



Euroopa Liit
Euroopa Sotsiaalfond



Eesti tuleviku heaks



Üldhariduse pedagoogide
kvalifikatsiooni tõstmine 2008-2014



Umbrella Organisation of Teachers' Subject Networks and Continuous Professional Development, Innovation at the Grass-roots Level

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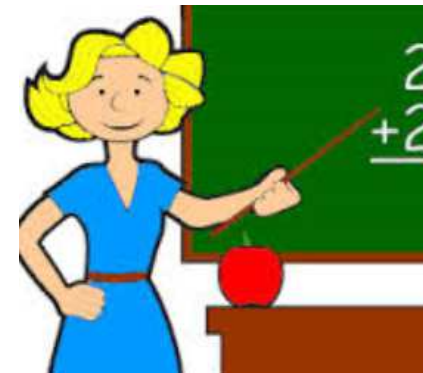
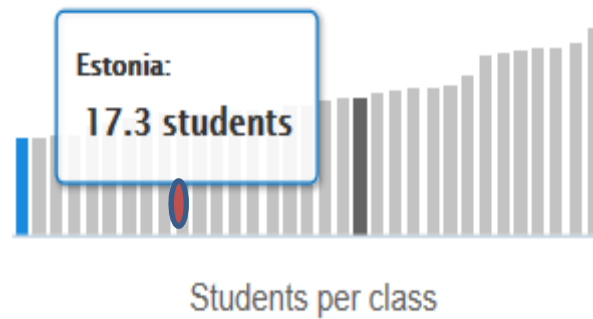
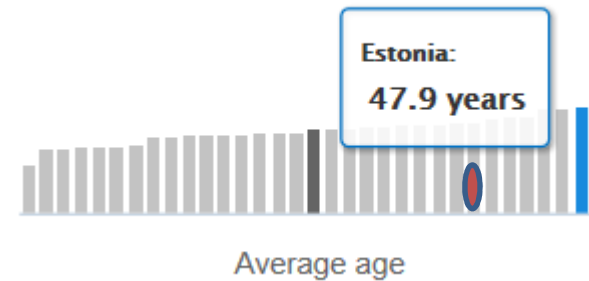
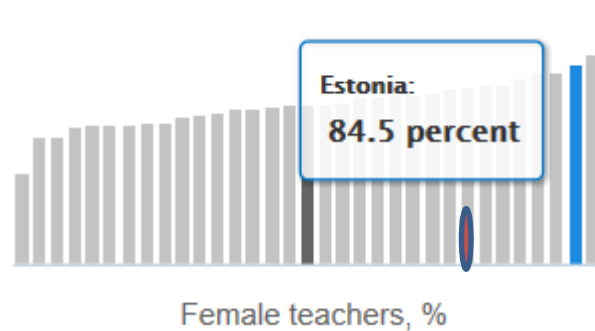
Firenze 11.-12.06.2015

Topics



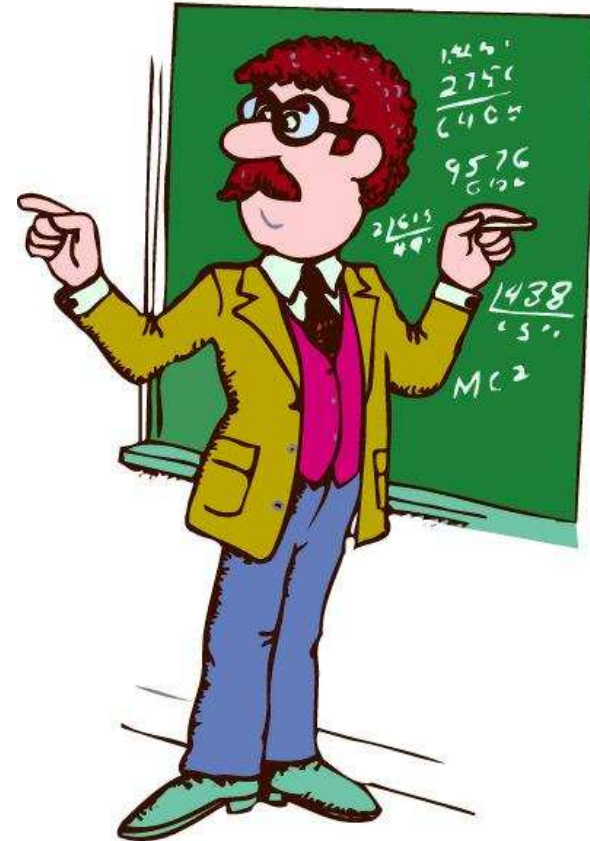
- Who are Estonian teachers
- ESF teachers programme and innovation

Estonian teachers according TALIS



More TALIS statistics

- Over 60 - 16% of teachers
- Under 30 - 7,4% of teachers
- One teacher has worked 22 years
 - 14 years in the same school and
 - 7 years in another school in average
- 7,7 students per teacher.
 - Cyprus: 7,1
 - Singapur: 35,5.
- Many teachers will pension soon, but school network needs also reform – so we do not need so many teachers



Teacher skills and graduate skills (numeracy)



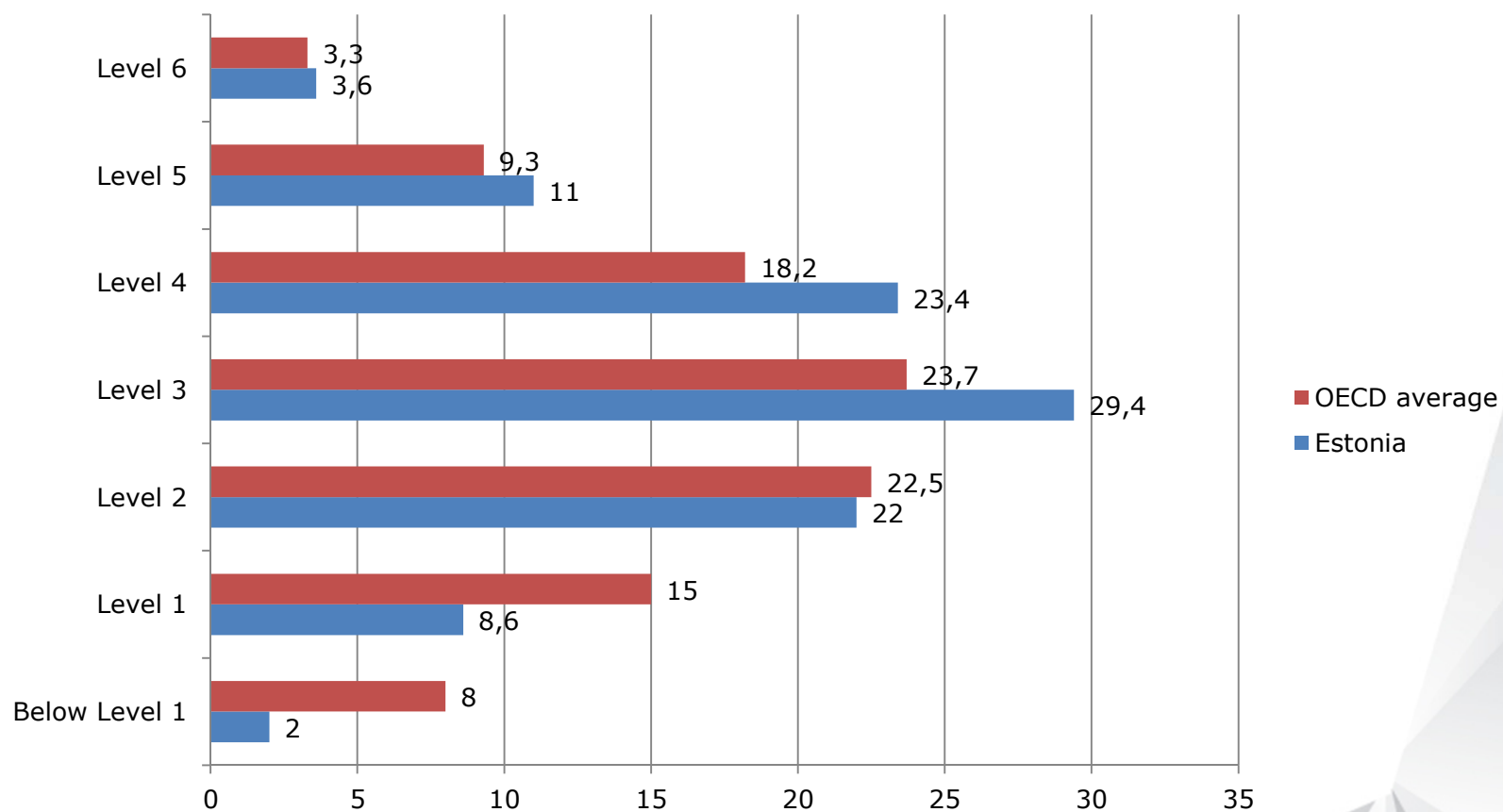
PISA 2012

Mathematics			Reading		Science	
No	Points	State	Points	State	Points	State
1	613	Shanghai (China)	570	Shanghai (China)	580	Shanghai (China)
2	573	Singapore	545	Hongkong(China)	555	Hongkong (China)
3	561	Hongkong (China)	542	Singapore	551	Singapore
4	560	Taipei (China)	538	Japan	547	Japan
5	554	Korea	536	Korea	545	Finland
6	538	Macao (China)	524	Finland	541	Estonia
7	536	Japan	523	Ireland	538	Korea
8	535	Liechtenstein	523	Taipei (China)	528	Vietnam
9	531	Switzerland	523	Canada	526	Poland
10	523	Netherland	518	Poland	525	Canada
11	521	Estonia	516	Estonia	525	Liechtenstein
12	519	Finland	516	Liechtenstein	524	Germany

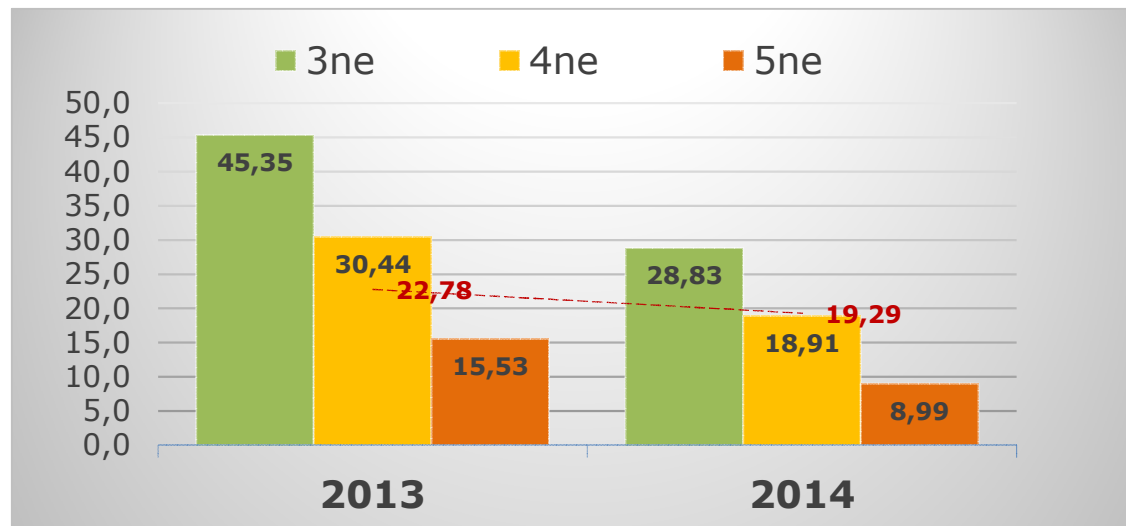
Maths proficiency levels PISA 2012



- Level 6 is the highest and Level 1 the lowest



Advancement of different ability groups (3-lowest and 5-highest) during upper secondary in one random school



Math 2013 optional and 2014 compulsory, upper secondary
In one chosen school

ESF programme: “Raising the qualifications of general education teachers 2008-2014”

- **Project period:** 2008-2014 (extended to 2015)
- **Aim:** professional development. Also for school principals and support staff.
- **Narrower aim:** application of new curriculum (conferences for umbrella organisation of networks, spreading best practices)
 - Formative assessment
 - Integration of subjects
 - Creativity in school
 - Key skills approach
 - Entrepreneurship a.s.o.

Electronic bulletin:

- **Why teacher professional networks** are promising to encourage **bottom-up** activities, we know from works of Dylan Wiliam, Sir Ken Robinson and Andy Hargreaves.
- **What Works in Education**, we know from Dylan Wiliam and John Hattie works.
- This and other useful ideas and experiences have been spread using our **Teachers electronic network bulletin**
- Teachers are also writing about their experiences from **summer schools** and **international exchange**
- From the March 2010 there has been **24** numbers of bulletin

New opportunities given by project

- Opportunity to **cooperate between active members** of subject teachers networks members
- Teachers of **different school levels** are meeting: kindergarden, primary, secondary and general subject teachers from vocational education
- **Students are presenting their experiences** to teachers
- **Psychologists** give advice
 - how to cope with students with learning and behavioral difficulties
 - how to cope with stress in school
- Teachers and heads of schools get valuable **leadership experiences**

Organising 8 competitions to support the best ideas of teachers associations

- Different associations could have **different wishes**
- Goal was to promote teachers' **cooperation**,
 - to develop **subject associations**, rise their sustainability
 - to develop **visions** for cooperation
 - to develop **cooperation** between associations on country or county level and internationally
 - to spread **best practices**,
 - to **popularise** teachers profession
 - to spread International **research evidence**



Endnote



- All good ideas, what to do in classroom, have certainly not yet been invented.
- Often new opportunities are facilitated by technological innovations and school is behind of society
- Ideas and inspiration needs opportunity to spread and adapt
- Best ideas survive and not so good disappear
- All, what glitters, is not gold – what is research evidence?
- If some ideas are useful, others would like to try it out too – so let's give them opportunity

Thank you! Questions please!

