



Euroopa Liit
Euroopa Sotsiaalfond



Eesti tuleviku heaks



Üldhariduse pedagoogide
kvalifikatsiooni tõstmine 2008-2014

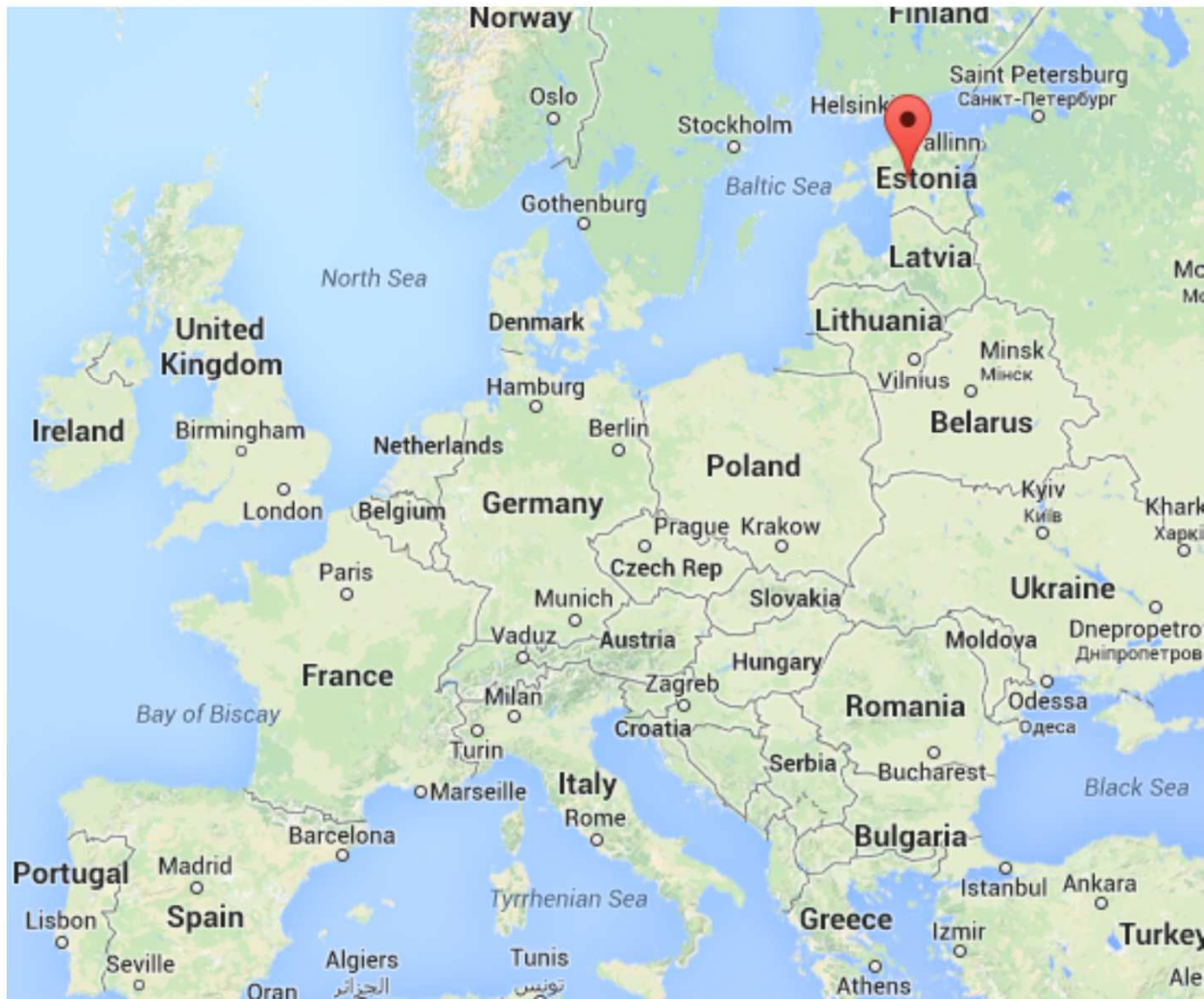


Teachers' Networking as a Means to Improve the Quality of Subject Teaching in Estonia

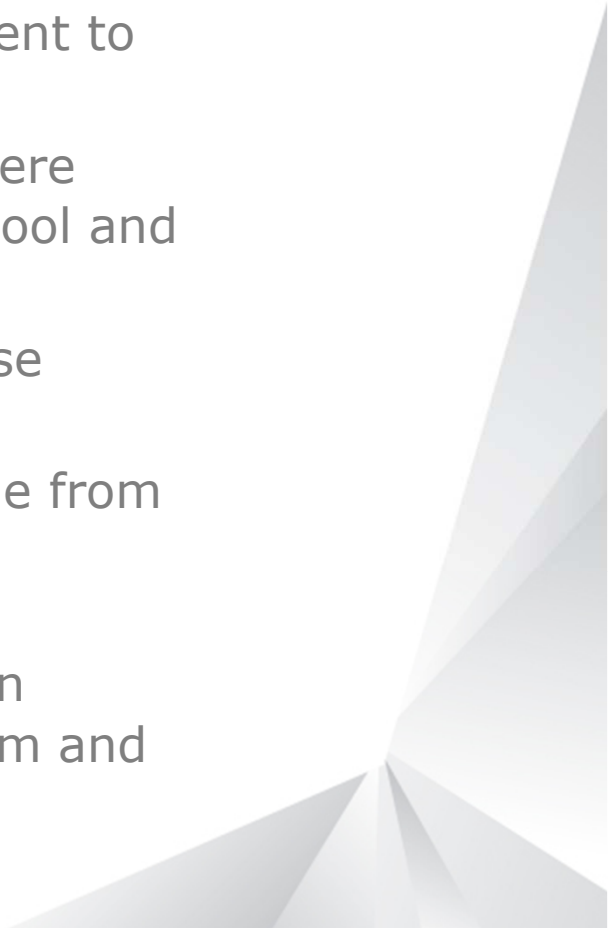
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Estonia on map

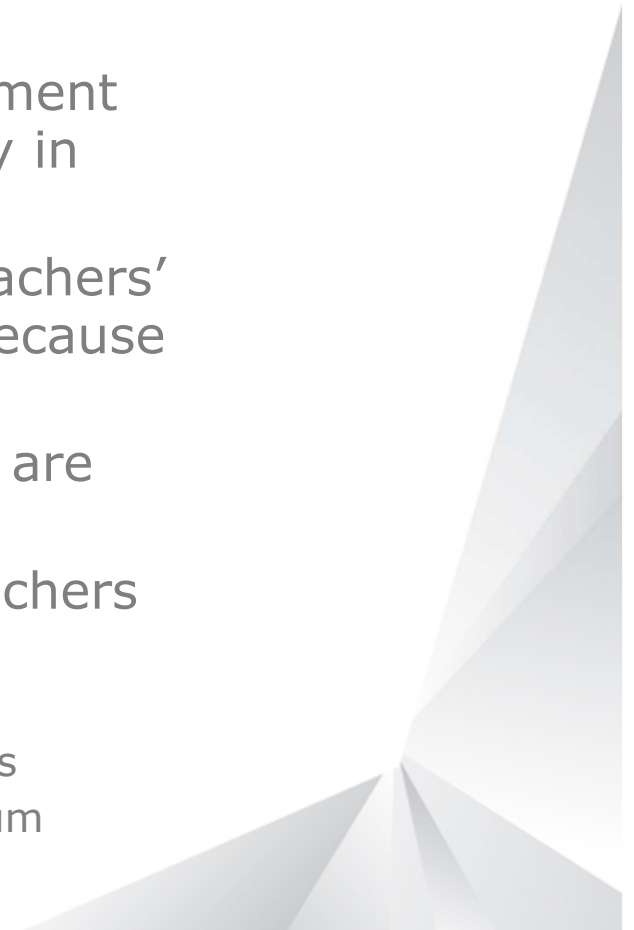


Estonian education

- First church schools opened in XIII Century
 - In XVI Century even homeless children were sent to school in Tallinn
 - Because of protestant religion, literacy rates were high (to marry, you had to study at church school and be able to read)
 - During the first independence time we had close cooperation with Europe in education.
 - Most of methodology used in Soviet times came from independence time, but the names were not mentioned (Johannes Käis)
 - We were allowed to experiment a bit more than others (we had our own Mathematics curriculum and books)
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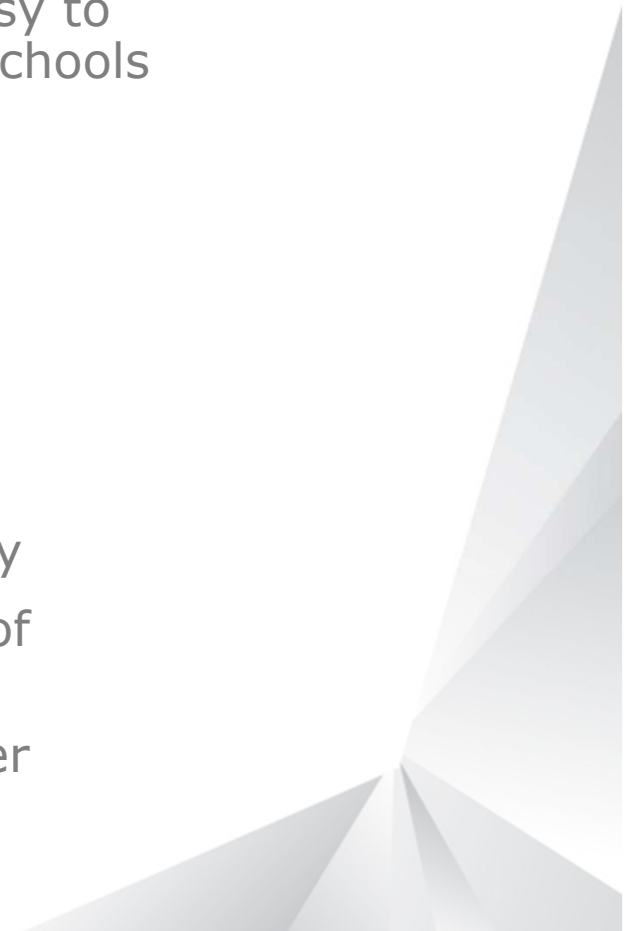
Teachers' networks

- If you have some extra money, it is always good to put in into teachers training
- We were earlier involved in external assessment (sometimes too influencial) and occasionally in curriculum development
- European projects were added to us and teachers' networks project was the most promising because of large audience
- Language immersion centre joined us, they are also doing teachers training
- what a good opportunity to introduce to teachers
 - John Hattie league table of best practices
 - Dylan Wiliam formative assessment
 - Andy Hargreaves teachers professional capital ideas
 - all modern ideas written in general part of curriculum



Subject teachers' associations

- In a small country (1,3m inhabitants) it is easy to run subject teachers networks and summer schools (we have long history)
 - Discuss the results of national exams
 - Put up new goals, what matters
 - Give methodical recommendations for improvement
 - Discuss, what to test next year
 - Discuss what is new in education generally
 - Discuss what is going on in the forefront of science
 - Discuss what was good in education earlier (Johannes Käis)
 - Discuss PISA results

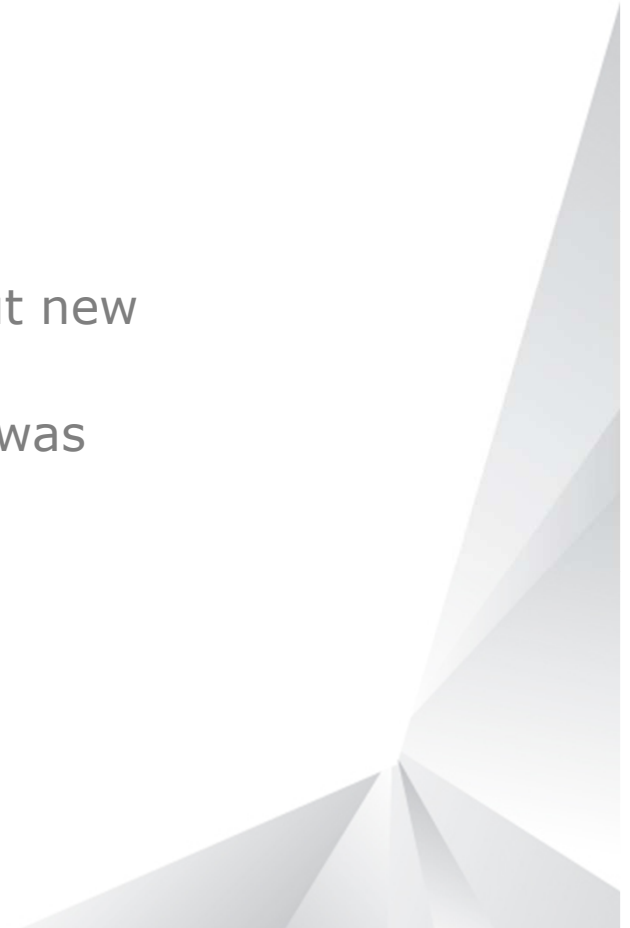


PISA 2012

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

Networking

- Not all kind of teachers had their association
 - Hospital teachers
 - Primary teachers
- We did not had network of networks to try out new things and find best practices
- To assist teachers cooperation, ESF proposal was written






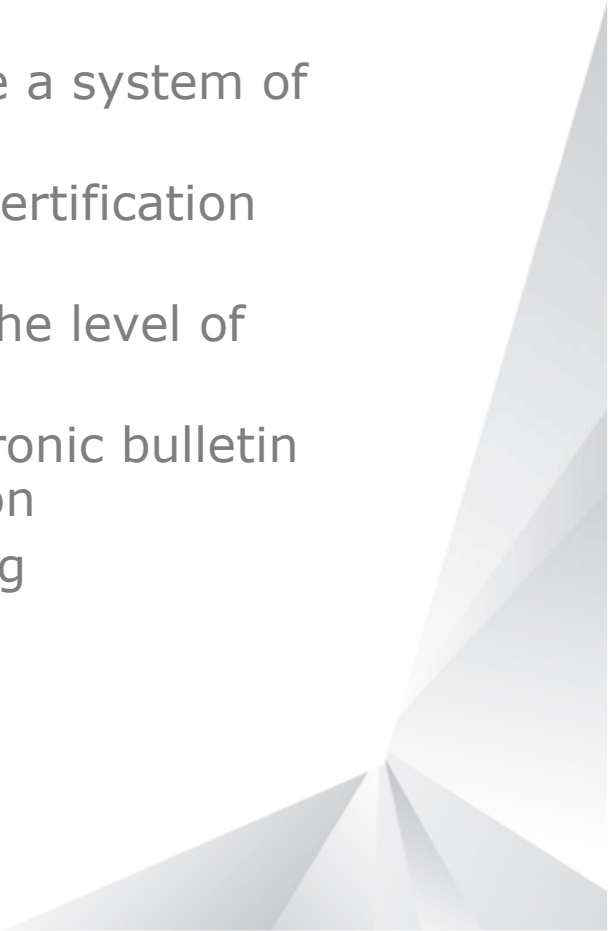
ESF programme: “Raising the qualifications of general education teachers 2008-2014”

- **Project period:** 2008-2014 (2015)
- **Aim:** to create conditions that would support the professional development and activity of general education teachers throughout their careers. Consisted also program for school principals and support staff.
- **Narrower aim:** to support the application of new curriculum (conferences for umbrella organisation of networks, spreading best practices)
 - Formative assessment
 - Integration of subjects
 - Creativity in school
 - Investigative learning
 - Entrepreneurship a.s.o.

Other ESF projects we also have

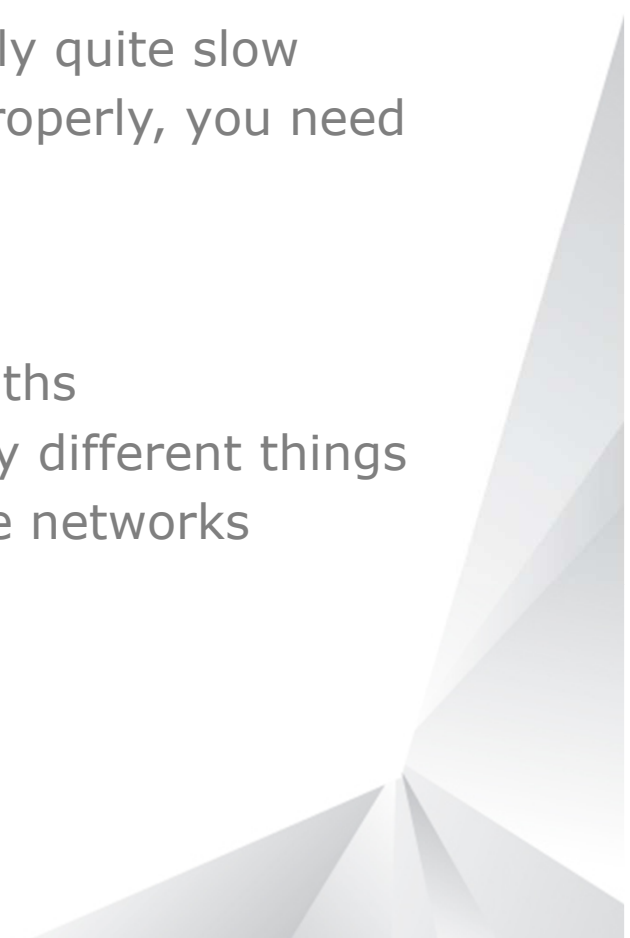
- Publishing SEN learning materials
 - Education counselling system
 - Developing e-assessment bank
 - Developing internal evaluation of schools
 - Projects for vocational education (curriculum and popularisation)
 - Carriere guidance projects
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More specific aims of our programme:

- Support professional development, create a system of in-service teachers training
 - Developing (application) of qualification certification principles
 - Developing teachers networks for rising the level of professional qualification of teachers
 - issuing periodical (4 times in year) electronic bulletin about experiences of teachers' cooperation
 - carrying out TALIS (Teaching and Learning International Survey) 2013
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Where we got inspiration from?

Dylan Wiliam ideas

- Development of teachers is usually quite slow
 - To apply formative assessment properly, you need teachers support groups
 - Teachers are different
 - They work in different conditions
 - They should invest in their strengths
 - So different teachers should study different things
 - Best way for sharing practices are networks
 - Speed of application is high
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Where we got inspiration from?

Sir Ken Robinson ideas

<http://www.youtube.com/watch?v=BEsZOnyQzxQ>


- innovation goes from the ground up
- best ideas survive, not so good disappear
- you can not plan what will survive
 - example: rock'n'roll music was not a Government plan, piloted and agreed in Brussel
- teaching is an art form
- institutions are like organisms part of ecosystem; adaptability and creativity are important, cultural values are important; individuals are important, so we need a broad education to speak to everyone; encourage participation habits.

Network of Education Policy Centres (NEPC)

- **networking helps spread quality education**

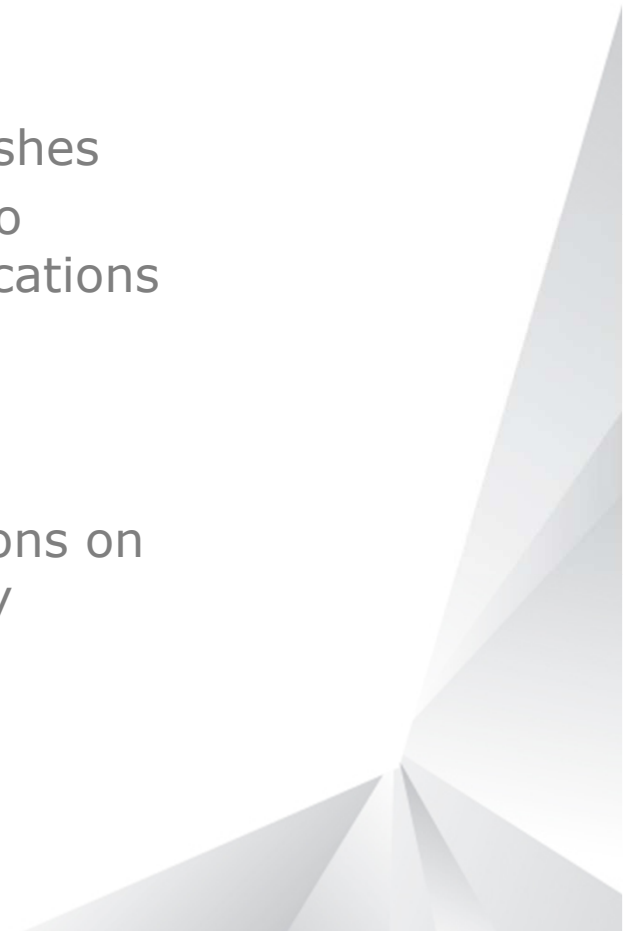
Seminars for school teams

If only single teachers from school participate, it is less effective compared to school teams

- Teams consist of
 - headmaster
 - deputy headmaster
 - key teachers
 - Seminars about
 - application of new curriculum
 - formative assessment (also regional seminars)
 - teaching SEN children,
 - exam prepared in schools (regional seminars)
 - about leadership - for teachers who are leaders
 - about leadership for school teams
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Competition for best ideas to support teachers associations

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



Thank you! Questions please!

