

Education in Estonia

What stands behind PISA 2022 results?

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education
estonia

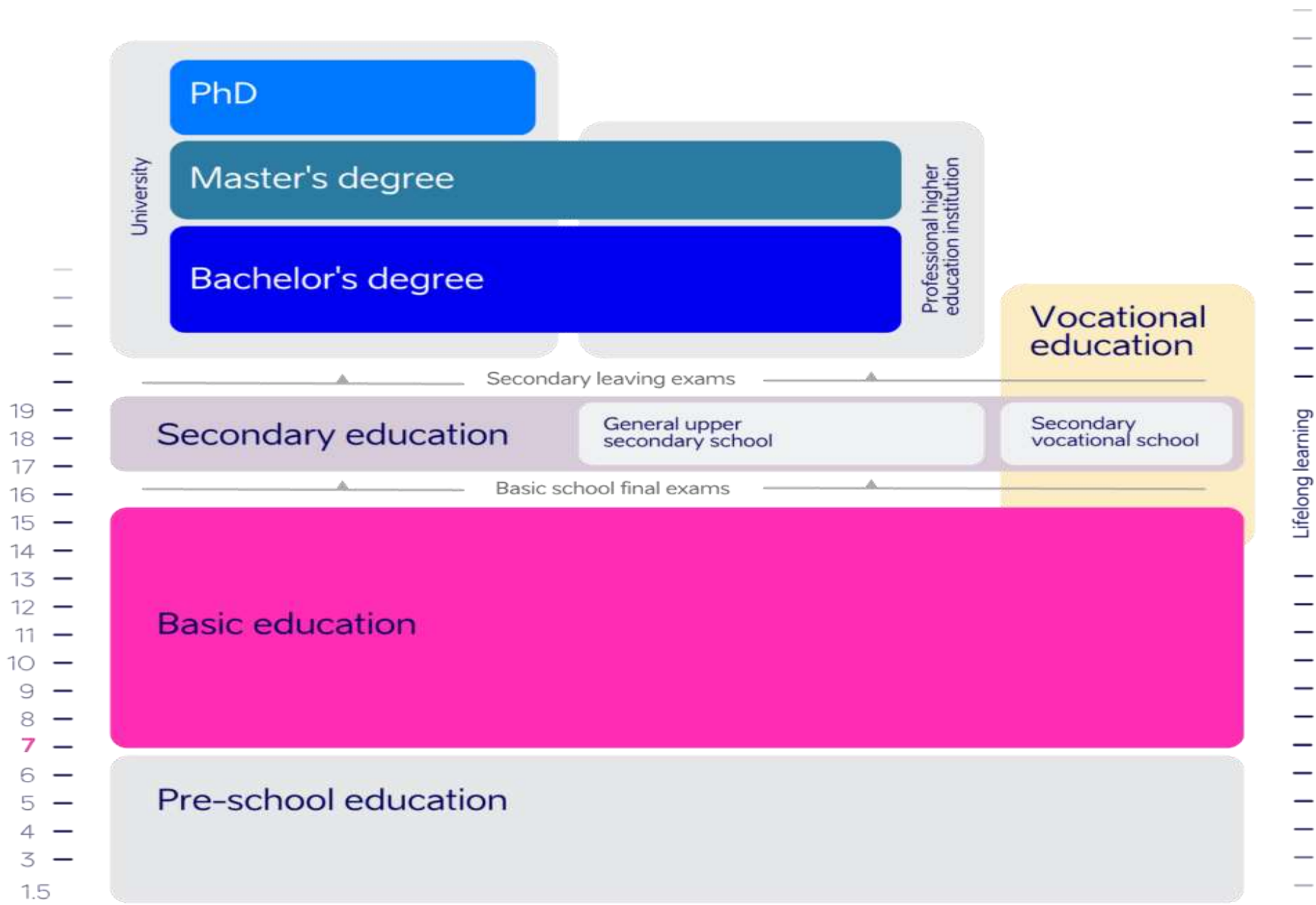


HAKA
Estonian Quality
Agency for Education

Estonia

- + population: 1.3 million
- + 45,339 km²
- + EU, NATO member (since 2004)
- + 99% of public services online
- + 157 00 students, 16 569 teachers in general education schools and 511 general education schools





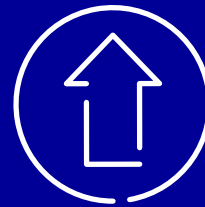
Estonian students top global rankings (PISA 2022)

1-2

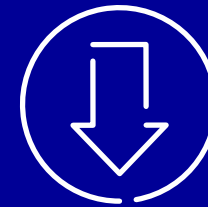
in Europe
in math, reading
and science

6-7


in the world
in math, reading
and science



≈ 1.5 times more
top performers
vs OECD average



≈ 2 times less
low performers
vs OECD average

A young boy with curly blonde hair is climbing a red rope net structure. He is wearing a blue and white striped t-shirt and a grey safety harness. He is looking upwards with a focused expression. The background is slightly blurred, showing other people and greenery, suggesting an outdoor recreational area.

The power of effort

Estonian students consistently exhibit a strong growth mindset and lead the PISA rankings in 2018 and 2022.

Characteristics of Estonian education

- ❖ **TEACHERS ARE HIGHLY EDUCATED.**

A teaching qualification requires the completion of a Master's degree. Supported continuous learning

- ❖ **Principals and teachers have A LOT OF AUTONOMY.**

- ❖ **STATE FRAMEWORK for CURRICULUM**

- ❖ **INCLUSIVE EDUCATION SYSTEM**, providing special programmes for the gifted and support for those requiring it. Students have access to free **SPECIAL SUPPORT**, including psychological and speech therapy, at schools or counselling centres.

- ❖ **Strong PRE-SCHOOL System**

- ❖ **QUALITY OF EDUCATION** is endorsed by internal evaluation, national surveys and external assessment of learning outcomes.

- ❖ Education is **FREE-OF-CHARGE** from basic to higher education. School meals, textbooks, and transit are provided free of charge.

- ❖ **HOBBY EDUCATION** offers wide opportunities for self-development in music, sports, art, technology, etc.

- ❖ **STRATEGIC PLANNING** and evidence-based leadership is a crucial element of Estonia's education system.

Preparing for the information society

95%

of schools
use e-diaries

4th

in media literacy
Media Literacy Index 2022

1st

in digital learning
CEPS 2019

99%

of Estonian kindergartens
take part in technology education
programme ProgeTiger

9%

of students study ICT in Estonia
– twice as many as EU average
Eurostat 2018

40%

of ICT university students are female –
this is highest share in Europe Informatics
Europe 2020

Technology opens up new possibilities

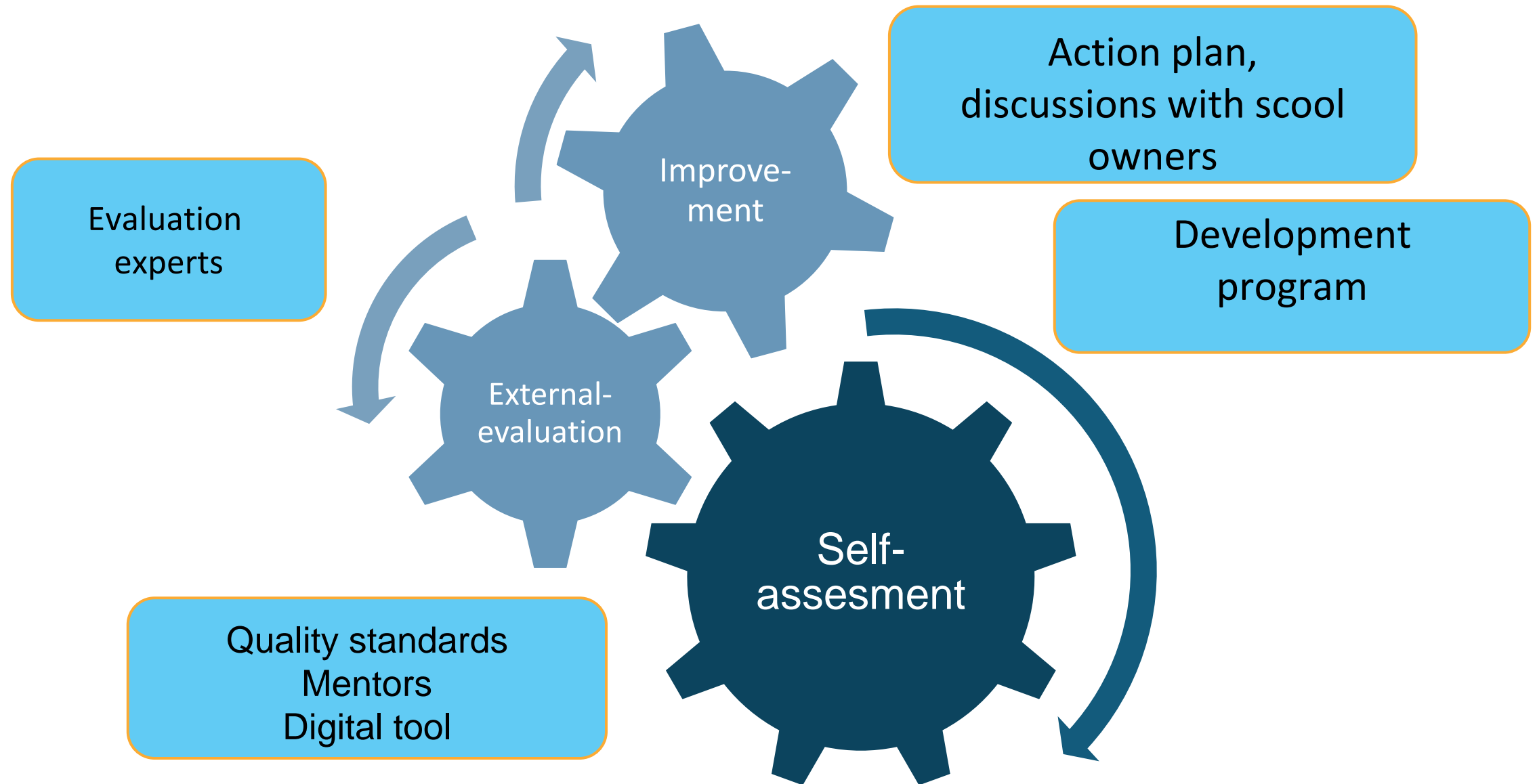
- ❖ The Tiger Leap programme in the 1990s provided schools with INTERNET CONNECTIONS, COMPUTERS, and IT TRAININGS.
- ❖ For the evidence-based decisions, the EDUCATIONAL DATA is publicly accessible on the internet.
- ❖ DIGITAL LEARNING MATERIALS are available for all subjects and across all educational levels.
- ❖ DIGITAL COMPETENCE is set in curriculum as a general competence.
- ❖ Educational programmes create INTEREST IN TECHNOLOGY from kindergarten to university.
- ❖ All schools in Estonia use E-SOLUTIONS.
- ❖ Many schools and kindergartens have EDUCATIONAL TECHNOLOGISTS - technology integration specialists to support teachers.
- ❖ A new AI IN EDUCATION working group has been established at the MoER



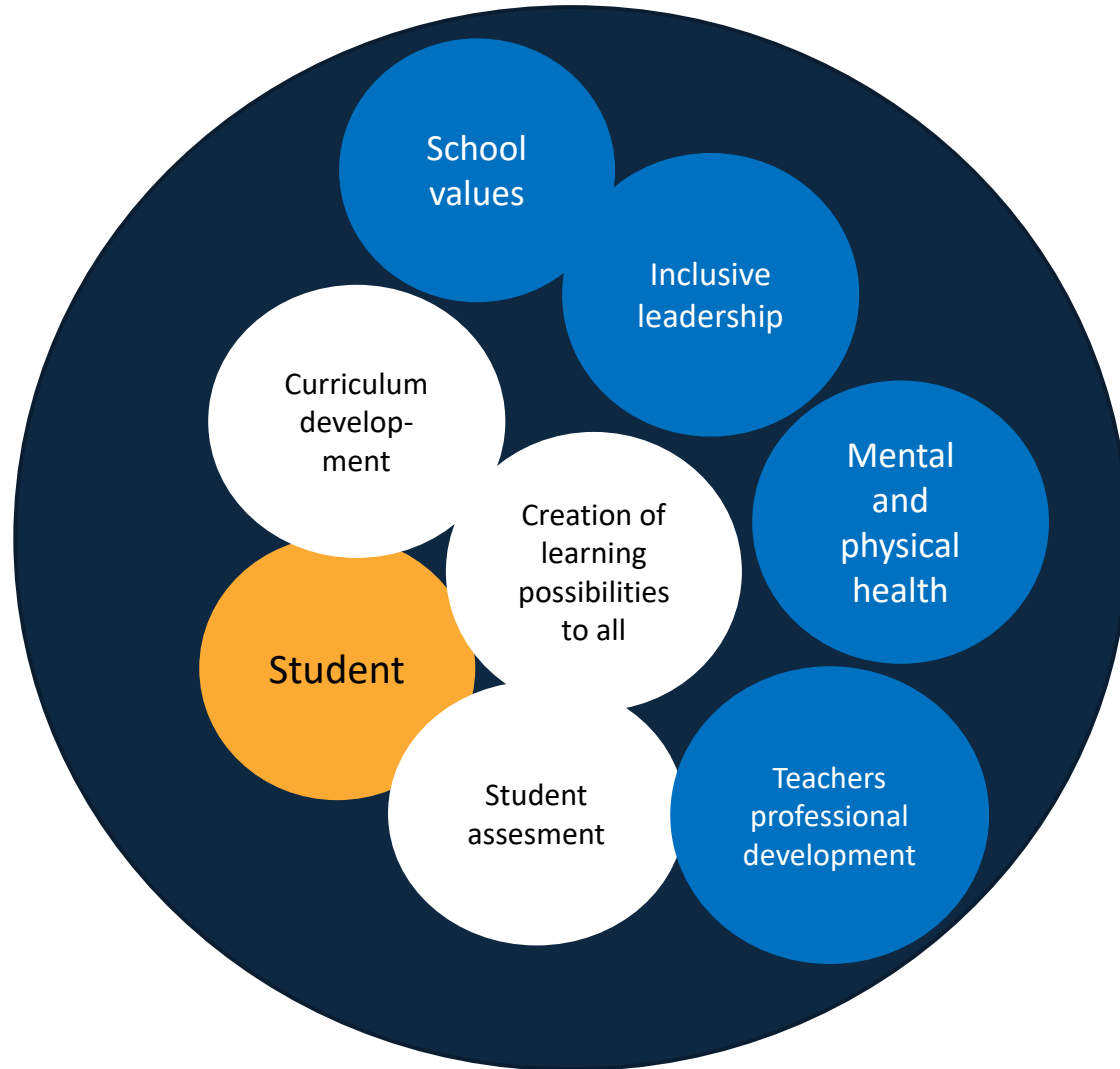
WHERE DO WE
MOVE FROM
HERE?

- + School quality assesment and quality improvement principles
- + School leadership
- + E-examinations
- + Next generation of teachers
- + Teachers working conditions
- + New curriculum
- + School reform (Estonian language)

Vision of Estonian improvement lead quality assurance in general education 2025+



Quality criteria in general education



2 assesment areas:

- 1) Learning and teaching processes that support student development (white)**
- 2) A cooperative and development-oriented school culture (blue)**

We truly think
that the best thing we can
give to our children is not
land, house or a bank account,
but good education.
T.H.Ilves

educationestonia.org

