

# Towards a culture of innovation: motors and brakes

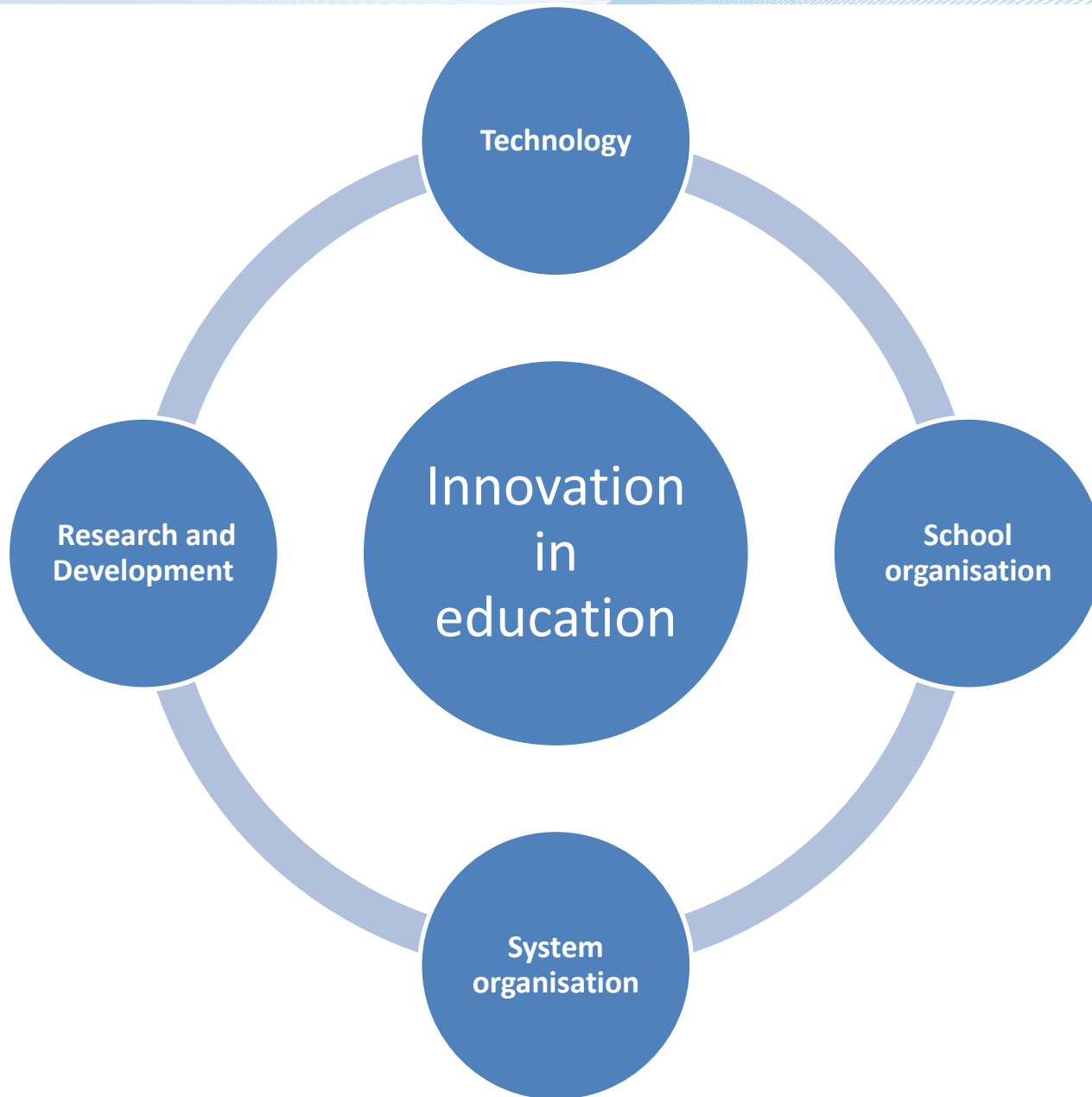
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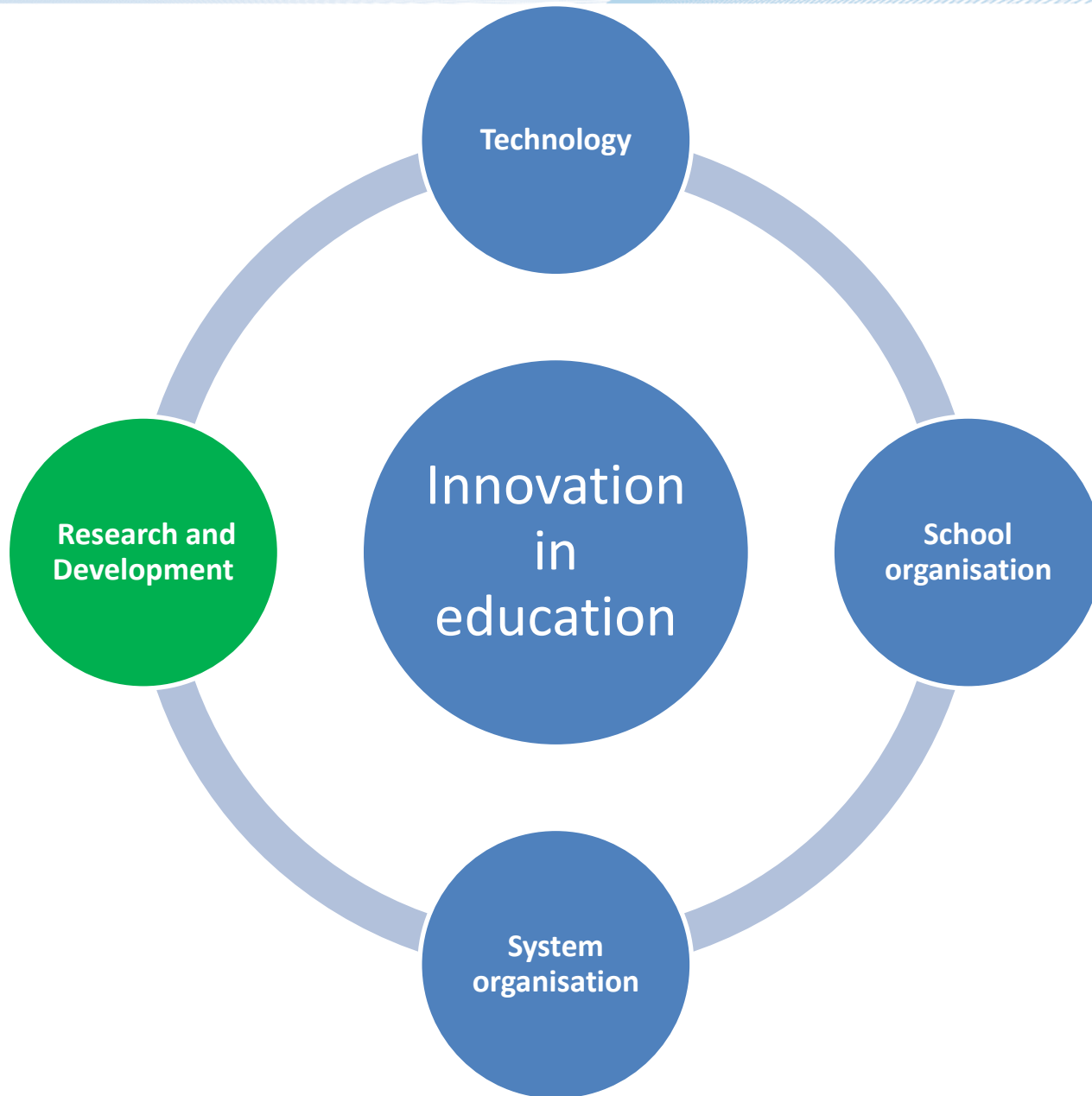
# Innovation strategy for education and training

- Stimulating science-driven innovation
- Stimulating business-driven innovation
- Stimulating practitioner-driven innovation
- Stimulating user-driven innovation

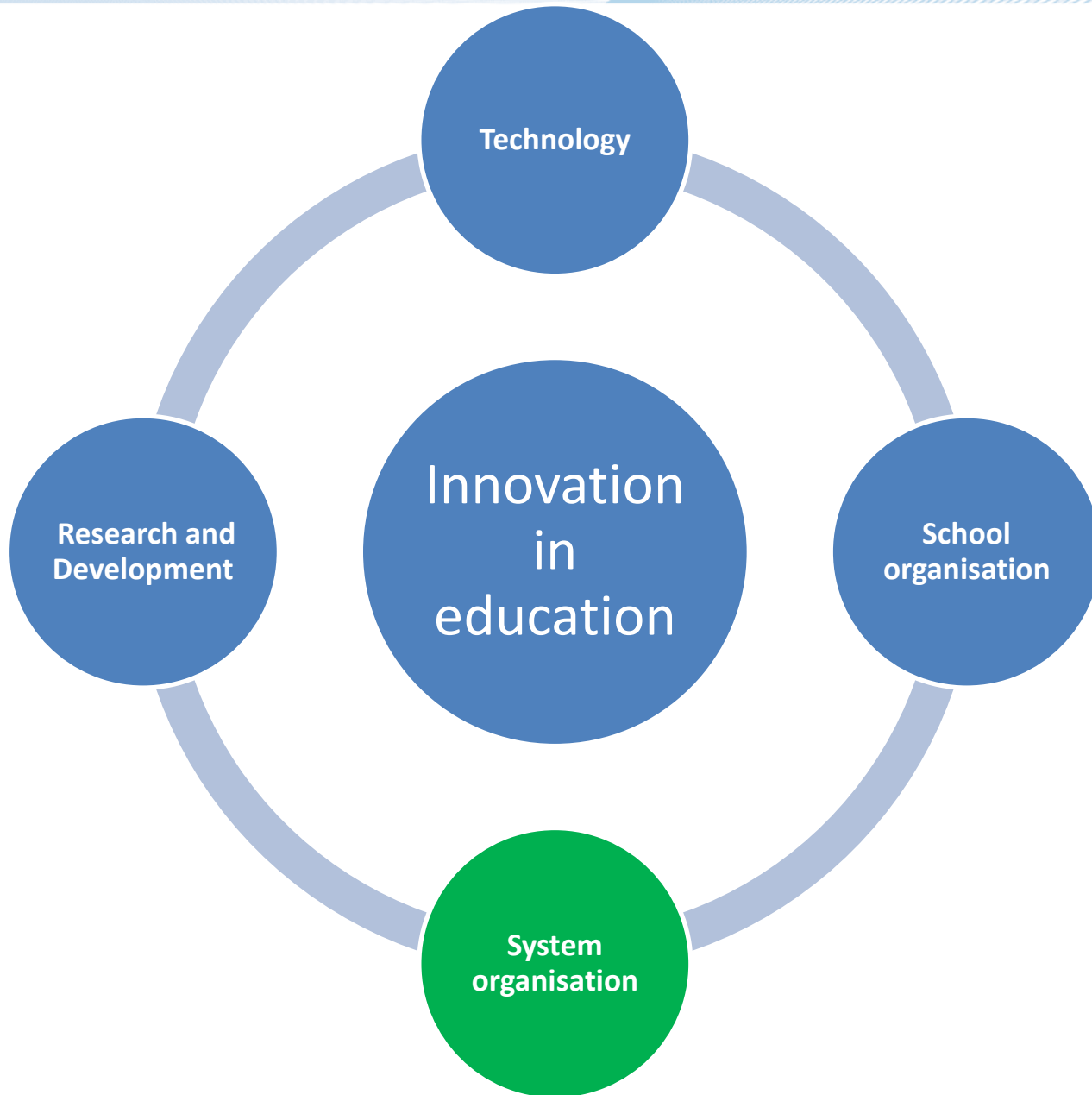
# Innovation in education



# Motors of innovation in education

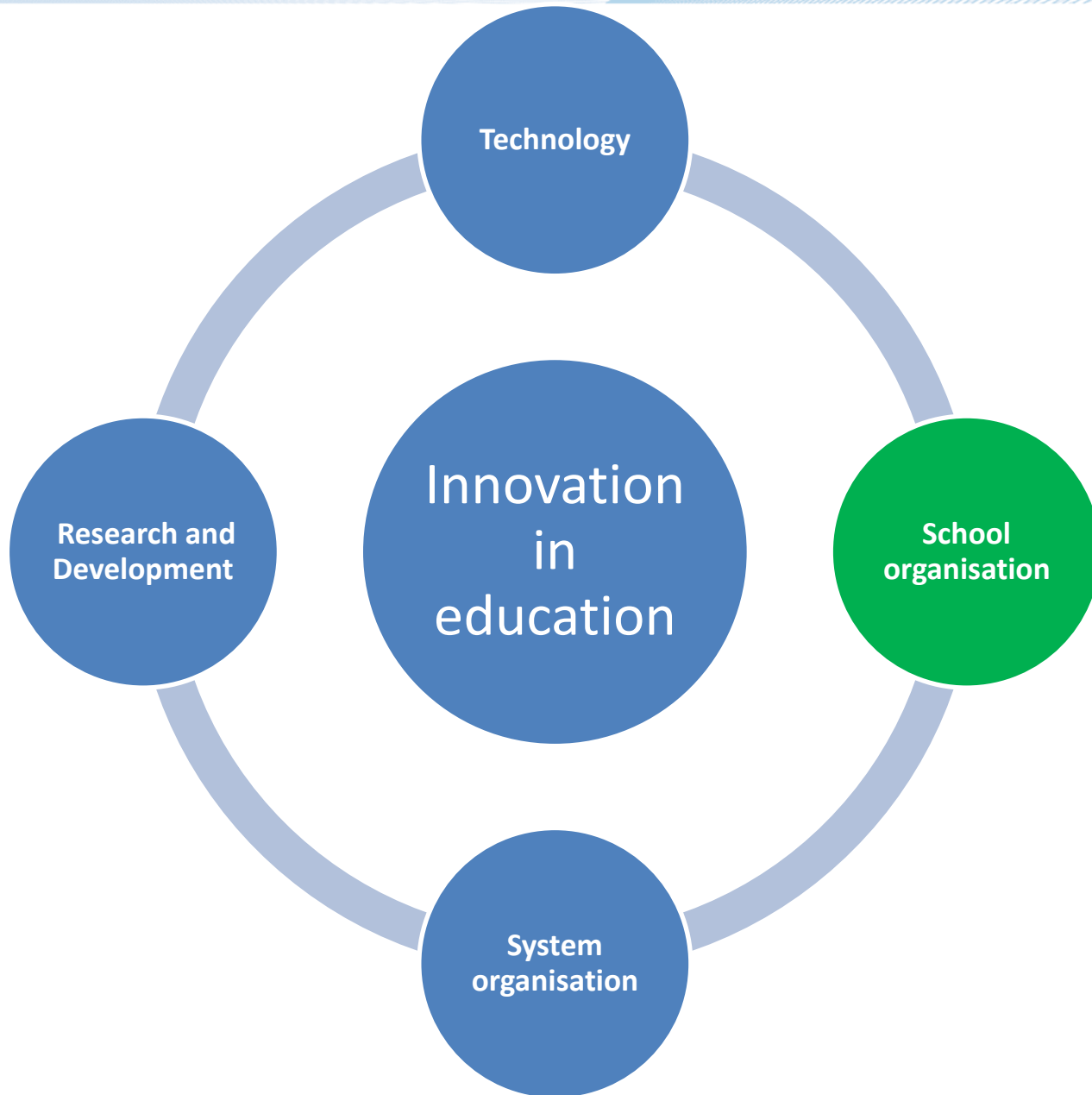


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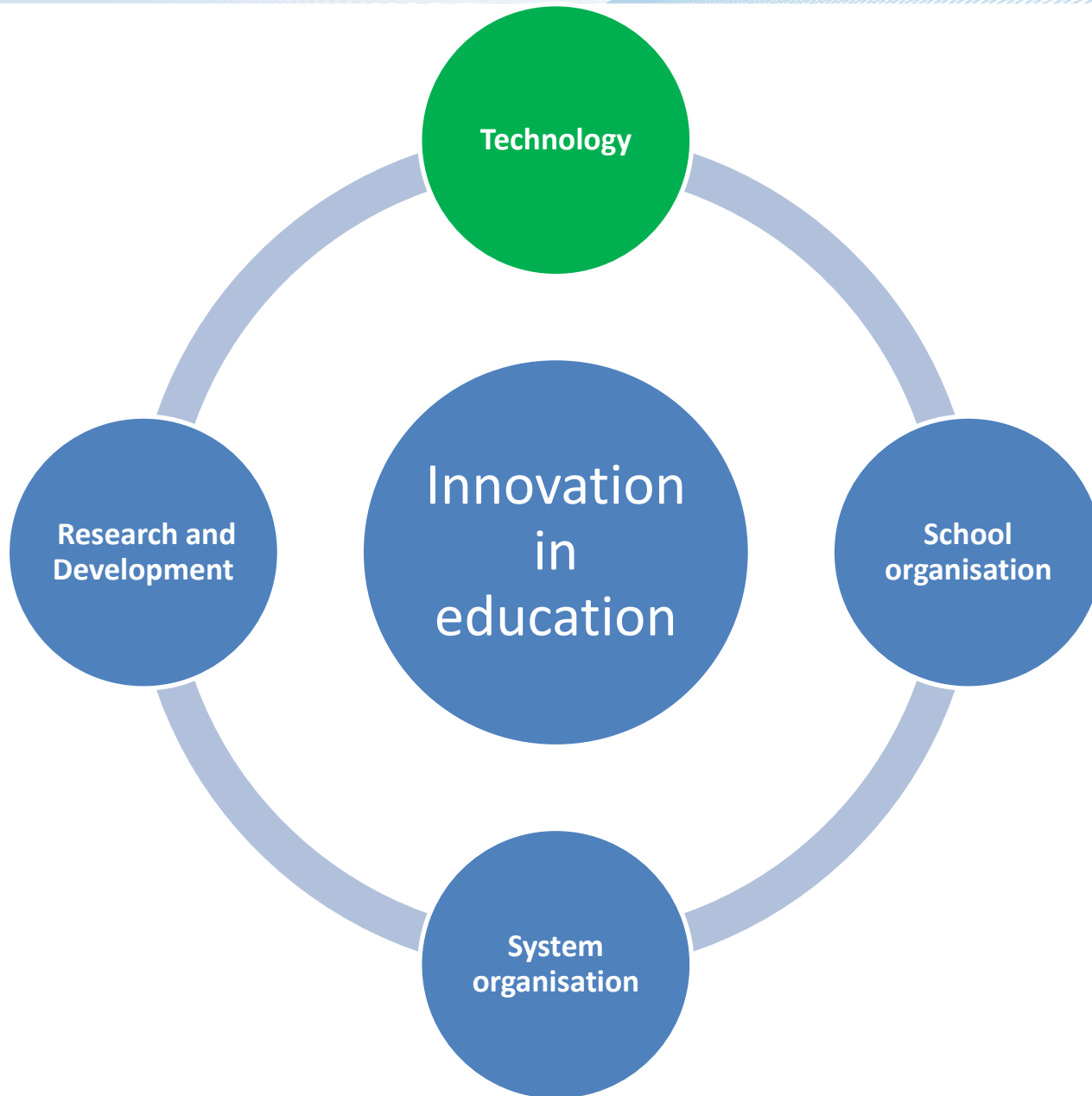




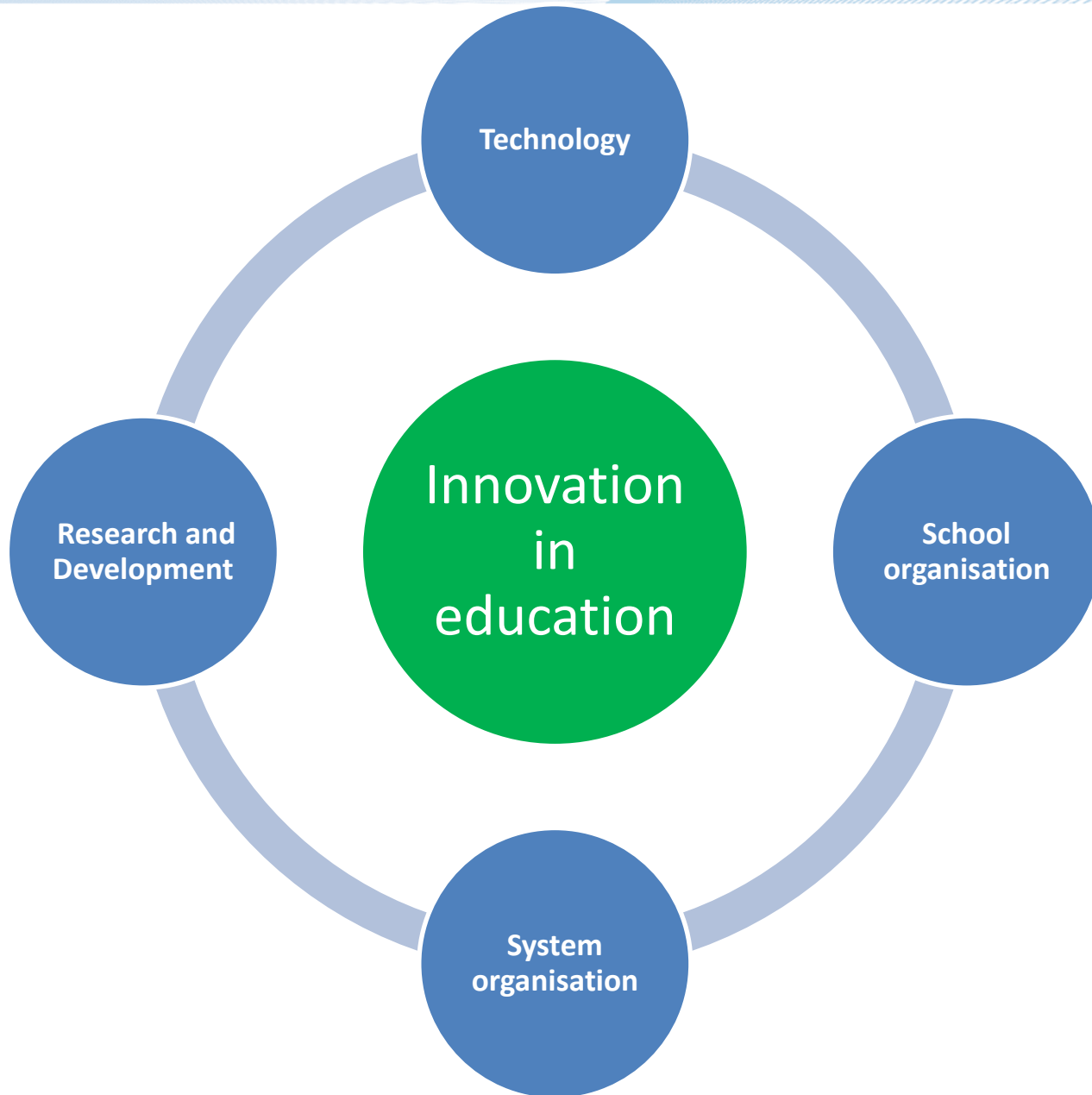
# Motors of innovation in education



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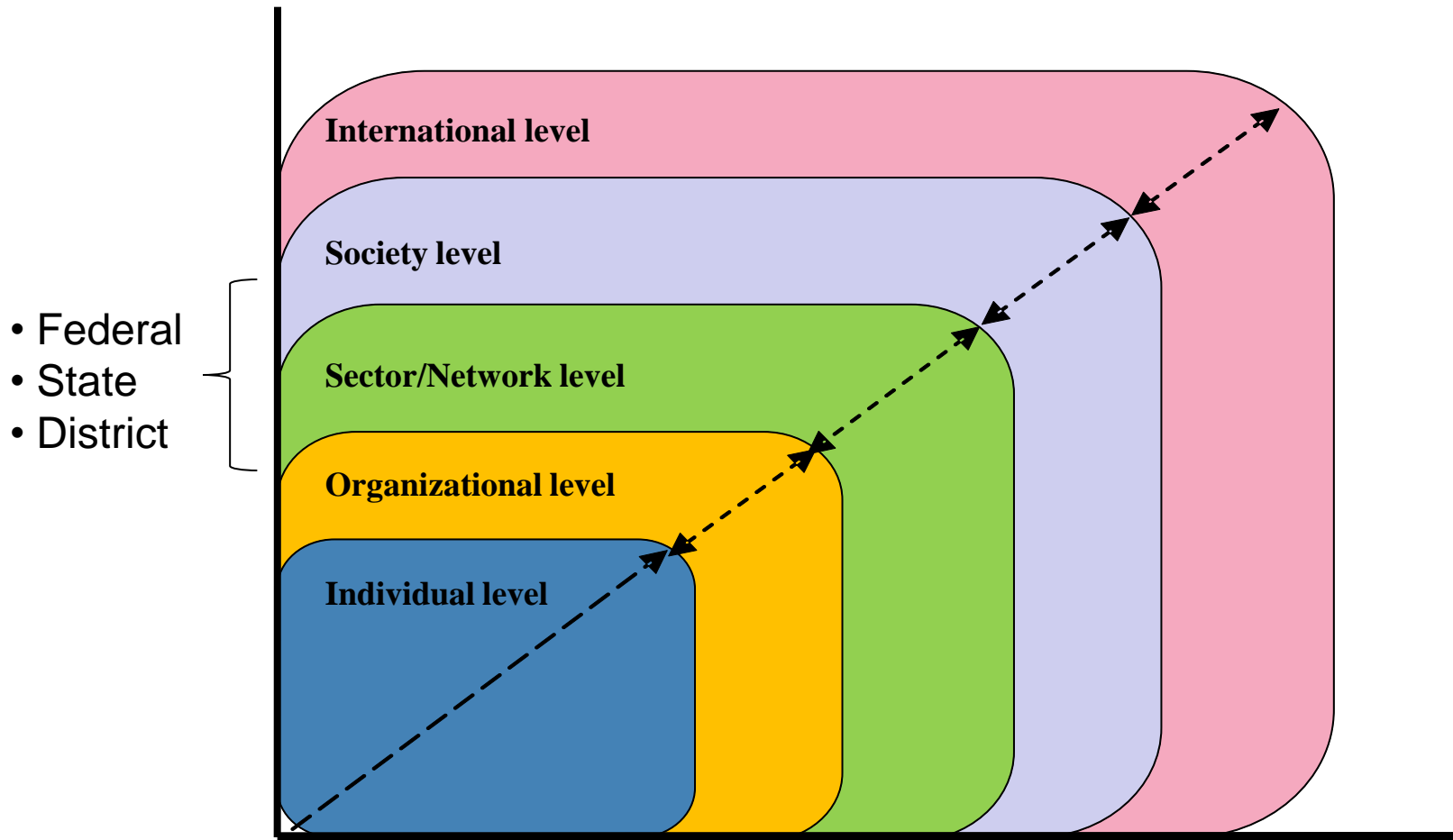


# Motors of innovation in education

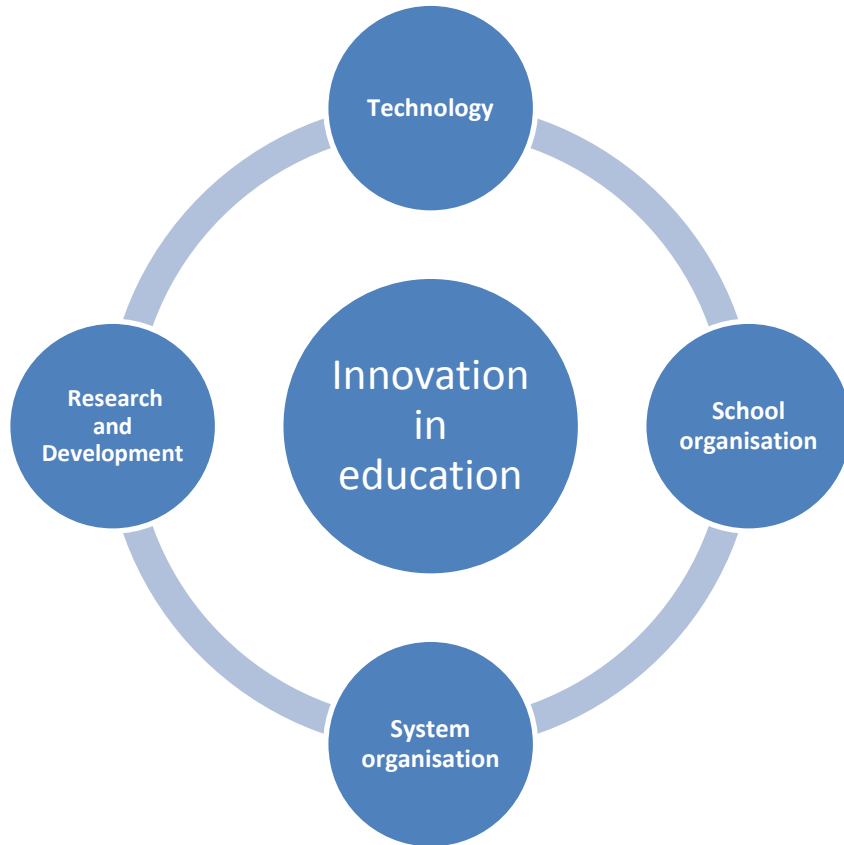




# A multi-level innovation ecosystem with different stakeholders, levers (and obstacles)



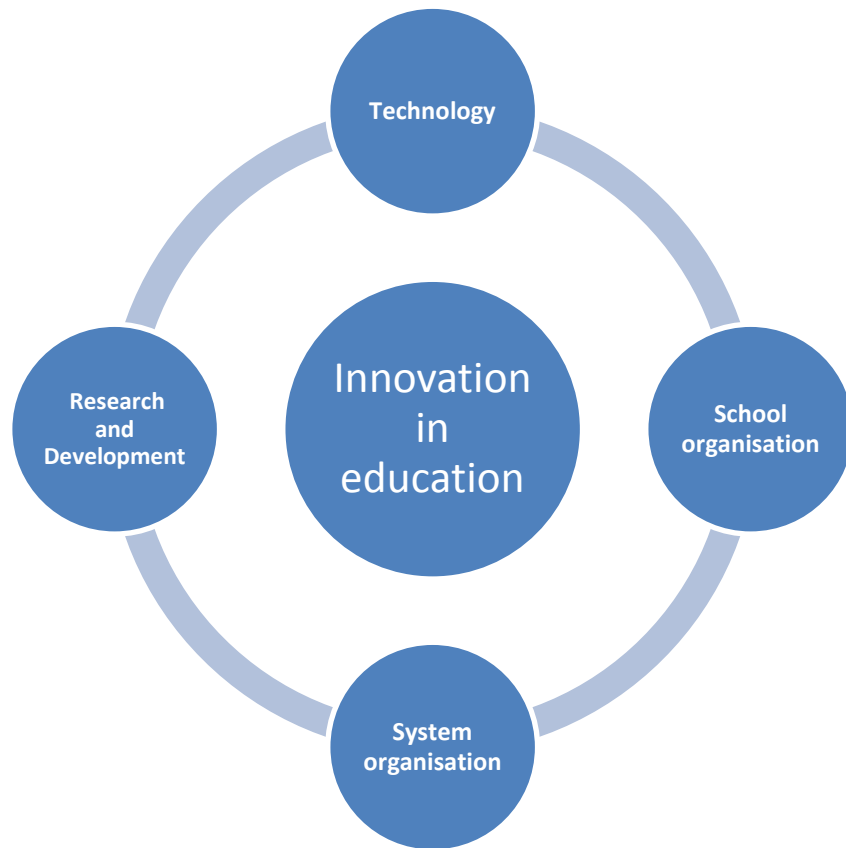
# Brakes to innovation



- **Brake #1: supply of innovation**

- Insufficient public and private investment in educational research and development
- Insufficient incentives for the business sector to develop tools for education
- Insufficient room for experimentation and action research by practitioners
- Insufficient incentives for good quality teaching (status comes from research)

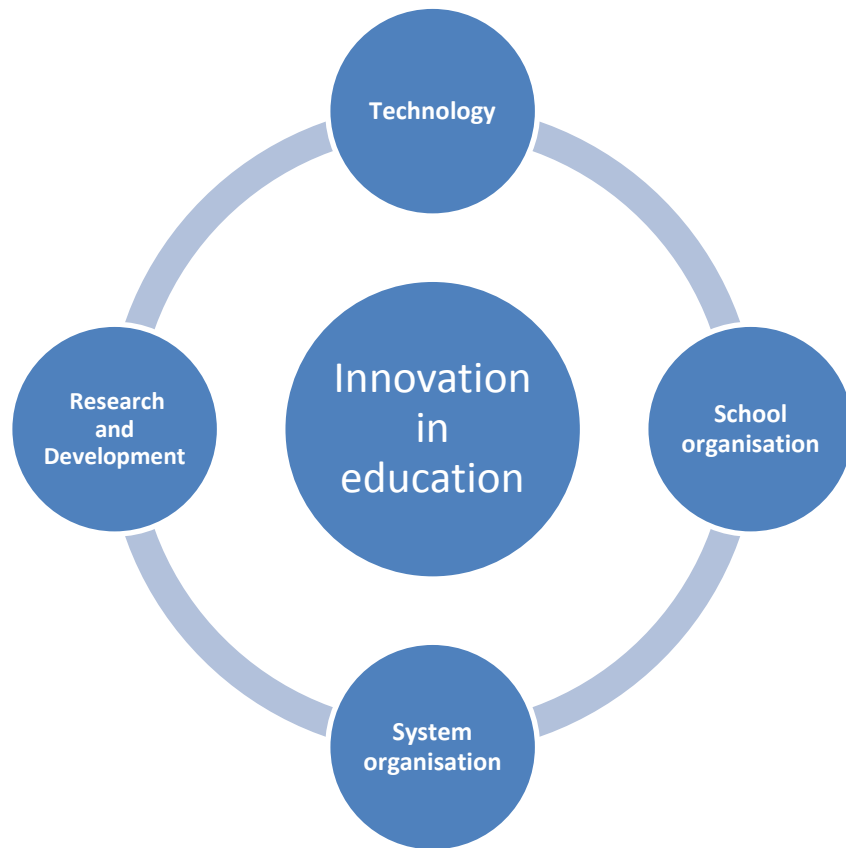
# Brakes to innovation



- **Brake #2: demand for innovation**

- Accountability policy leads to risk-aversion: need for the right balance between freedom to innovate and accountability
- Student/Parental/Employer/Policy demand for educational innovation is marginal
- Institutions/Faculty lack (budget and) culture for innovation (action research)
- Public innovation funds / Private venture capital are insufficient (?)

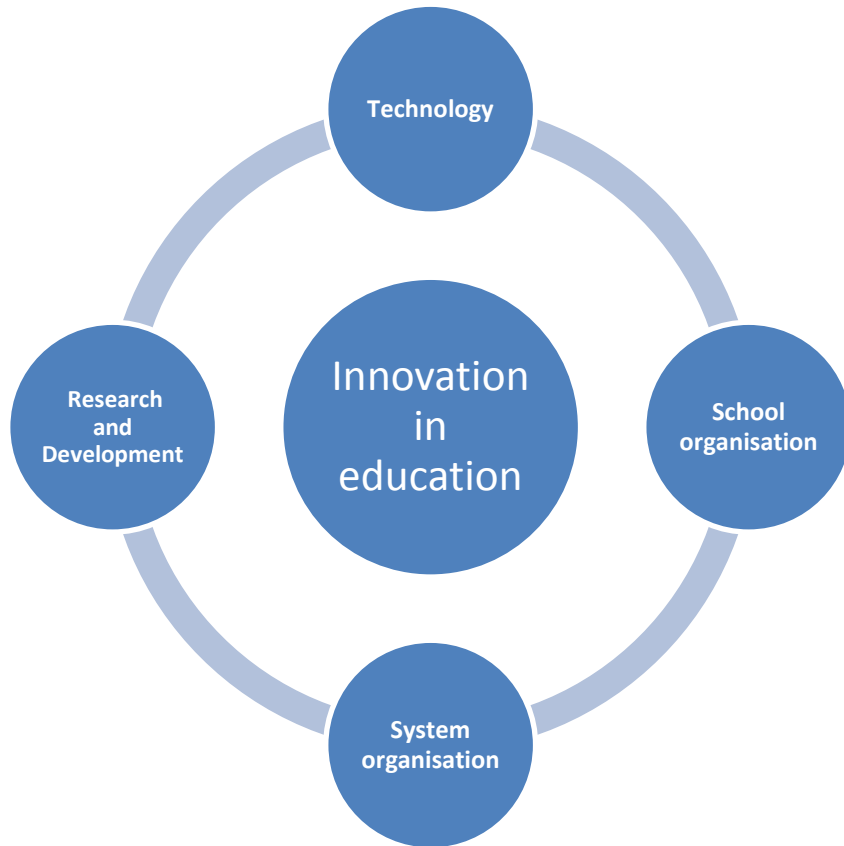
# Brakes to innovation



- **Brake #3: knowledge management**

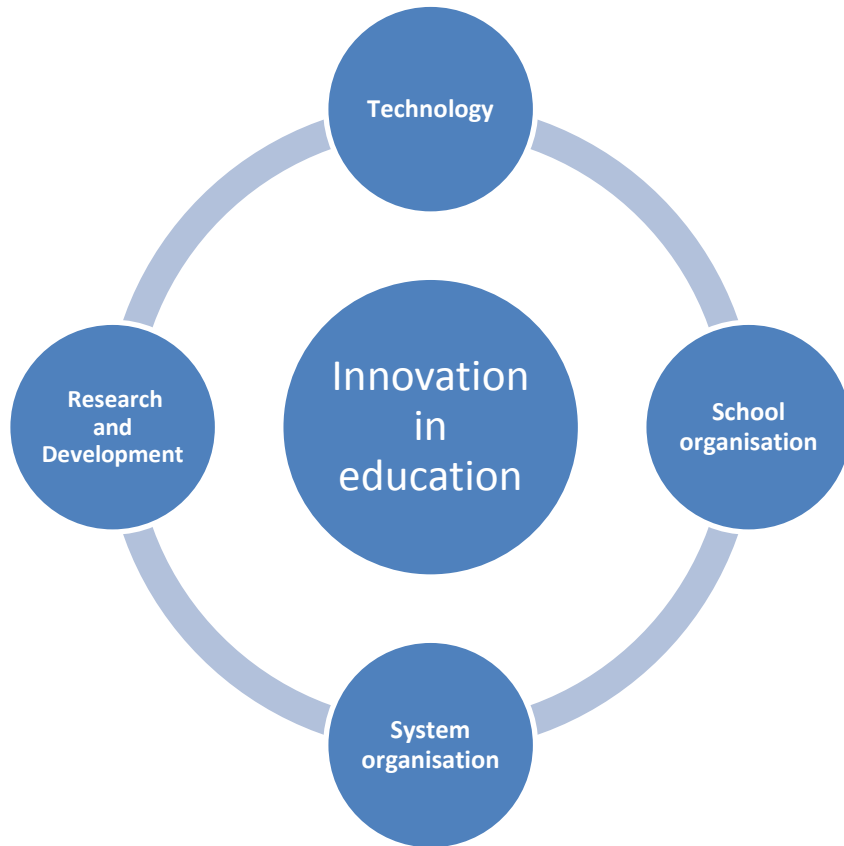
- Insufficient organisational learning within institutions and across the education sector (networks as a solution?)
- Inappropriate format and delivery of professional knowledge for faculty
- Difficulty to produce evidence on the impact of specific educational innovations

# Brakes to innovation



- Brake #1: supply of innovation
- Brake #2: demand for innovation
- Brake #3: knowledge management

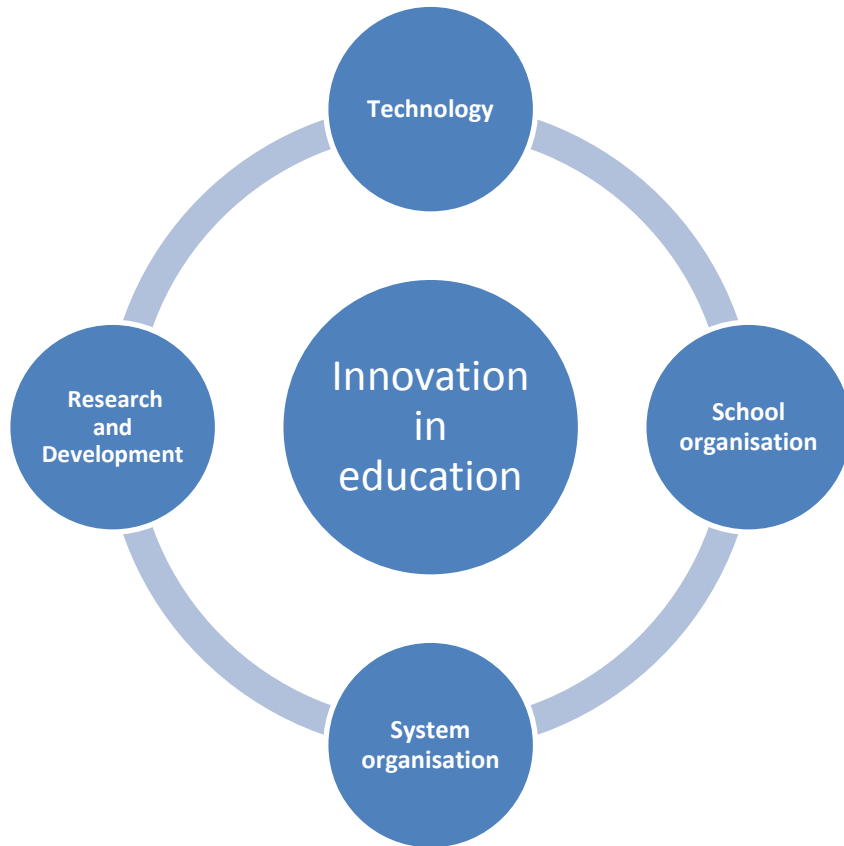
# Innovation in Indian (higher) education: what way forward?



- More action research for both faculty and students (constructivism) applied to indian questions
- Projects benefiting the community (water quality, policy evaluation, design, etc.) and leveraging the knowledge and culture of the community
- Revisit the structure and the organisation of undergraduate education (semester-based, flexibility, recognition)
- Scale up existing innovative models

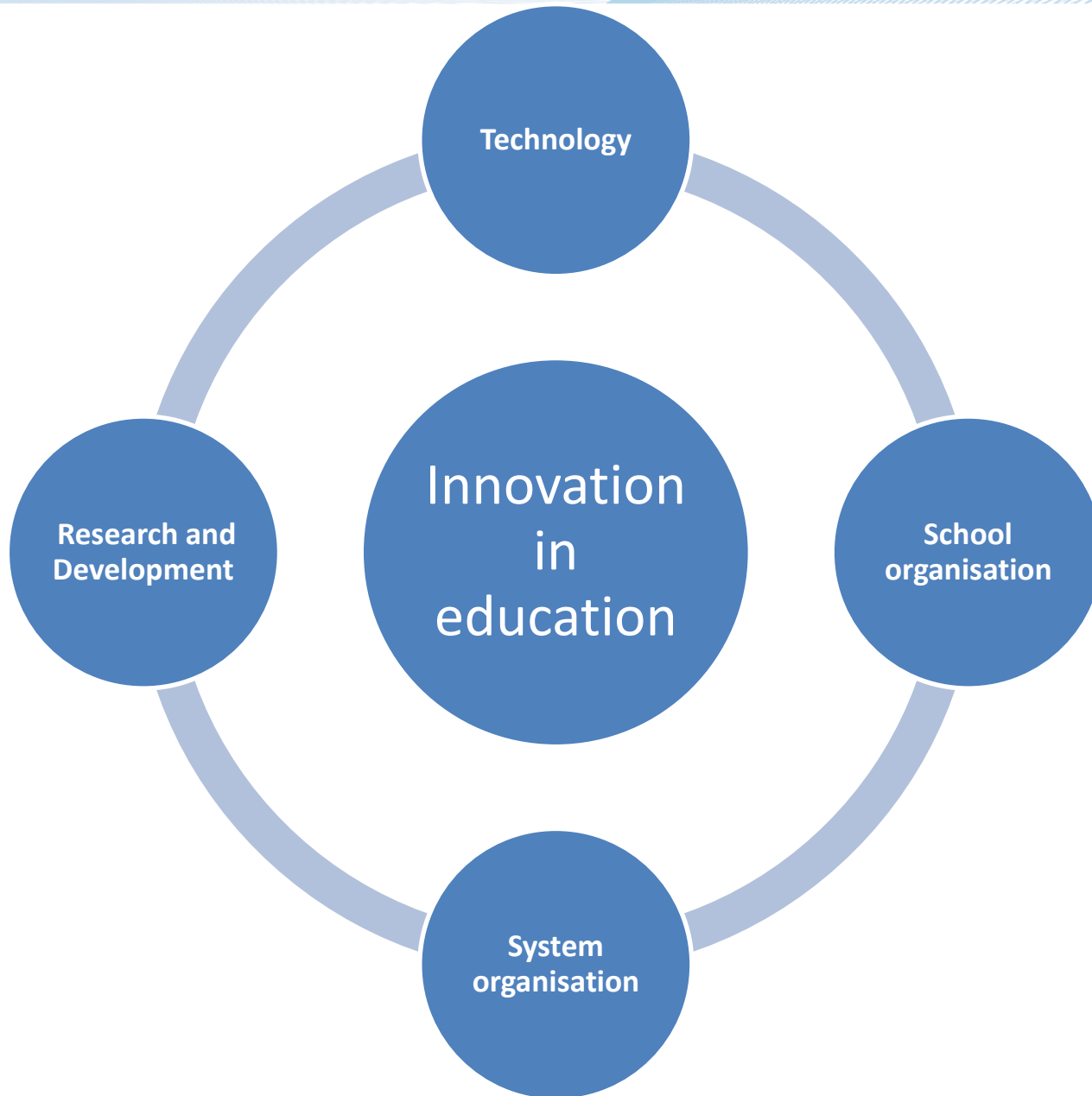


# Innovation in Indian (higher) education: what way forward?



- Diagnose the strengths and weaknesses of the ecosystem: a lot of great islands, but is the environment innovation-friendly?
- Collaboration and knowledge management: are ideas shared to inspire, innovations and reforms, evaluated, and proven ideas disseminated ?
- One big opportunity: the expansion (new institutions can try out new things)

# Next steps for the India-OECD initiative?

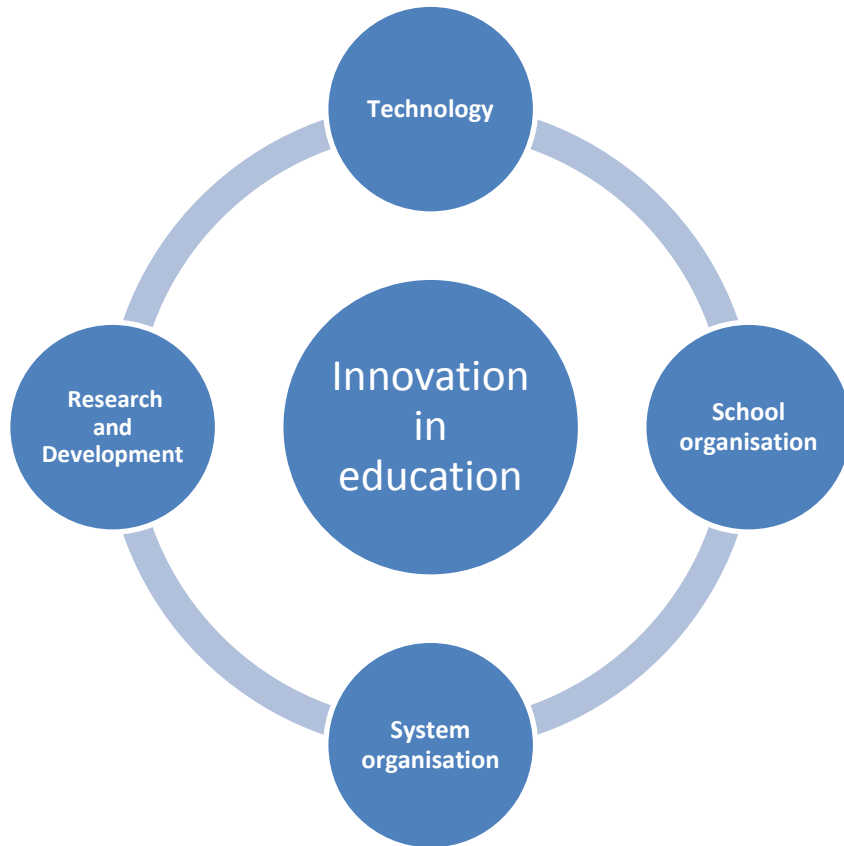


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**THANK YOU**

[www.oecd.org/edu/innovation](http://www.oecd.org/edu/innovation)

# Next steps of the India-OECD initiative?



- A summary report about the findings of the workshop
- A mapping of inspiring examples of innovation?
- A mapping of the innovation ecosystem in a specific area?
- Communities of practice around specific strategic objectives?
- A joint international conference for peer learning with international experiences?