation and genuine value among professionals
7. Regional Innovation Smart Specialisation Strategy (RIS3)	7. Trust within ecosystem
CHARACTERISTIC	
8. Concentration of specialists, ecosystem critical mass, and location	

Policy recommendation. Promote: Open Science, Citizen Science, Open Innovation 2.0 to create STEM learning opportunities and enhance motivation



**Policy
recommendation:
The roles
of the City (Helsinki)**



Policy recommendation. Create methods, rules and protocols for accelerated joint co-creation and experimentation of schools and companies (case KYKY Living Lab)



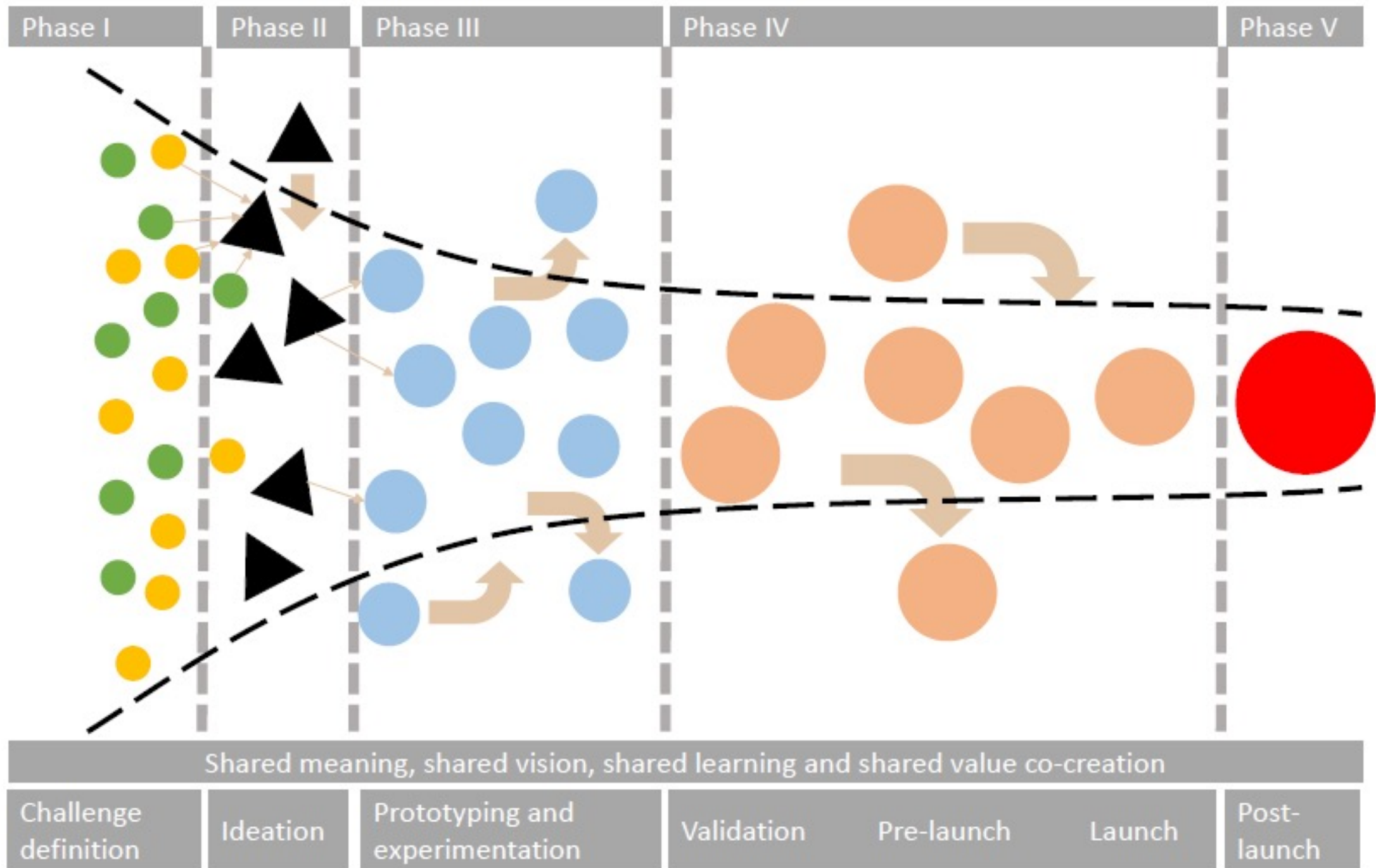
The City of Espoo has opened its schools to companies and communities for use as development platforms. This means that teachers and pupils participate in the testing and development of new products and services. The activities are referred to as accelerated co-creation of schools and companies, or KYKY. The principles of KYKY are summed up in the [KYKY Living Lab Handbook](#).



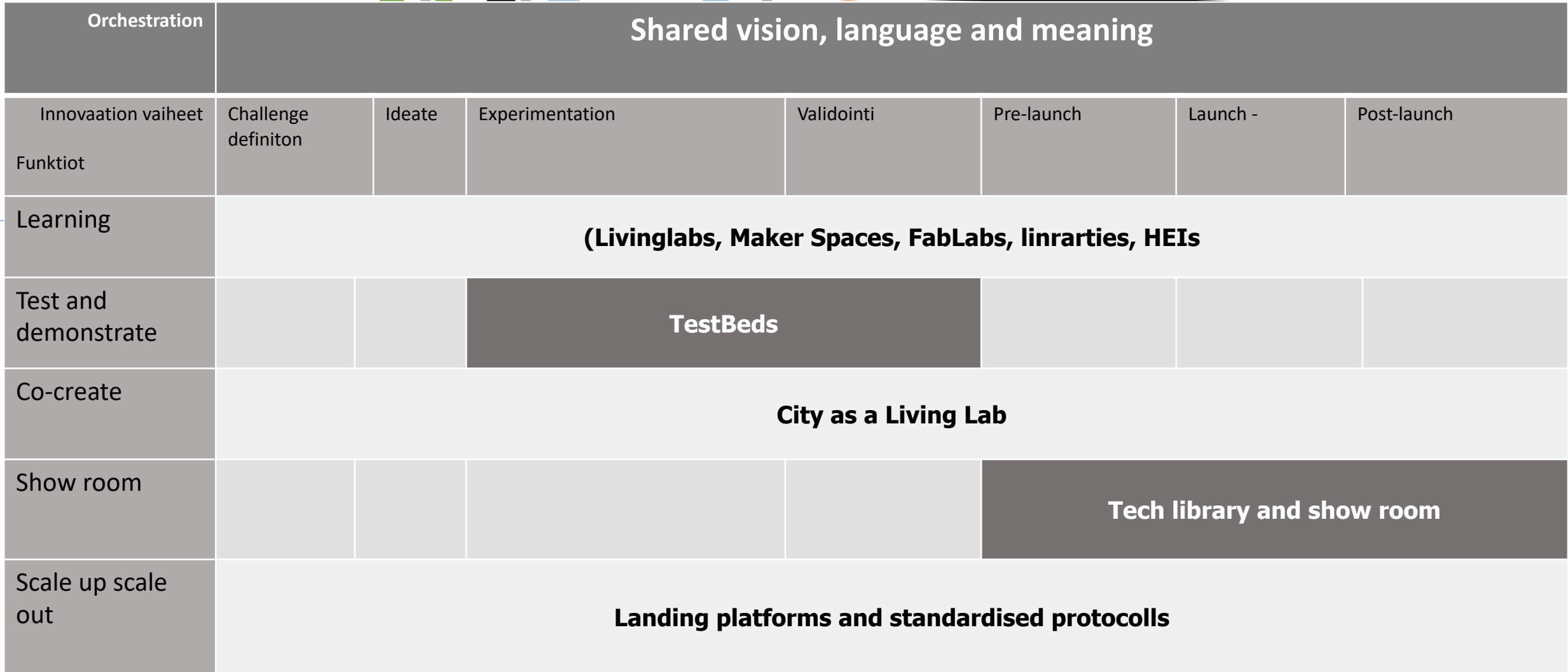
KYKY activities have already created new vitality to Espoo in the form of new services, business activities and jobs. The participating companies get a reference from the City of Espoo, which has increased the market value of products and helped several companies reach international markets.



KYKY activities started in Espoo's Finnish education. Today, they also involve the city's early childhood education, Swedish education and Swedish early childhood education



O12, 4Helix, Living Labs, Mode2.0, Entrepreneurial university



Mission.

Our mission is to help people, public sector, researchers, and companies solve systemic and shared problems together by enhancing collaboration, openness and inclusivity.

Values.

Collaboration, inclusivity, trust, and openness.

Vision.

Our vision is to be a pioneer in co-creation orchestration and to raise general awareness about co-creation, open innovation, and open science.

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