



Future of Learning and Teaching

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The future of learning and teaching?

1. Connectedness, collaboration and co-creation
2. Anywhere, anytime learning
3. Customisation for a learner-first approach
4. Putting testing to the test

-> Educators of the future?

Future?

~ time that is to come

~ what is going to happen

Future ?

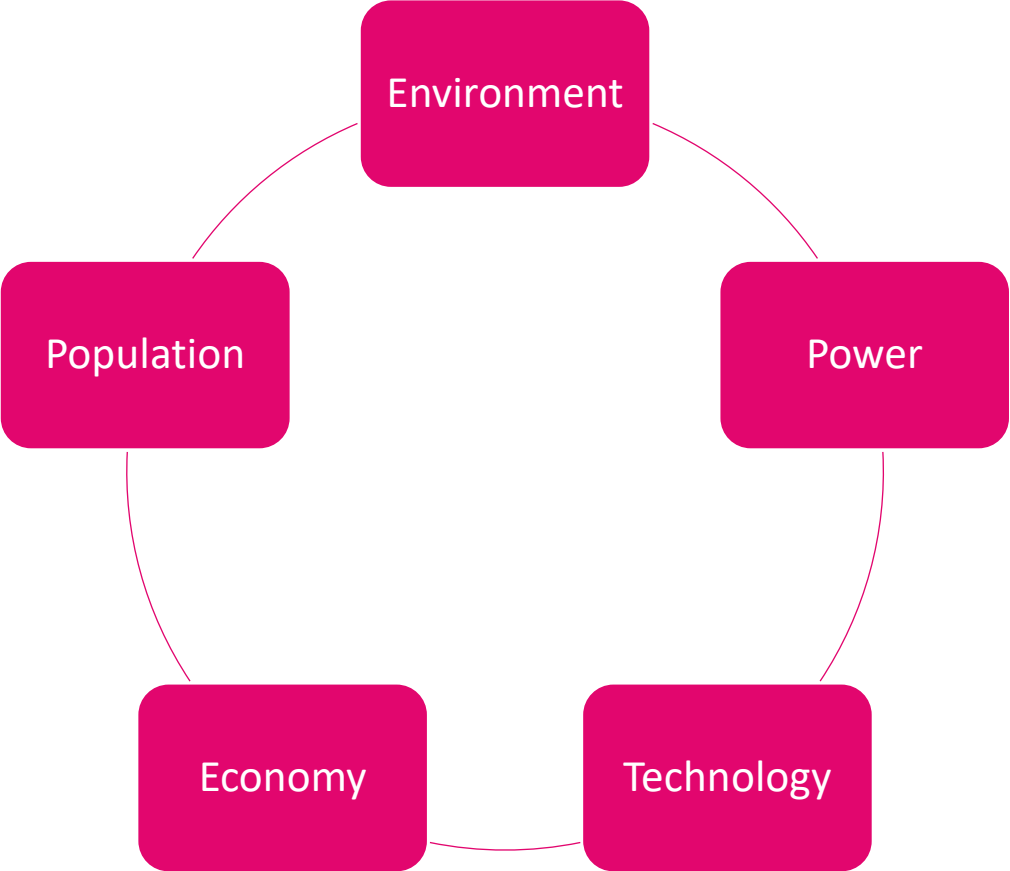
- World Economic Forum
- OECD – Organisation for Economic Co-operation and Development
- Unicef
- UNESCO
- SITRA - Finnish Innovation Fund
- VTT - Technical Research Centre of Finland
- Finnish National Board of Education
- Several university sites
- ...

Future?

The future likes to surprise us:

-> From trends analysis to using scenarios

The five most important megatrends influencing our future (SITRA 2020)

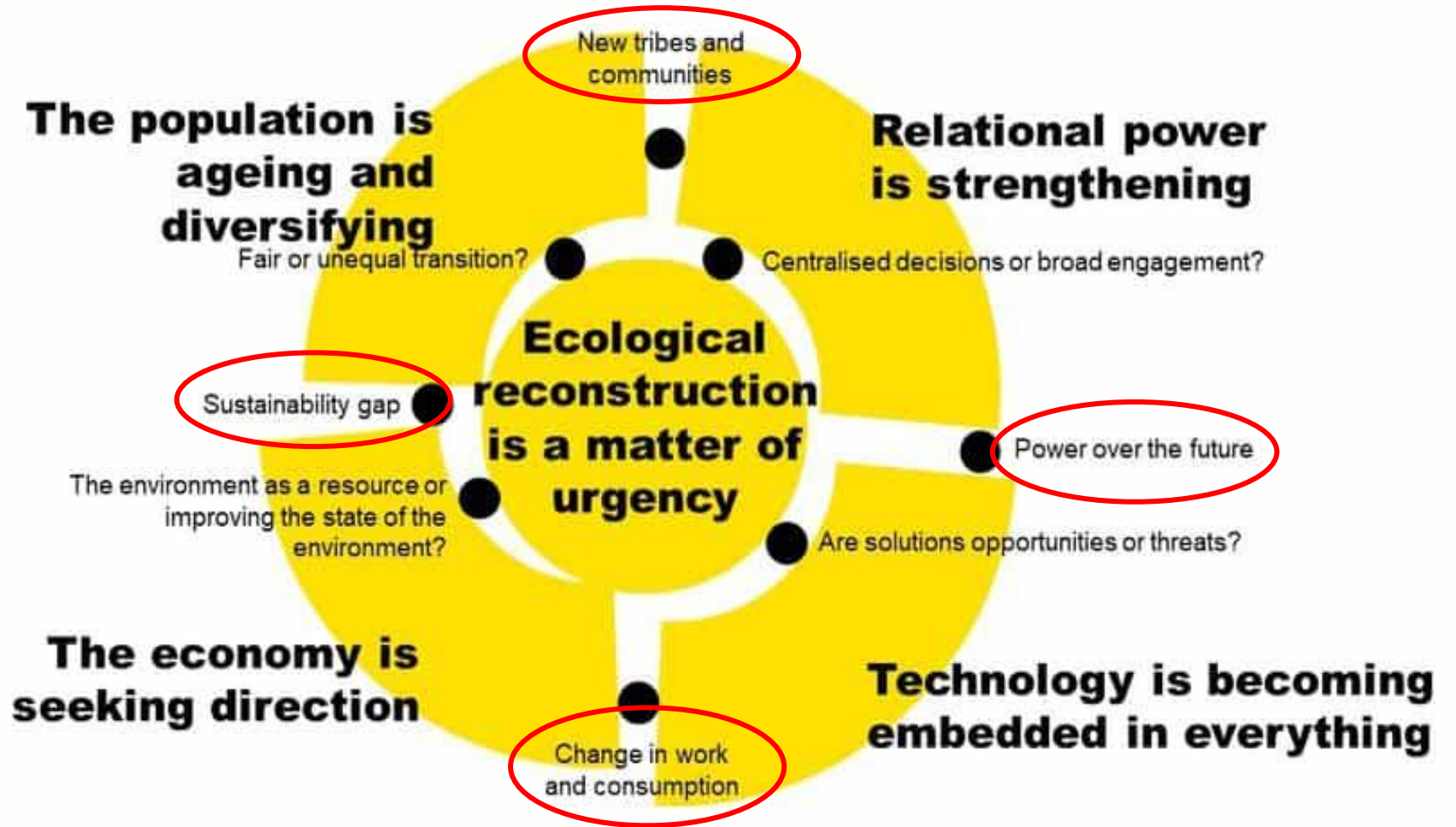


The five most important megatrends influencing our future



SITRA'S MEGATRENDS 2020

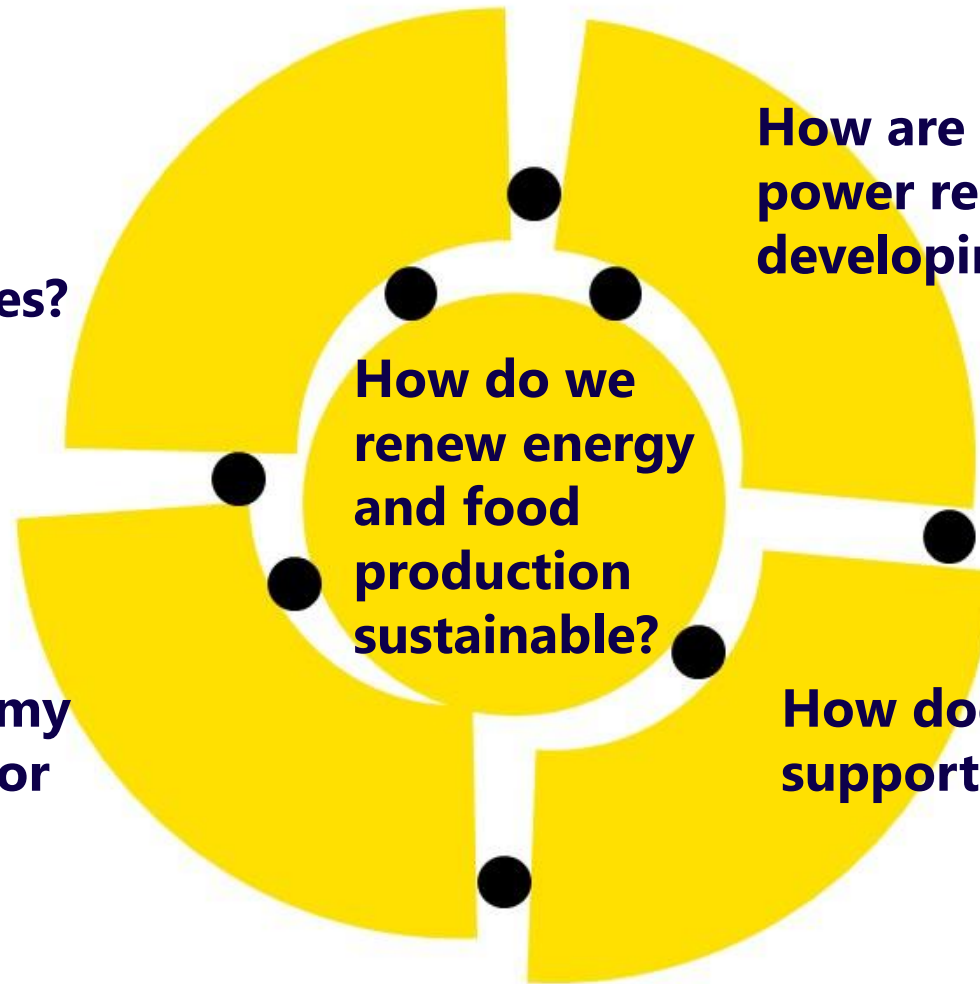
In addition to these five megatrends, it is important to consider **the tensions** between them as well as the megatrends that cut through all of the megatrends.



See more: <https://www.sitra.fi/en/articles/the-big-picture-of-the-megatrends/>

How do we strengthen trust and reduce inequalities?

How does the economy function as a force for change?



How are geopolitical power relations developing?

How does technology support democracy and peace?

(Dufva, Vataja & Wartiovaara, Sitra, 2022)

Future of work?

The future will not be built just by solving today's problems or by watching from the sidelines as others chart the way.

We have to have the courage to make the future ourselves.

The future of 'work' in the light of the megatrends

1) Diversity of working life

2) Uniformity

3) The multiplicity of changes

- **Question for us teachers:** What kind of working life do I want to build for future generations?

Future Competence / Competencies?

- * **Ability to act 'here and now' and with a perspective for the future development – future skills**
- * **Continuous learning and competence development**
- * **Ability to work and develop in networks and ecosystems**
- * **21st century skills, such as,**
 - creativity, innovative skills, critical thinking, problem solving, decision making, learning to learn, metacognition,
 - communication, collaboration,
 - media and technology skills,
 - citizenship, life and career skills, personal and social responsibility,
- *

Future of learning and teaching?

Learning and competence take forms that we cannot even imagine yet.

To get you along....

**The year
of your
1st grade**

**Today
Year 2022**

**The year
as far in
the future
than your
1st grade
was in
the past**

**How would
world and
education
look like then?**

OECD 2018 /The Future of Education and Skills - Education 2030

- ❖ A shared vision
“We are committed to helping every learner develop as a whole person, fulfil his/her potential and help shape a shared future built on the well-being of individuals, communities and the planet.”
- ❖ Need for new solutions in a rapidly changing world- Environmental, Economical & Social
- ❖ Need for broader education goals: Individual and collective *well-being* - inclusivity
- ❖ Learner *agency*: Navigating through a complex and uncertain world
- ❖ Need for a broad set of knowledge, skills, attitudes and values in action
- ❖ Competencies to transform our society and shape our future
- ❖ Design principles for moving toward an eco-systemic change

- Today, we know that human brains are plastic and that people learn differently, even given similar environments and learning methods.
- We know that learners are not empty vessels or blank slates. The prior beliefs, experiences and skills that they bring into their learning are central in the processing of new information.
- Prior knowledge needs thus to be leveraged, and counterbalanced in the case of misconceptions, if learners are to move from fragmented facts and routine processes to recognising how problems relate to what they already know and to develop and apply skills to solve them.
-

The dimensions of civilisation and the challenges of current times

ETHICAL

How should we act?

KNOWLEDGE BASED

What do we need to know?



SOCIETAL

How do we participate?

↑
Sustainability
crisis

↑
Crisis of
liberal
democracy

↑
Societal
polarisation

↑
Growth of
complexity

↑
Transformation of institutions,
economy, work and
technology

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The push of the present

Trends, ongoing changes in society and in people's lives

The suction of the future

Images of the future, dreams, hopes, plans, etc



The weight of the past

Persistent beliefs negative worldviews, obstacles to change, etc



Future makers

Shaping the future is a skill that can be developed. In order to drive change in our society – and in education - we need to engage more people into discussions about the future, develop a more *future-oriented mindset* and *ability to imagine alternative futures*

Future makers

Besides having the skills as future makers, as teachers we have to

- be able to keep up hope
- develop learning where one can learn safely

and

- have a strong pedagogical competence for learning and guidance
- Take care of the most important tool in our work, i.e. ourselves

“Young people are the future.

**Their ideas, energy and enthusiasm can
change the world.”**

(UNICEF, 2018, para 4)

Thank you for your attention 😊

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