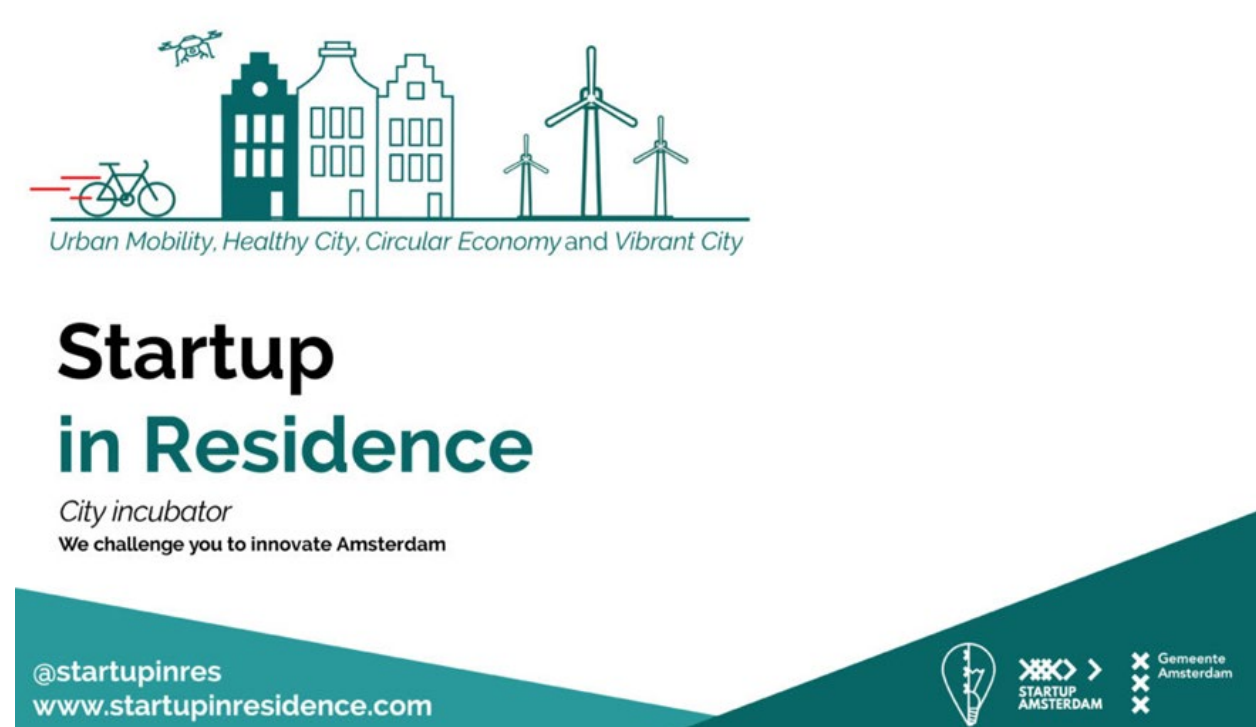


Entrepreneurial Ecosystems for Just Transitions

5th Just Transition Platform Meeting: 11 May 2022
Let's start up – SMEs and entrepreneurship as drivers of just transition

Erik Stam





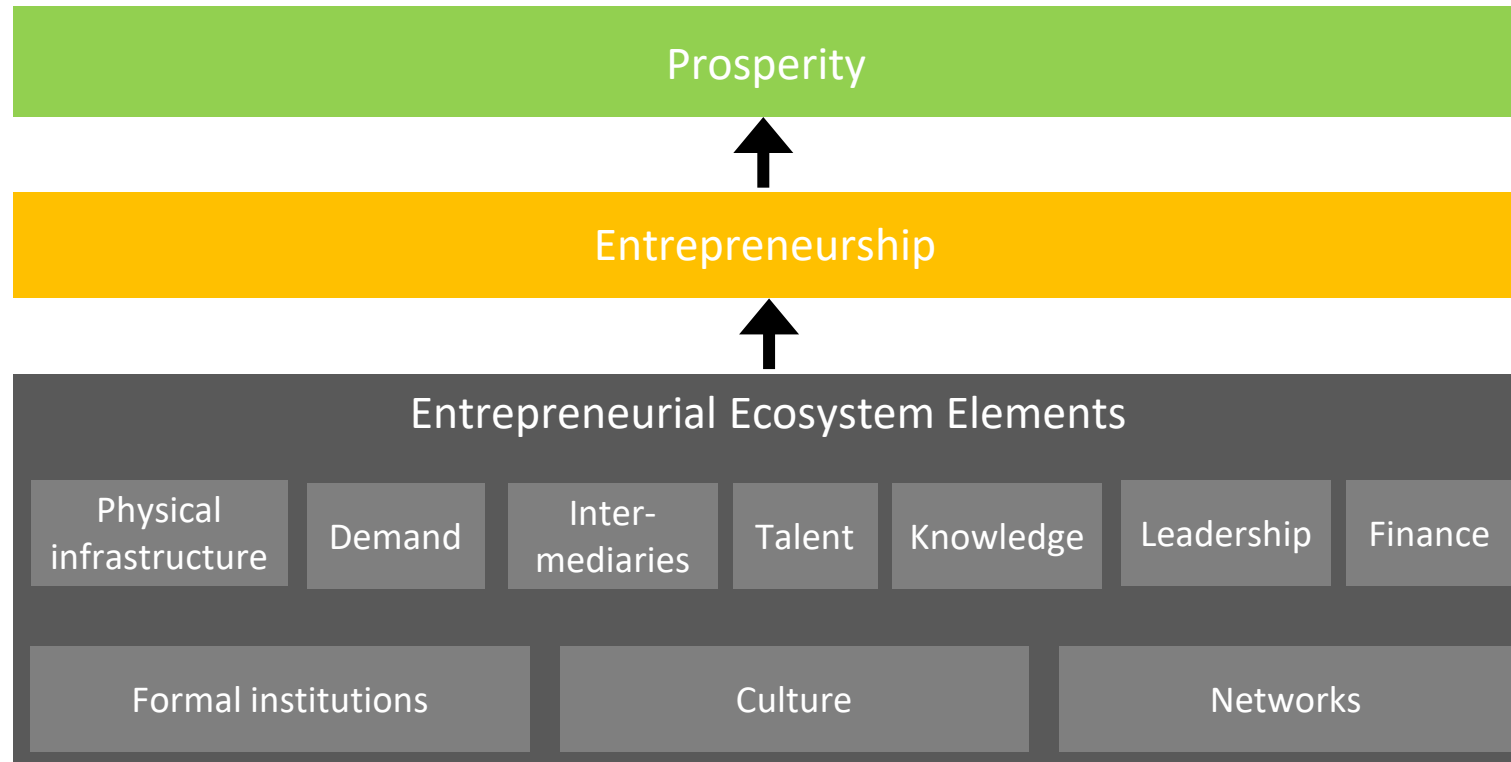


Entrepreneurial Ecosystem

- a set of **interdependent** actors and factors governed in such a way that they enable **productive entrepreneurship** within a particular territory (Stam 2015; Stam & Spigel 2018)

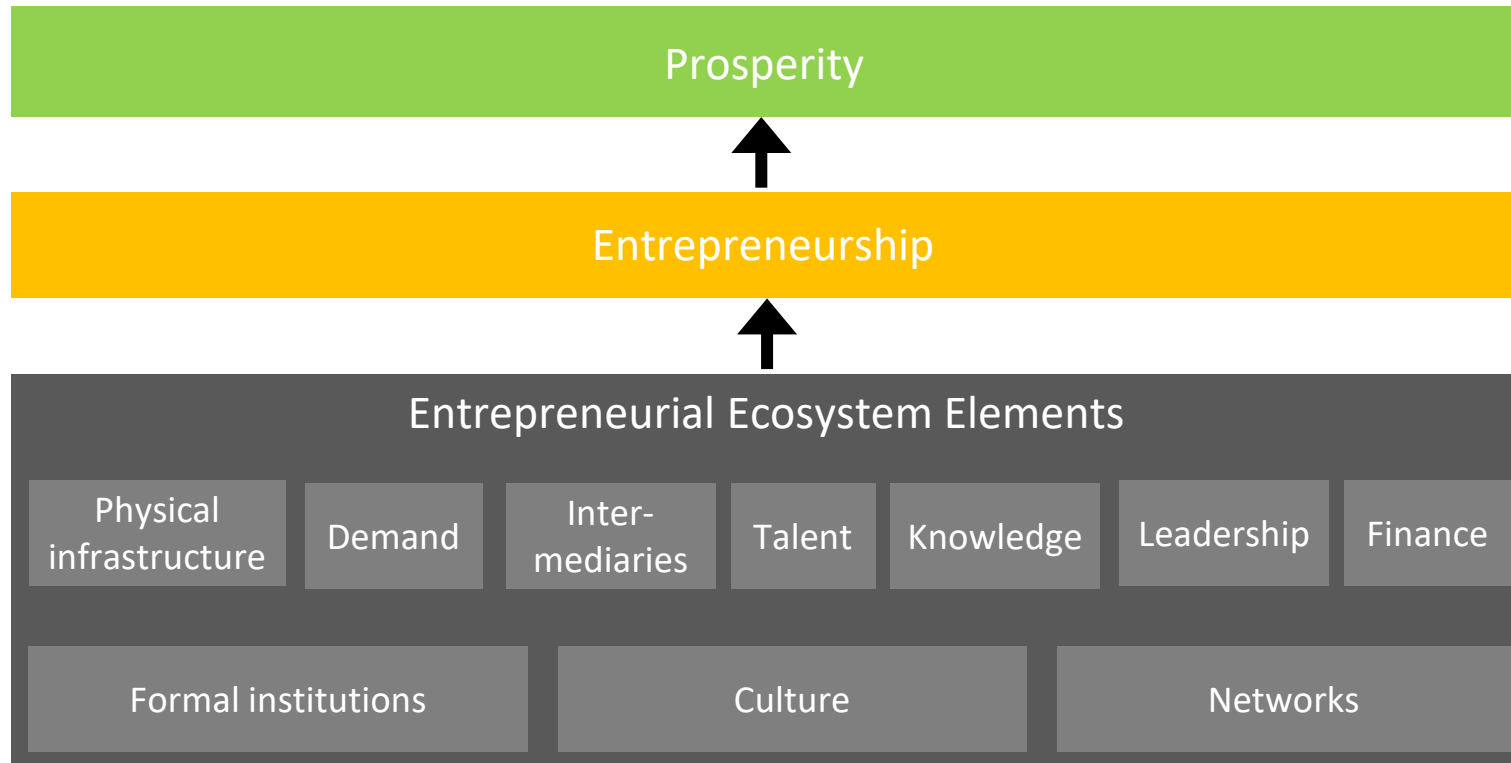
Entrepreneurial Ecosystem

Framework for analysis and action

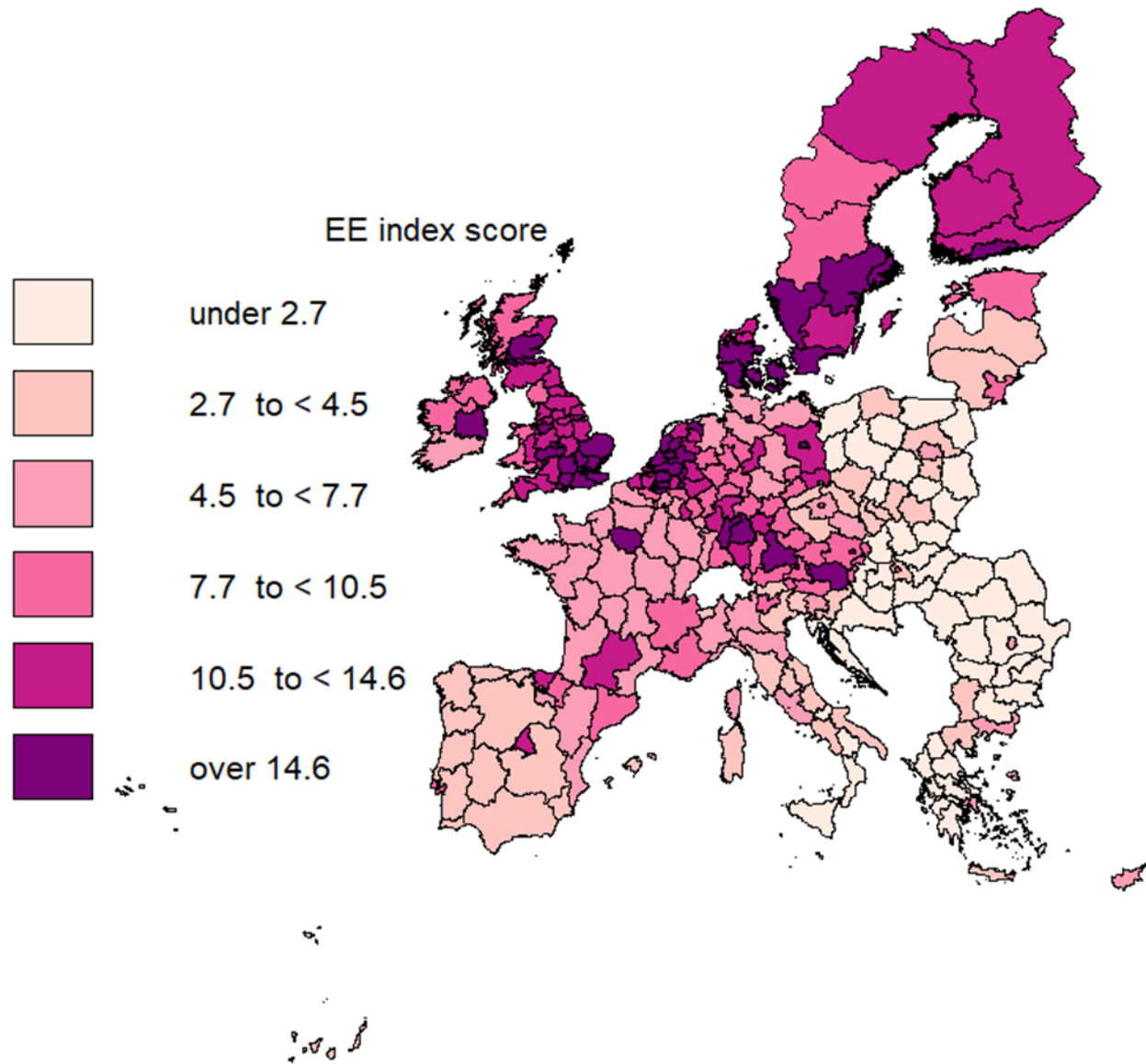




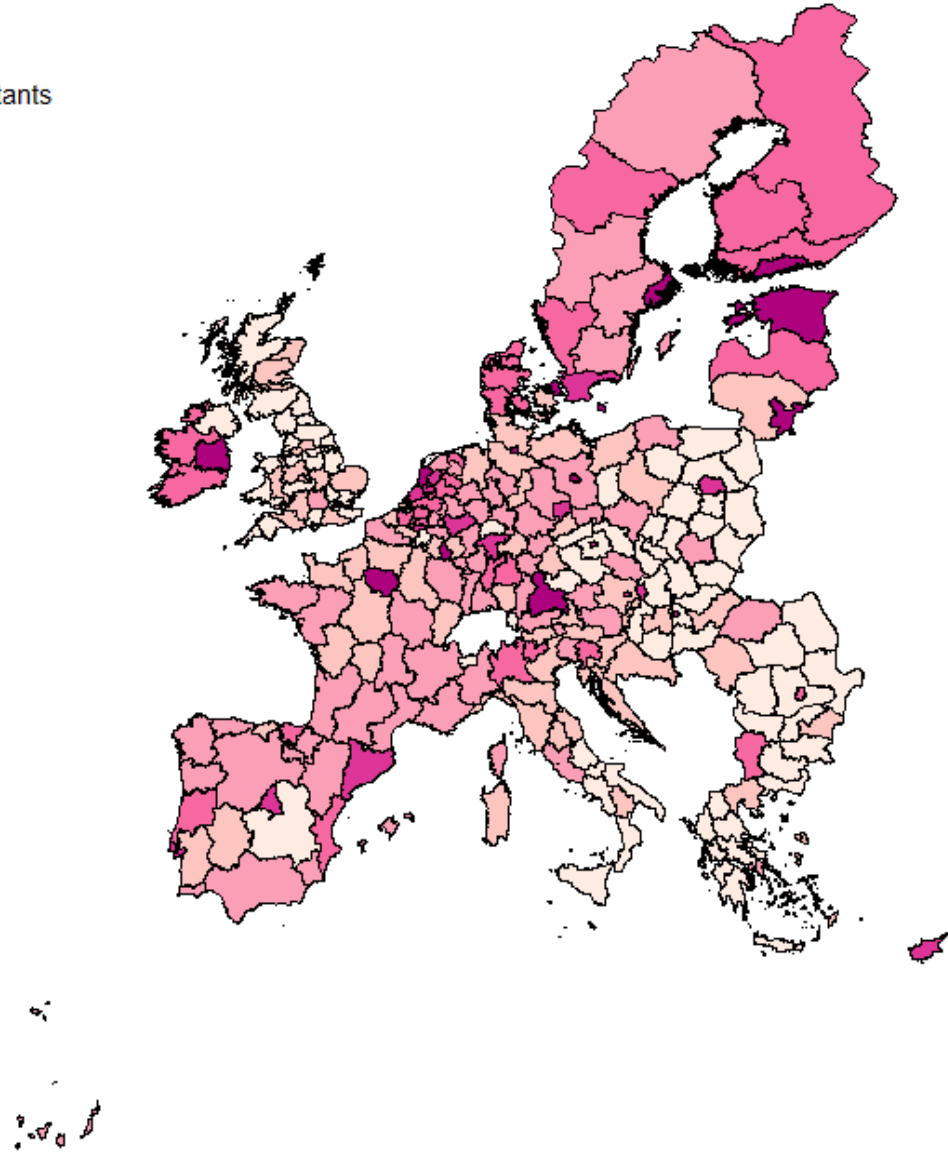
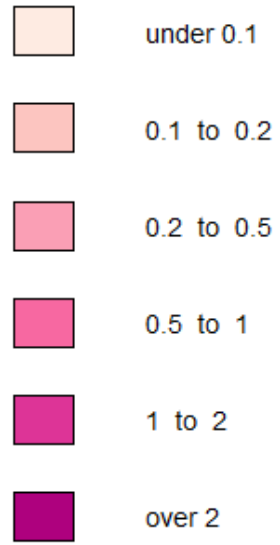
SUSTAINABLE DEVELOPMENT GOALS

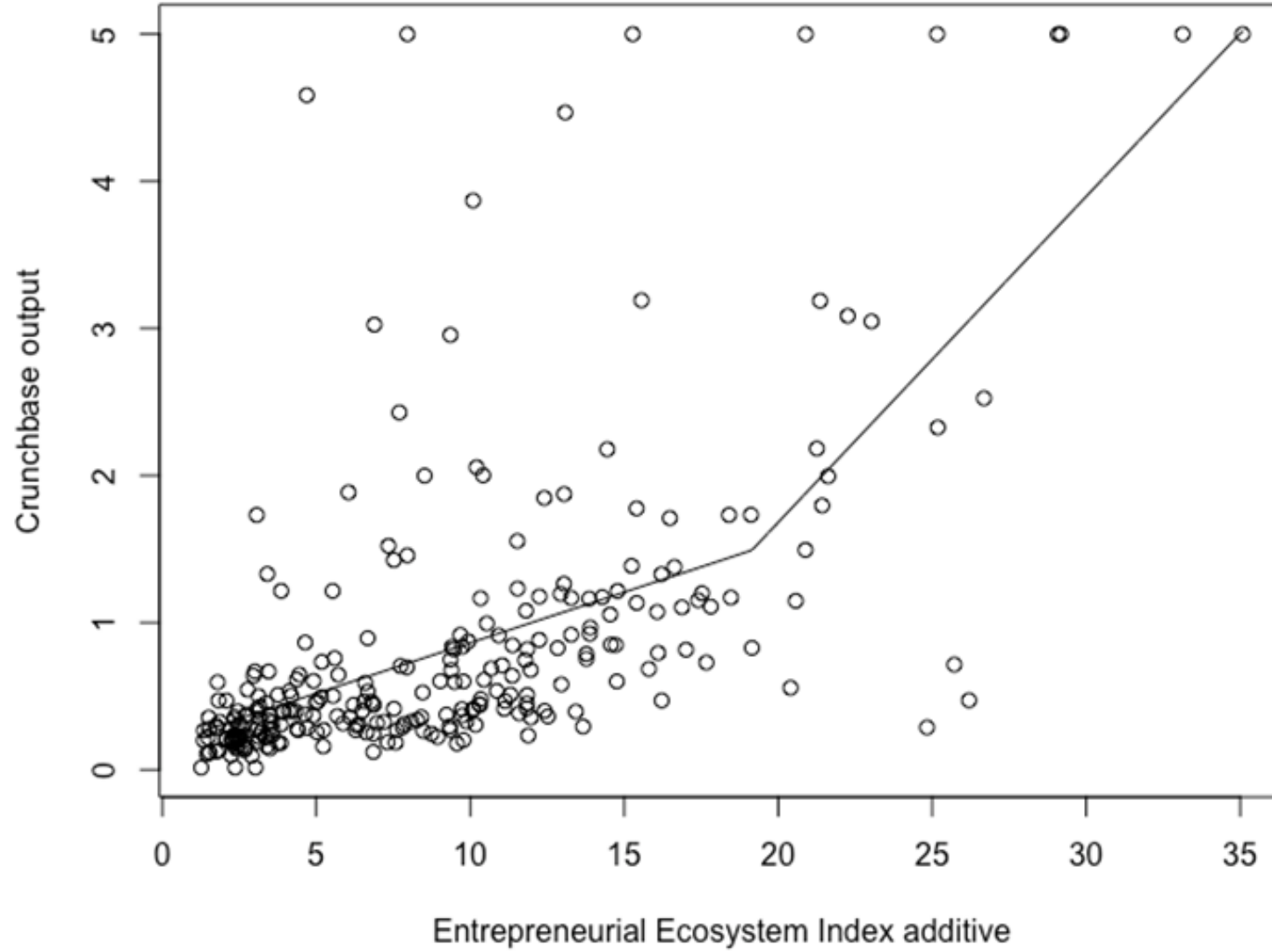


Elements	Description	Empirical indicators	Data source
Formal institutions	The rules of the game in society	Two composite indicators measuring the overall quality of government (consisting of scores for corruption, accountability, and impartiality) and the regulatory framework for entrepreneurship (number of days to start a business, difficulties encountered when starting a business, the barriers to entrepreneurship and the ease of doing business)	Quality of Government Survey and the Regional Ecosystem Scoreboard
Entrepreneurship culture	The degree to which entrepreneurship is valued in a region	A composite measure capturing the regional entrepreneurial culture, consisting of entrepreneurial motivation, cultural and social norms, importance to be innovative and trust in others	Regional Ecosystem Scoreboard
Networks	The connectedness of businesses for new value creation	Percentage of SMEs that engage in innovative collaborations as a percentage of all SMEs in the business population	Regional Innovation Scoreboard
Physical Infrastructure	Transportation infrastructure and digital infrastructure	Four components in which the transportation infrastructure is measured as the accessibility by road, accessibility by railway and number of passenger flights and digital infrastructure is measured by the percentage of households with access to internet	Regional Competitiveness Index
Finance	The availability of venture capital and bank loans to firms	Two components: availability of venture capital, availability of bank loans for capital investments	Regional Ecosystem Scoreboard
Leadership	The presence of actors taking a leadership role in the ecosystem	The number of coordinators on H2020 innovation projects per 1000 inhabitants	CORDIS (Community Research and Development Information Service)
Talent	The prevalence of individuals with high levels of human capital , both in terms of formal education and skills	Eight components: tertiary education, vocational training, lifelong learning, innovative skills training, entrepreneurship education, technical skills, creative skills, e-skills	Regional Ecosystem Scoreboard
New Knowledge	Investments in new knowledge	Intramural R&D expenditure as percentage of Gross Regional Product	Eurostat
Demand	Potential market demand	Three components: disposable income per capita, potential market size expressed in GRP, potential market size in population. All relative to EU average.	Regional Competitiveness Index
Intermediate services	The supply and accessibility of intermediate business services	Two components: the percentage of employment in knowledge-intensive market services and the percentage of incubators/accelerators per 1000 inhabitants	Eurostat and Crunchbase
Output	Entrepreneurial output	The number of Crunchbase firms founded in the past 5 year per 1000 inhabitants	Crunchbase
	Unicorn output	The absolute number of unicorns in the region	CB Insights



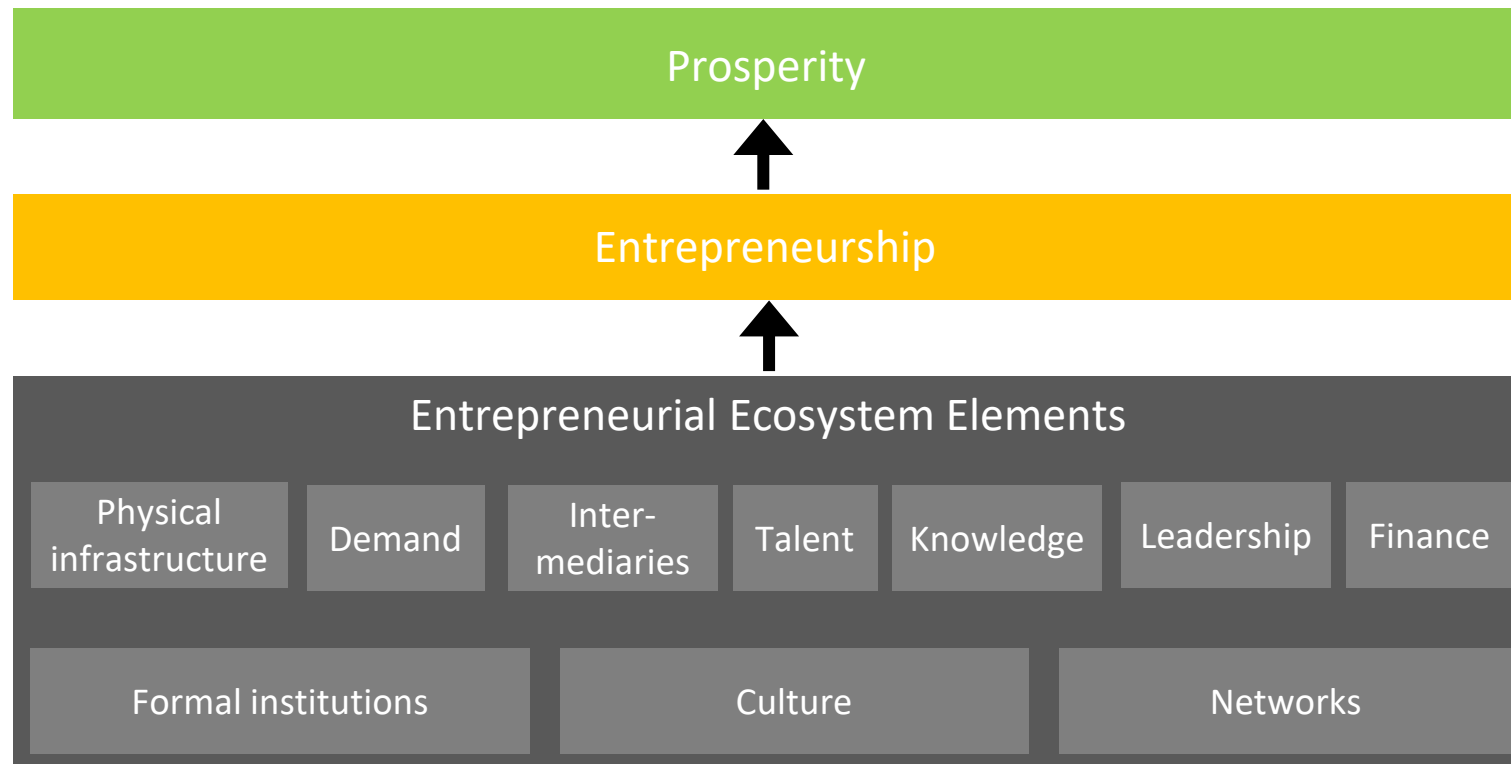
Start-ups per 10,000 inhabitants

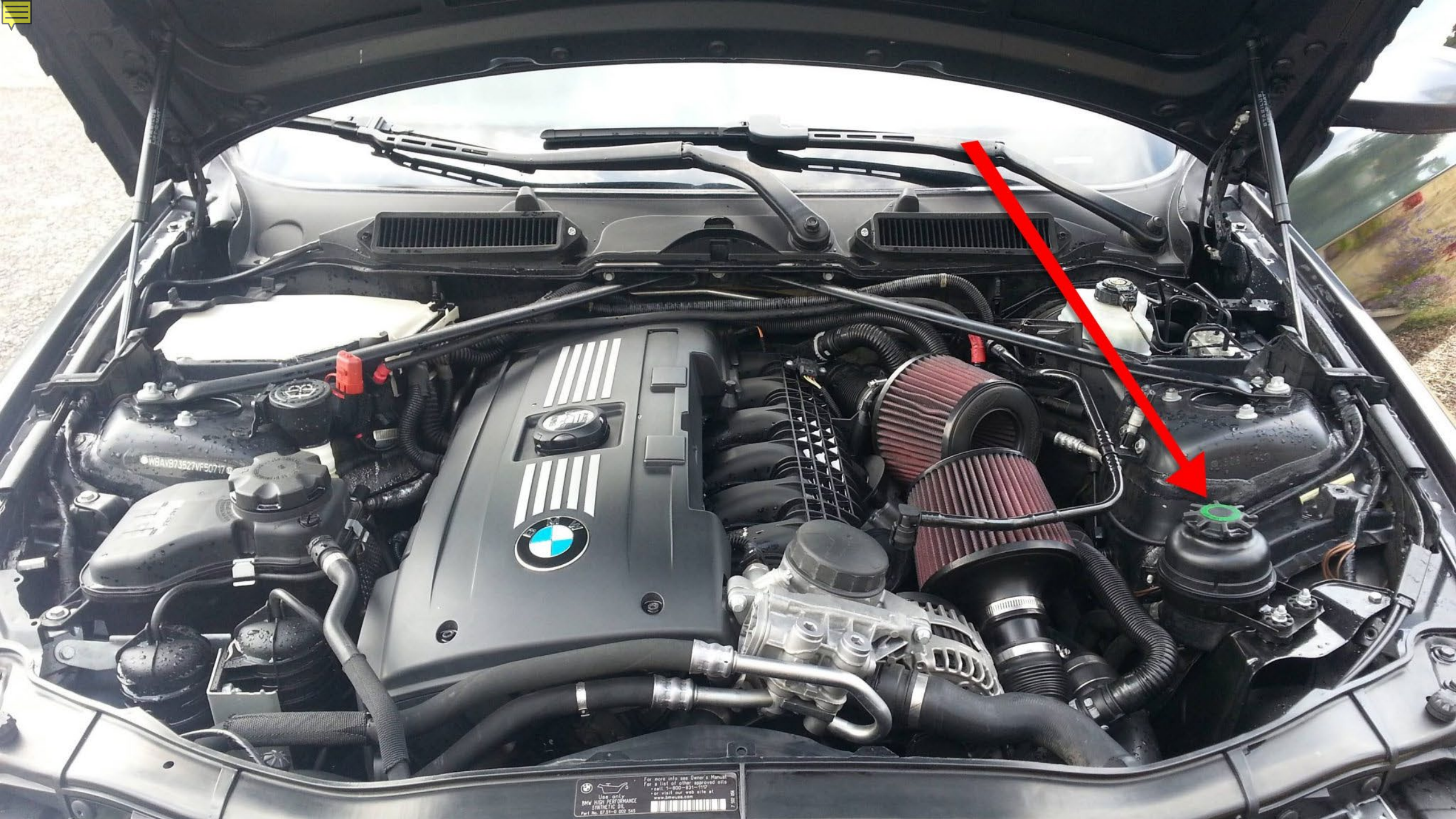




Entrepreneurial Ecosystem

Framework for analysis and action





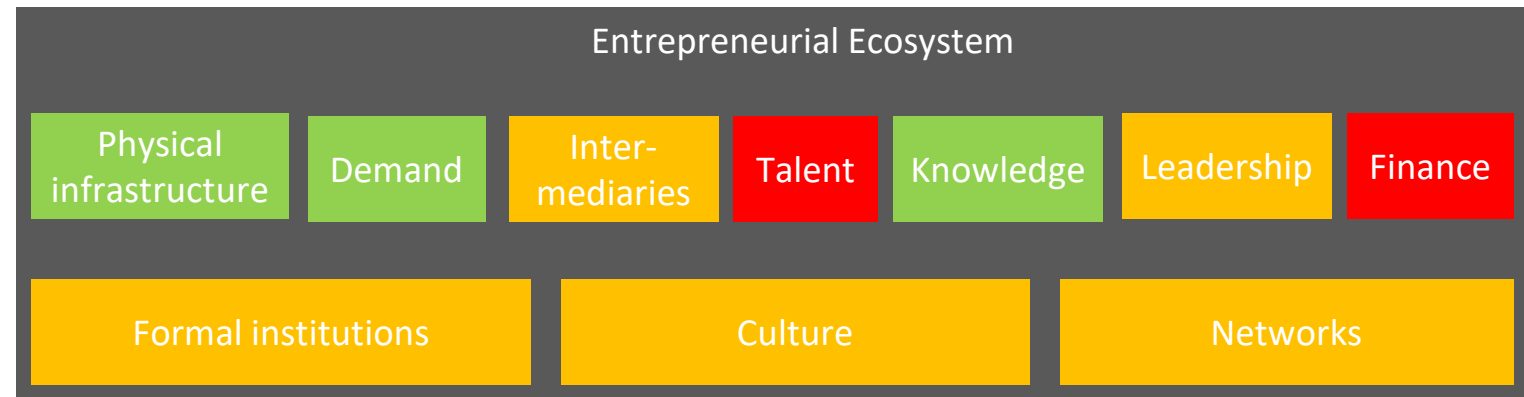
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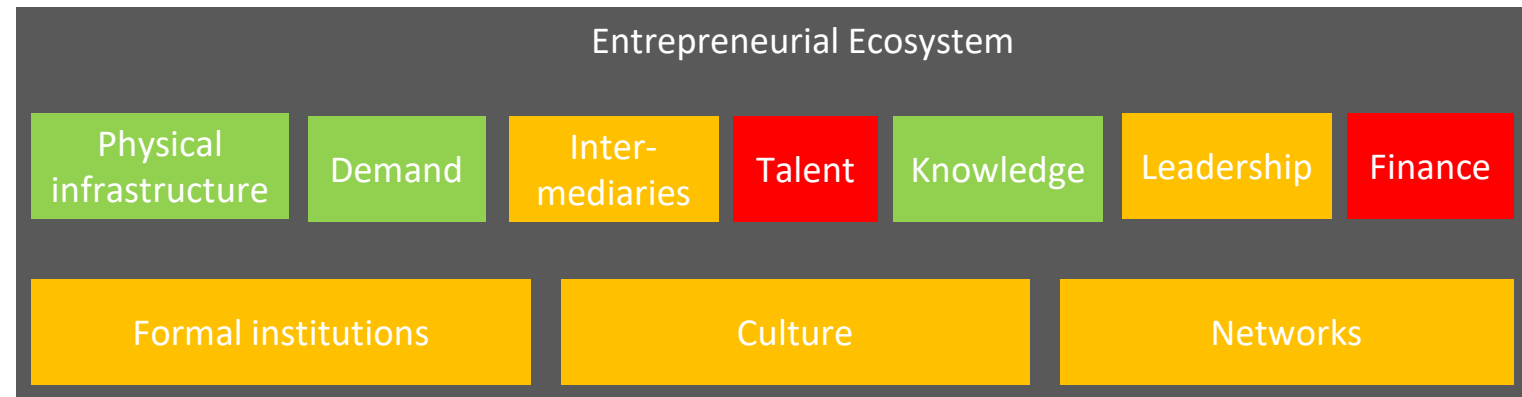
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Diagnosis & Evaluation

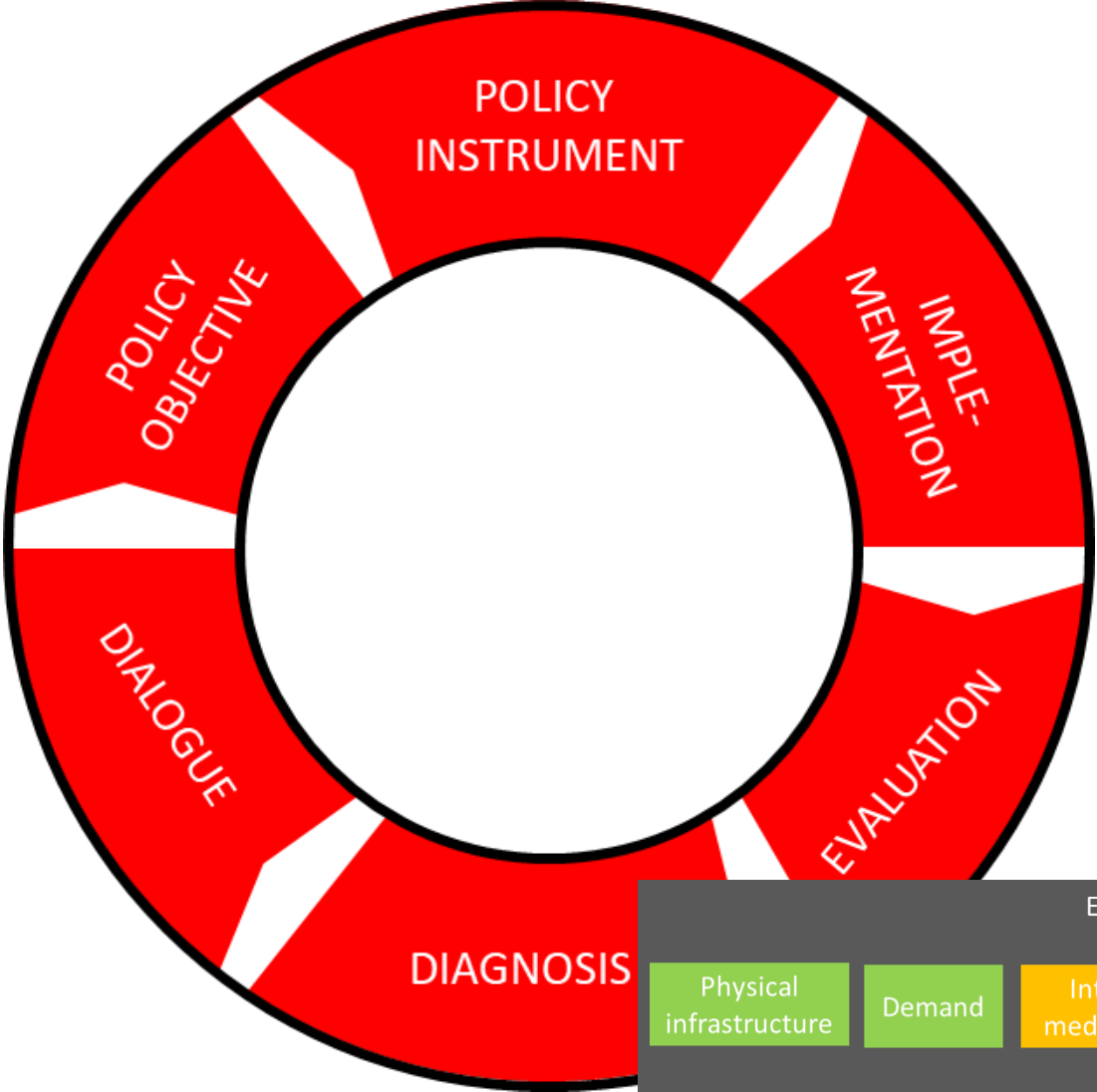


Diagnosis & Evaluation



Prioritize ecosystem interventions that enable entrepreneurship to achieve particular transitions:
e.g. public procurement, impact investing, regulations, skills development

Collective Learning Process to Improve **your Economy**



Entrepreneurial Ecosystem

Physical infrastructure	Demand	Intermediaries	Talent	Knowledge	Leadership	Finance
Formal institutions		Culture		Networks		

Further reading

- Stam, E. (2015). Entrepreneurial ecosystems and regional policy: a sympathetic critique. *European Planning Studies*, 23(9), 1759-1769. <http://utrechtce.nl/wp-content/uploads/2015/08/Stam-2015-Entrepreneurial-Ecosystems-and-Regional-Policy-a-sympathetic-critique.pdf>
- Stam, E., & Van de Ven, A. (2021). Entrepreneurial ecosystem elements. *Small Business Economics*, 56, 809–832. <https://lnkd.in/gRSBCdn>
- Wurth, B., Stam, E., & Spigel, B. (2022). Toward an entrepreneurial ecosystem research program. *Entrepreneurship Theory and Practice* <https://doi.org/10.1177%2F1042258721998948>
- Leendertse, J., Schrijvers, M. & Stam, E. (2022) Measure twice, cut once. Entrepreneurial Ecosystem Metrics. *Research Policy* <https://doi.org/10.1016/j.respol.2021.104336>
- Schrijvers, M., Stam, E., & Bosma, N. (2021) Figuring it out: configurations of high-performing entrepreneurial ecosystems in Europe, USE Working Paper series, 21(05). https://www.uu.nl/sites/default/files/REBO_USE_WP_21-05.pdf
- Schrijvers, M., Bosma, N. & Stam, E. (2022) Entrepreneurial Ecosystems and Structural Change in European Regions. USE Working Paper series, 22(02) https://www.uu.nl/sites/default/files/LEG_USE_WP-22-02.pdf

Further watching



- <https://www.uu.nl/en/organisation/centre-for-entrepreneurship/for-students/minicourse-introduction-in-entrepreneurial-ecosystems>

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