Building Successful Innovation Ecosystems

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We have to handle "normal business", while at the same time challenging existing business models through radical change:

- Optimize existing operations
- Transform the organisation to create value through new innovations
- Participate in system shifts that require collaboration on a whole new level

We need to be part of “Knowledge Innovation Communities”

Sweden is the Innovation Leader in Europe

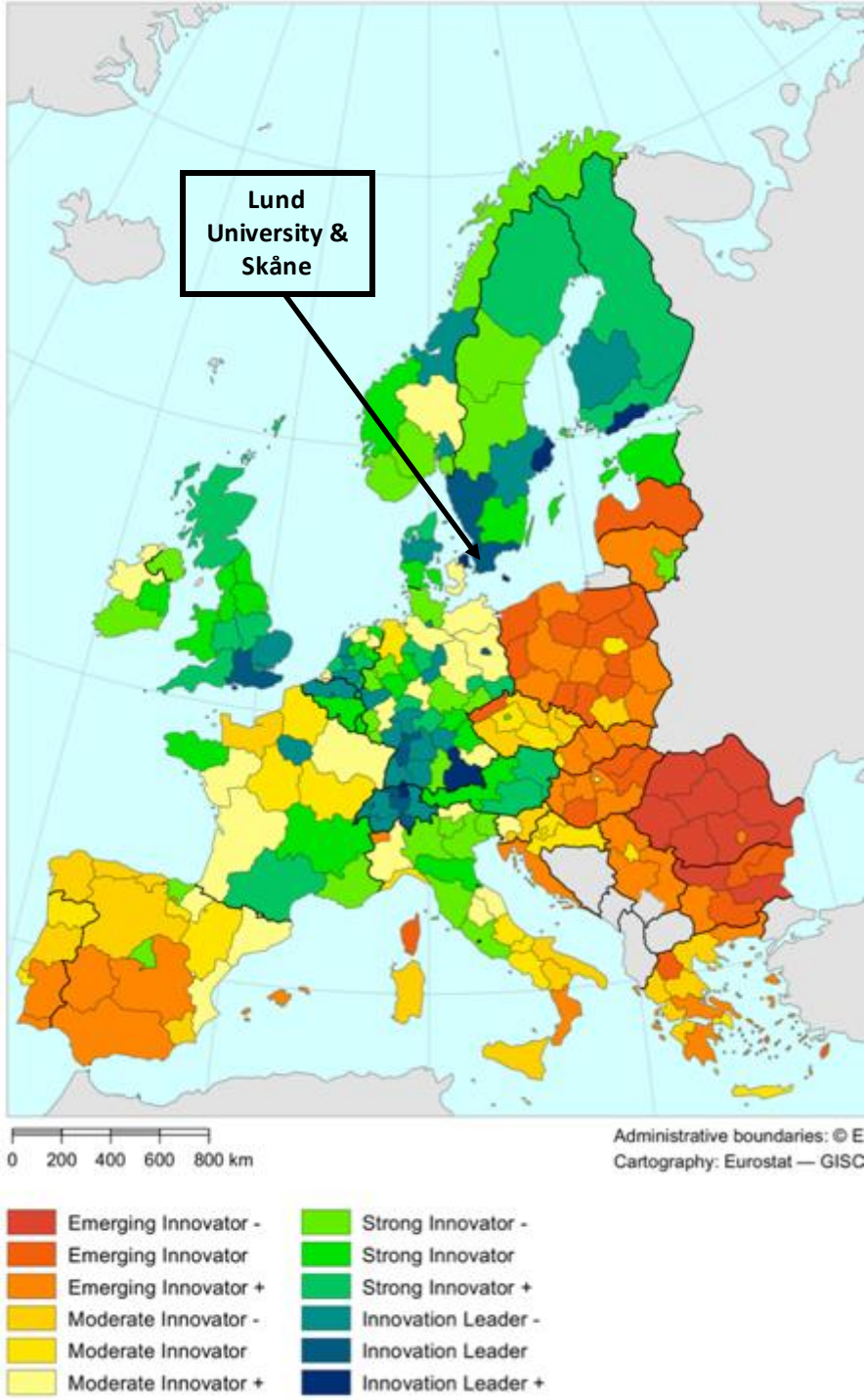
The Region of Skåne – Nr 9 in Europe

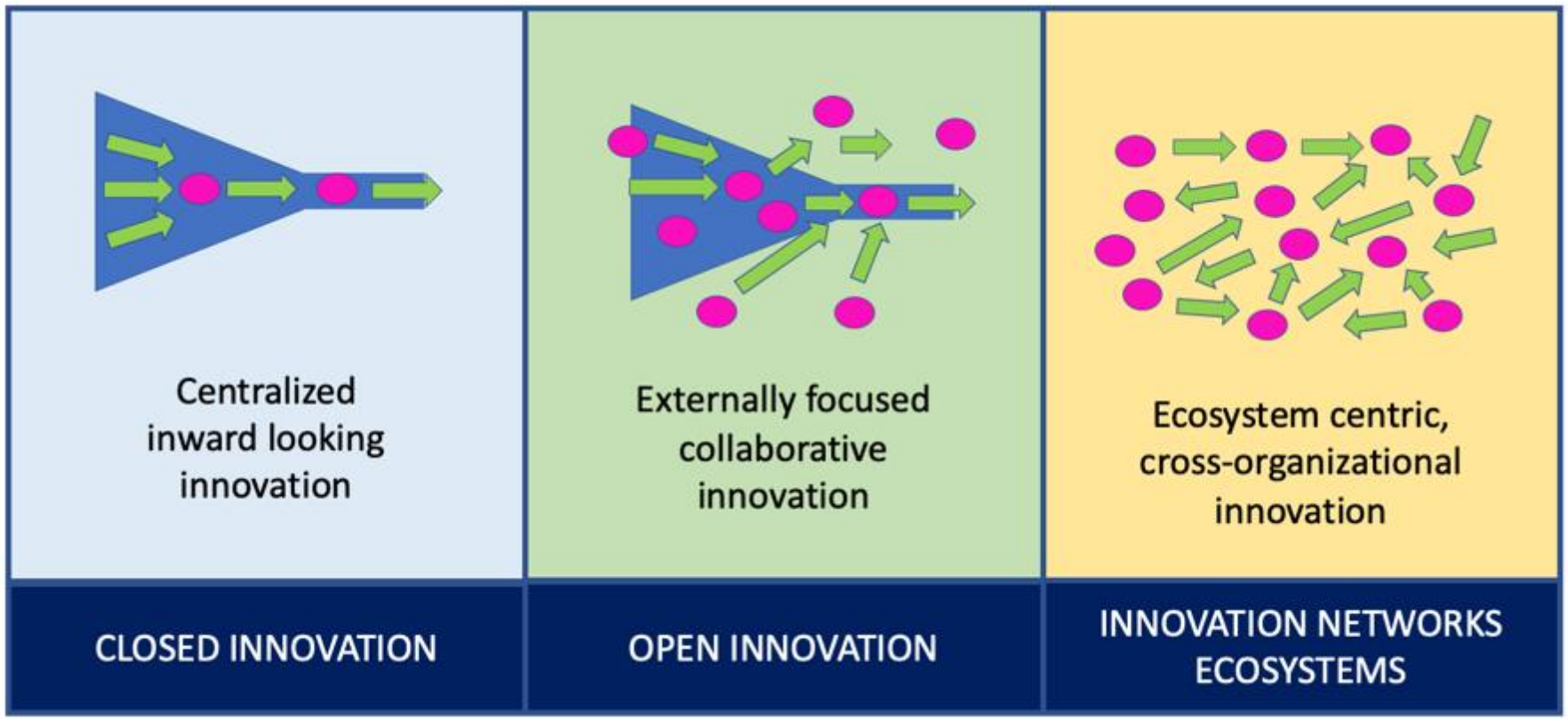
We have developed a unique regional Innovation support system for over 40 years

The strongest innovation dimensions are:

- Human Resources
- Attractive research and teaching systems
- Innovation-friendly environment

We have a mature innovation ecosystem that we are now developing by exploring a Multi-stakeholder Governance model through a joint (Industry/Society/University) innovation platform ”Future by Lund”.

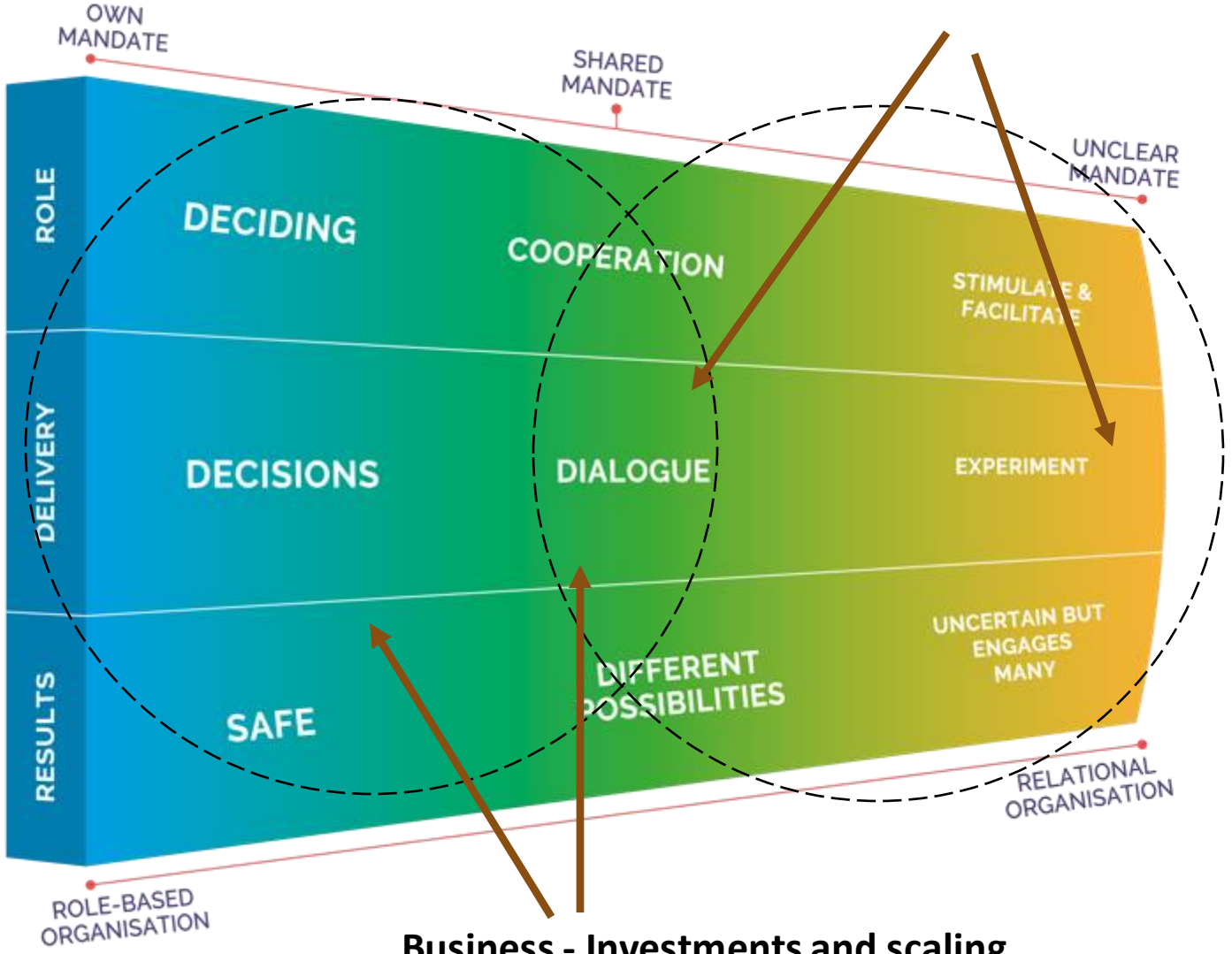




The Evolution of Innovation

Source: EU Open Innovation and Policy Group2013

Innovation – milling and prof-of-concept (YELLOW ZONE + GREEN ZONE)



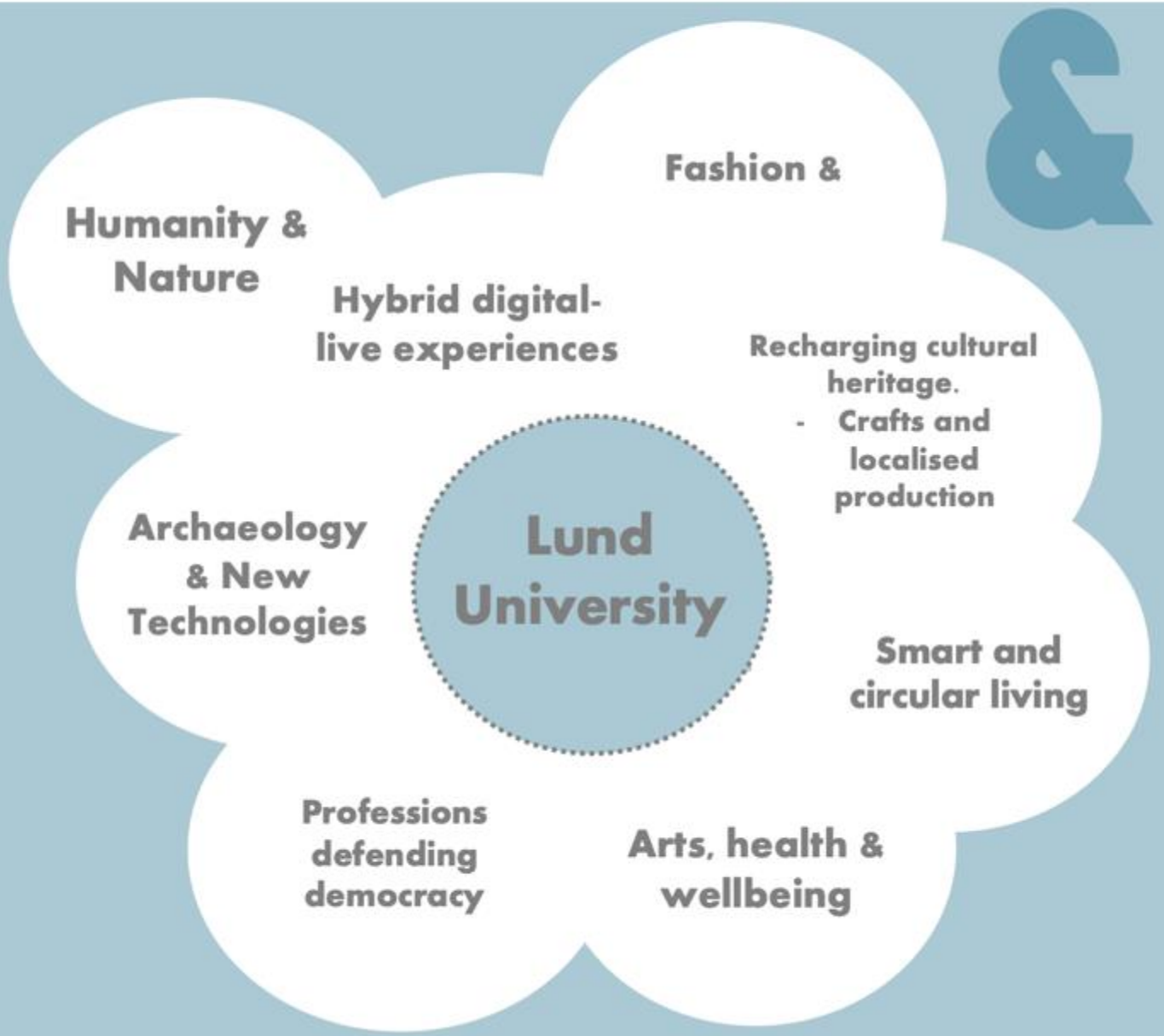
Business - Investments and scaling
(BLUE ZONE + GREEN ZONE)

(YELLOW ZONE - Multistakerholder
Mission, shared space, neutrality, transparency and creating relations for coming partnerships.
Open and exploring, testing, creating experiments. Seeding.

(GREEN ZONE) - Partnership
Conceptualisation and consortia's in connection to interests - specific projects and partnerships.
Project funding, start-ups

(BLUE ZONE) – Own organisation
Investments and scaling. Business driven or internal organisational development.
Investment logic and scaling

Innovation Areas – Exploring connections – challenges and partners



DIRECTED

Shaping / Top-Down

Reaching goals for Big Impact

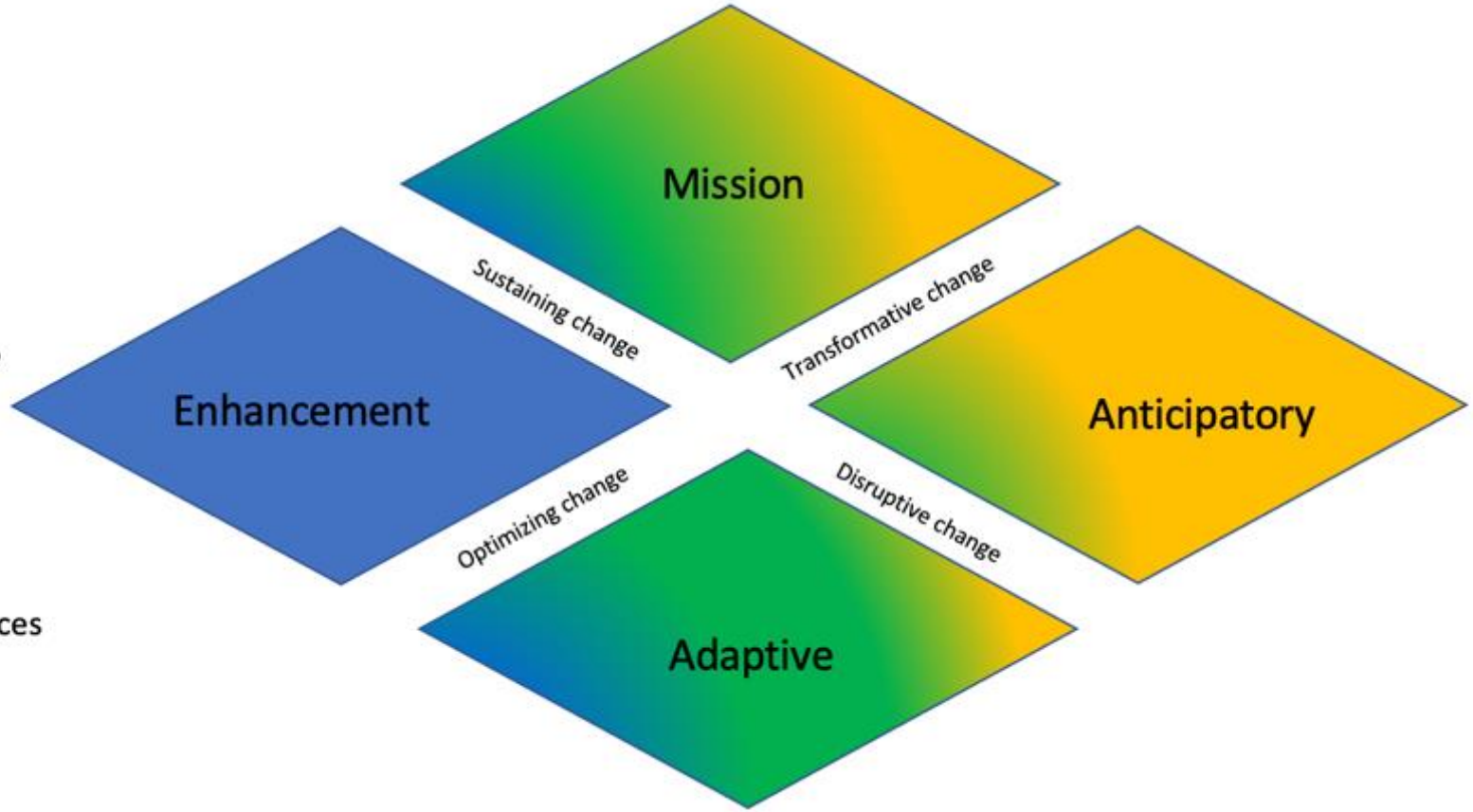
Example: Climate goals, KIC CCSI, New European Bauhaus, Erasmus +, National + Regional + Local

CERTAINTY

Exploiting / Incremental

Same but better, scaling, implementing, growth

Example:
Sharing infrastructure
City planning, culture
Business improvement
Better, faster, less resources



UNCERTAINTY

Exploring / Radical

Emerging questions shaping the future.
Possible radical changes.

Example:
Climate change
Development sensors & IOT
Business modelling
New stories
Sharing platforms

UNDIRECTED

Responding / Bottom-Up

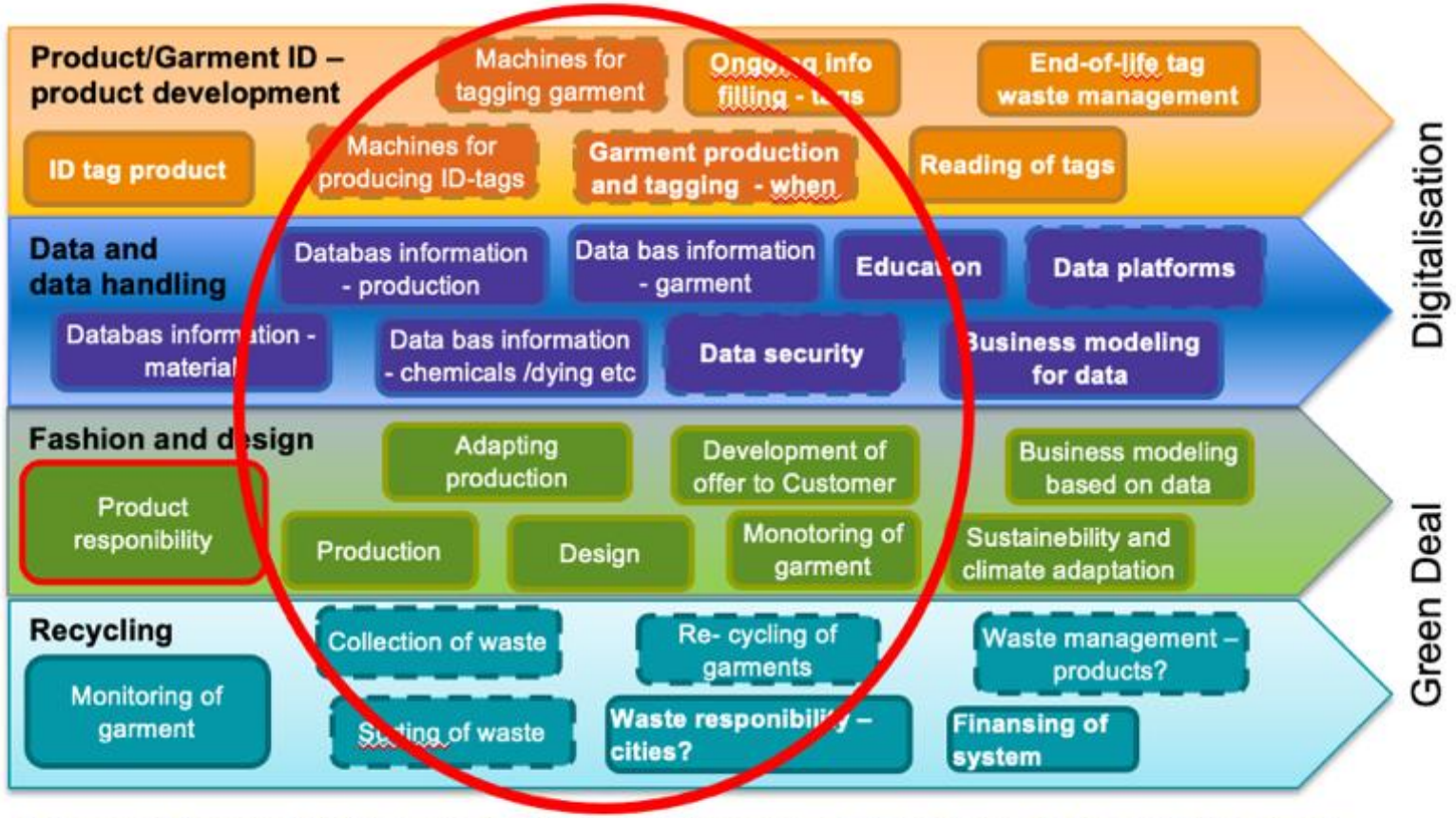
Driven by external changes, small, big and sometimes unexpected

Example: Digitalisation, Electricity shortage, material, New logistics patterns, Covid, Ukraine

Transforming the textile and fashion industry

Example: EU Product Passport Directive (product ID)

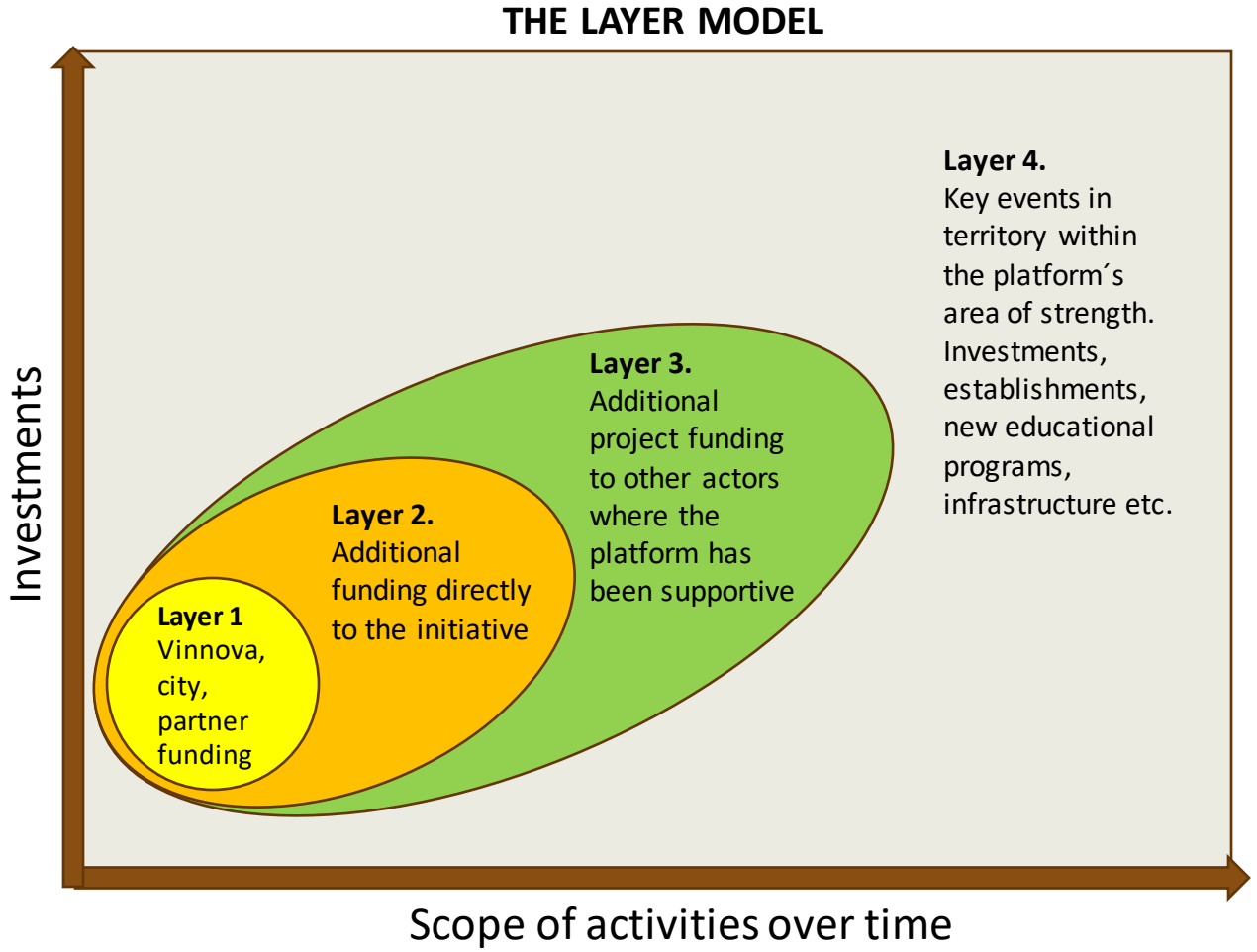
The new directive/mission impacts different stakeholders and policy areas.



A passport for products is connected to **product responsibility** but needs the ability to create the ID and fill it information to work. To do this new policies are needed but also adaptation and interpretation of existing policies.

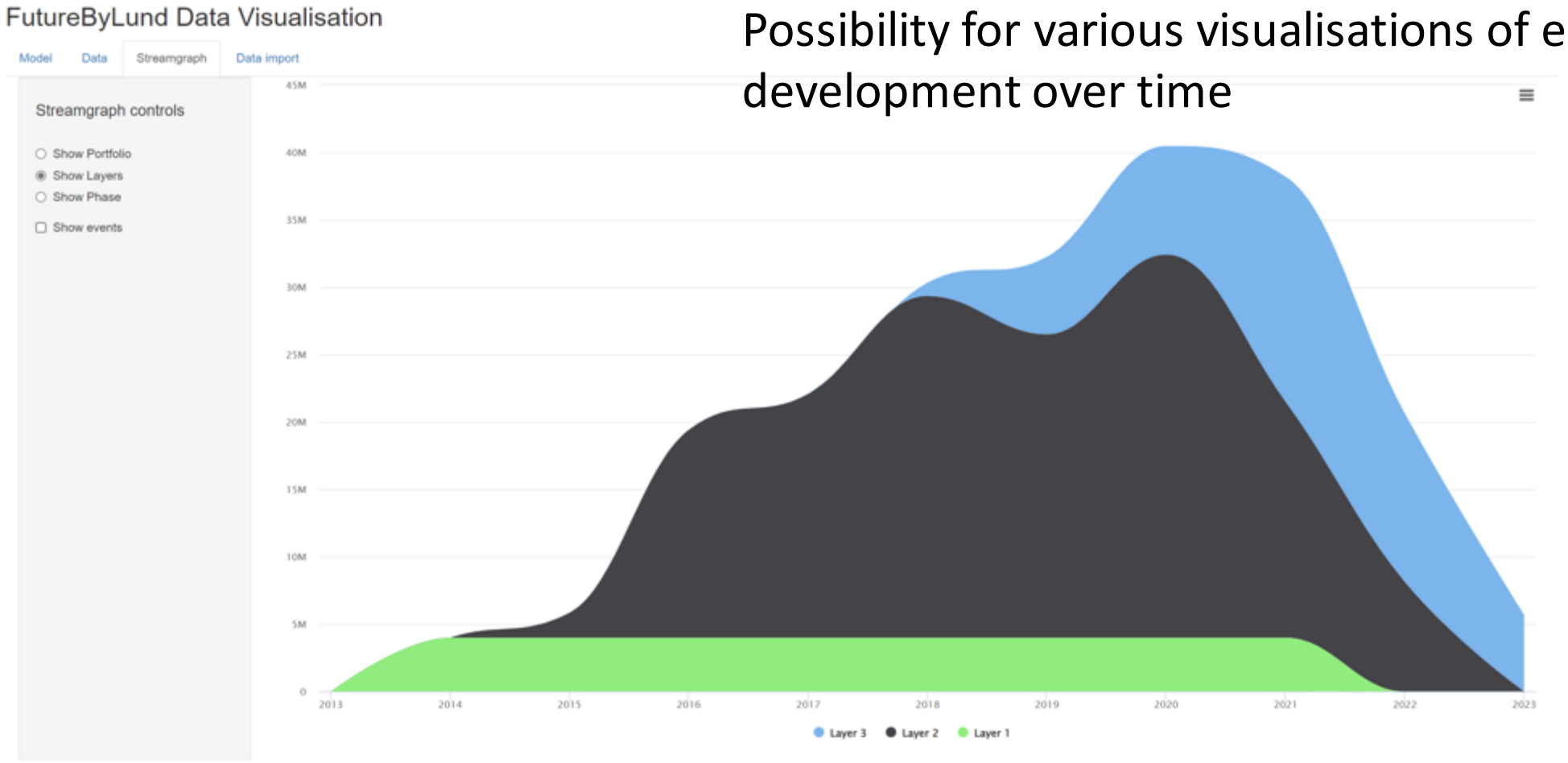
How to evidence system transformation

- The ”layer model” (from Vinnväxt annual reporting) is a way to track leverage and ”ripple effects” of collaborative action in an innovation ecosystem
  - **Project investments** of collaboration partners are a proxy for innovation investments more broadly
  - Documentation of **important events** is a way of evidencing the ripple effects of project activities and how the collaborative initiative has contributed to system change
- Following this information over time shows…
  - The main funders and actors involved in innovation projects – a sign of collective action and development of the innovation ecosystem
  - Accumulated investments and events/ripple effects over time provides a story of how the collaborative initiative has contributed to system-level transformation



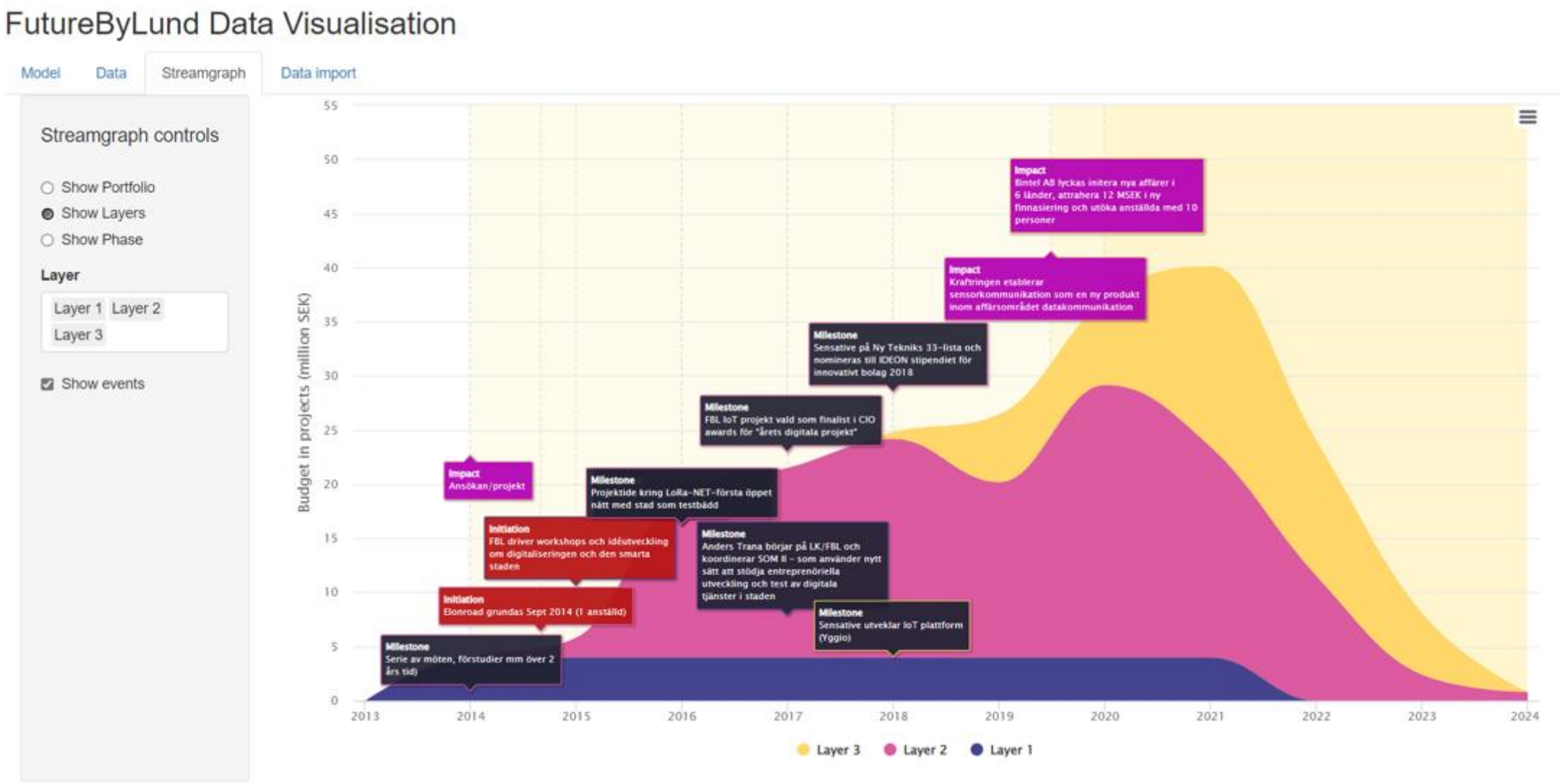
See: Wise, Eklund, Smith and Wilson (2022). ”A participatory approach to tracking system transformation in clusters and innovation ecosystems – Evolving practice in Sweden’s Vinnväxt programme” in *Research Evaluation*, 31 (2): 271-287. https://doi.org/10.1093/reseval/rvac006

Tracking innovation portfolios over time

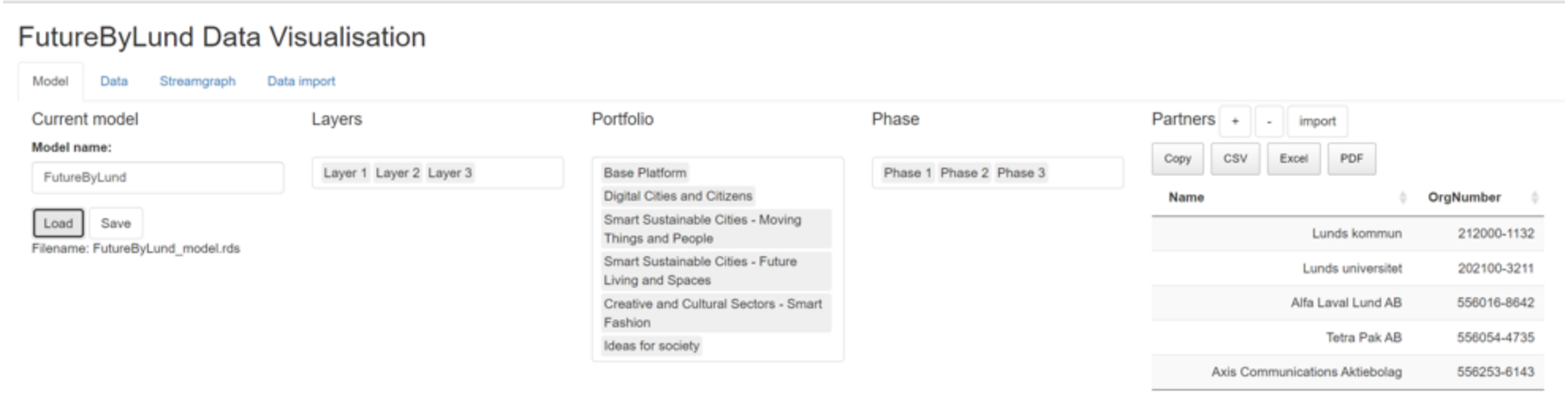


Possibility for various visualisations of ecosystem development over time

Including ’critical events’ that have contributed to development over time

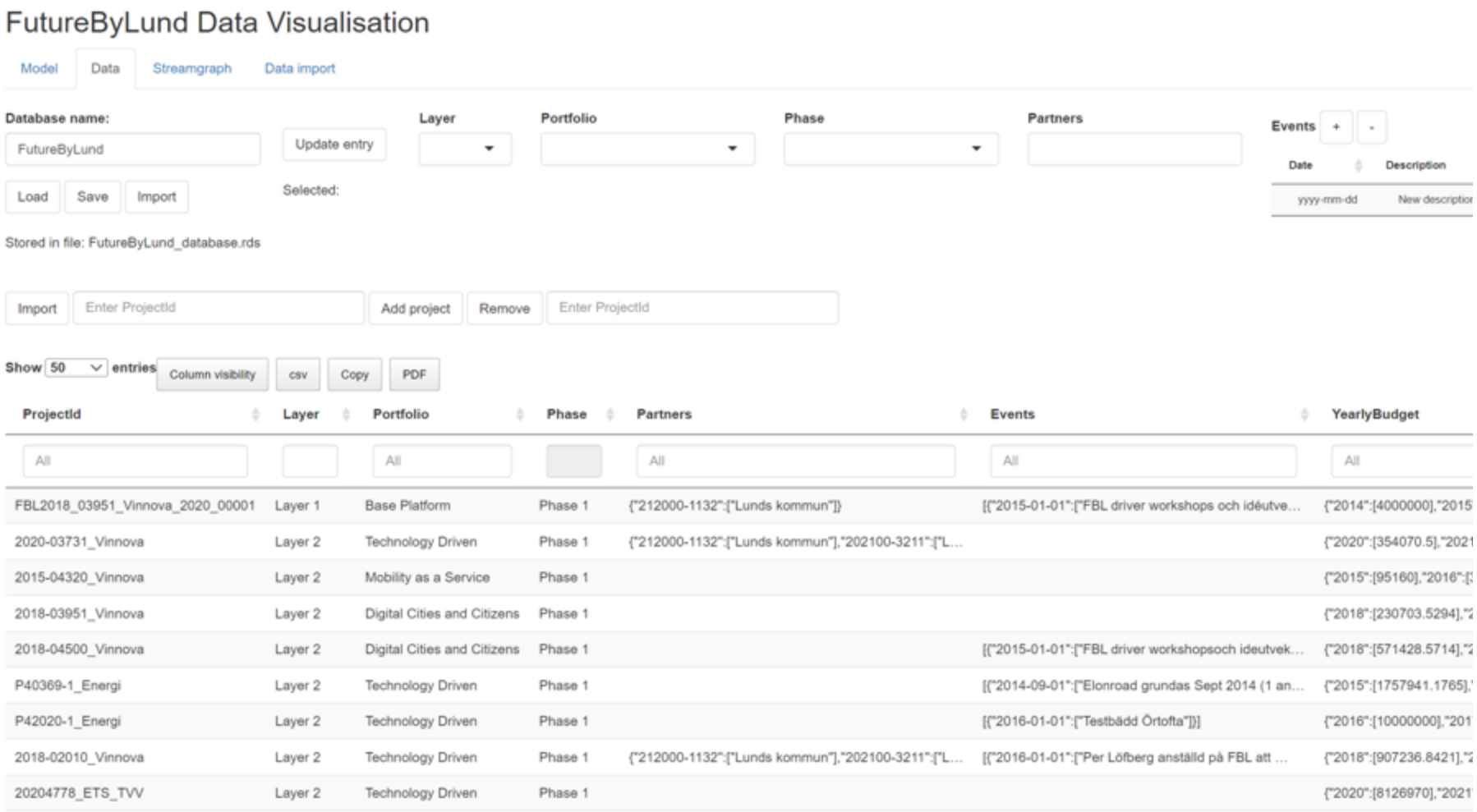


Lund University - Data mining and visualisation
A new digital tool under development

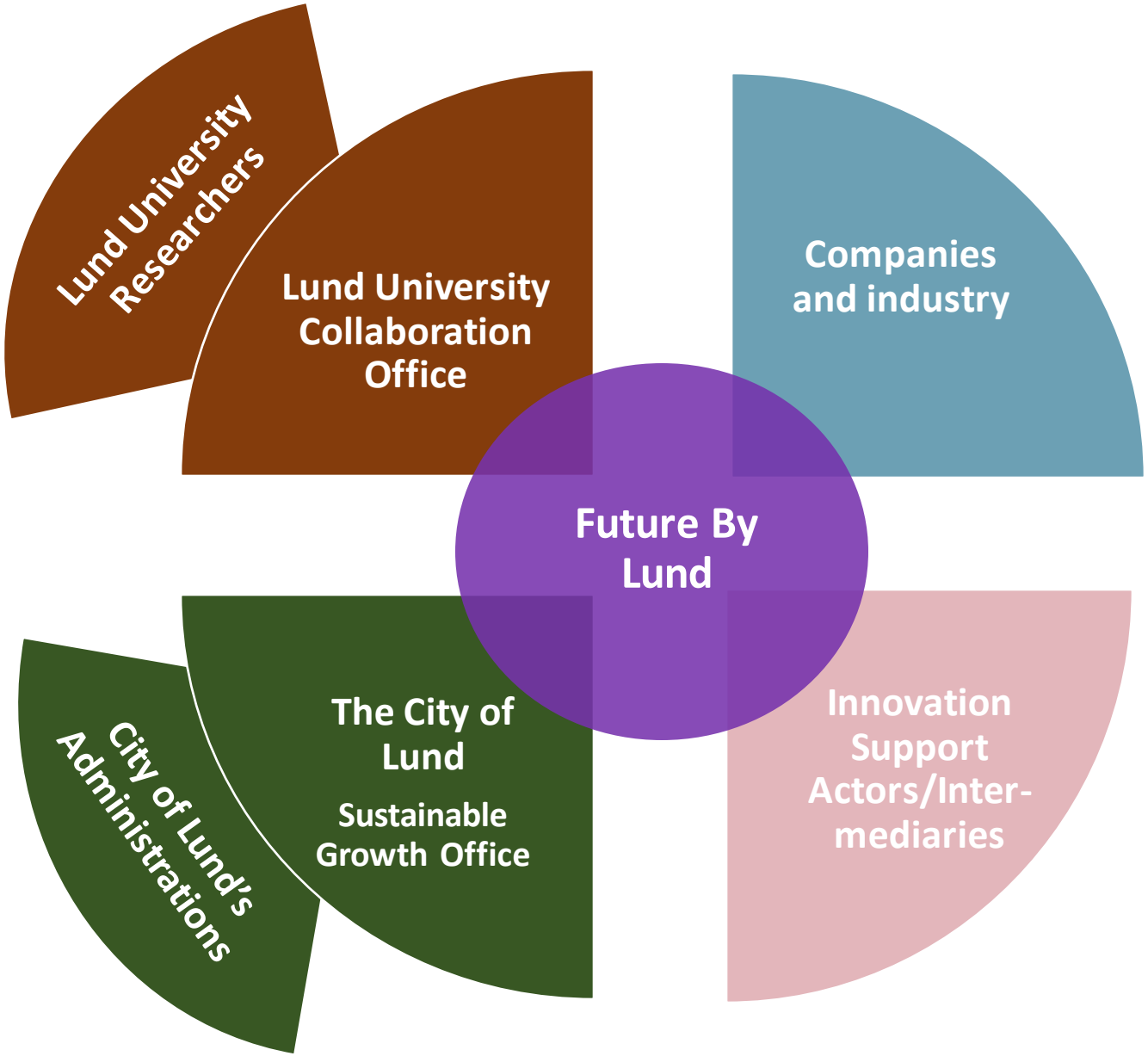


Flexibility to establish own model(s) for each ecosystem
Models with different portfolios, partners, and other aspects to ”tag”
Adding of ”own” data and adm. reports (EIT reporting?)

Base data on publicly-funded projects collected from public sources; data can be further elaborated and crowd-sourced



Partners for good governance of the ecosystem



The method only has value in its application

The innovation platform Future By Lund is the orchestrator responsible for:

- Applying the model
- Driving processes and strategic dialogue
- Identifying cross innovation opportunities
- Mobilising and matchmaking actors
- Following progress and curating development
- Identifying investors and opportunities to scale-up

Partners developing an Innovation portfolio

Research collaboration

Industry collaboration

Facilitator collaboration

Innovation support intermediaries collaboration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