



KESKKONNAAMET

# Nature education in Estonia

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Environmental Board

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Roosta

# Environmental education

## network

### Nature centres

~120 > 500

curriculum based  
ESD programs for  
students

### Schools

Cross-curriculum  
theme since 2002  
„Environment and  
sustainable



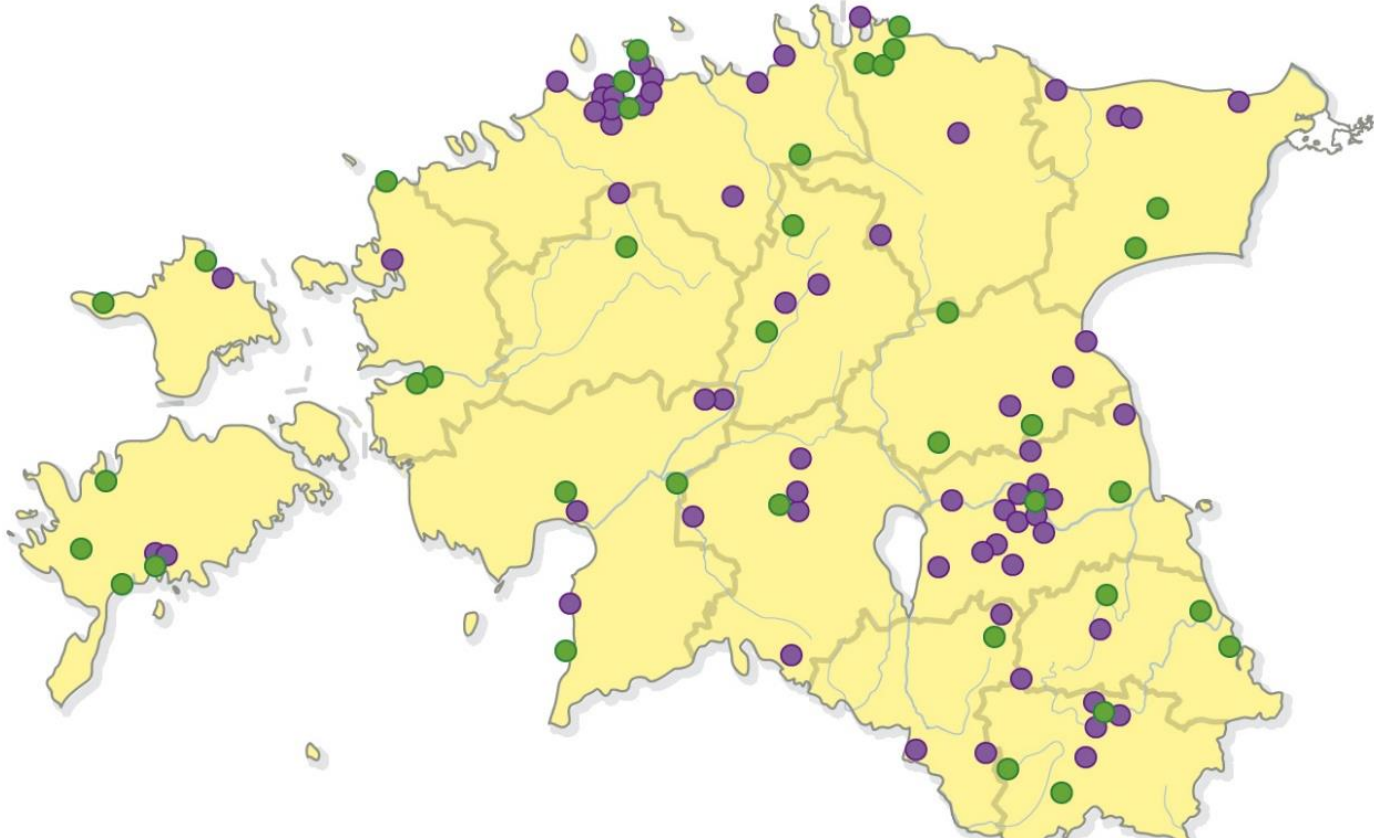
Environmental  
Investment Centre  
Simplified applying  
system

dev



# Network of Environmental Education Centers in Estonia

- Centers that are financed by the Ministry of Environment
- Other centers that are managed by municipalities, universities, NGOs, etc.



First EE centers were established in 1950's

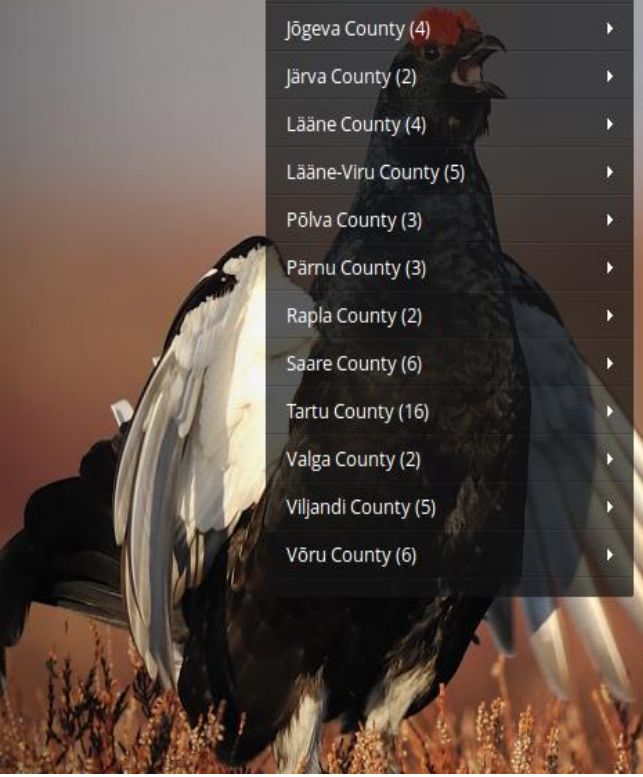
More than 100 centres: 35 public-owned by Ministry of Environment

Other centers managed by municipalities, universities, NGOs, etc.



- WELCOME
- CENTRES
- NEWS AND EVENTS
- VIDEO BANK
- CONTACT US

- Environmental education bus ▶
- Harju County (12) ▶
- Hiiumaa (3) ▶
- Ida-Viru County (4) ▶
- Jõgeva County (4) ▶
- Järva County (2) ▶
- Lääne County (4) ▶
- Lääne-Viru County (5) ▶
- Põlva County (3) ▶
- Pärnu County (3) ▶
- Rapla County (2) ▶
- Saare County (6) ▶
- Tartu County (16) ▶
- Valga County (2) ▶
- Viljandi County (5) ▶
- Võru County (6) ▶



Centres

 Print



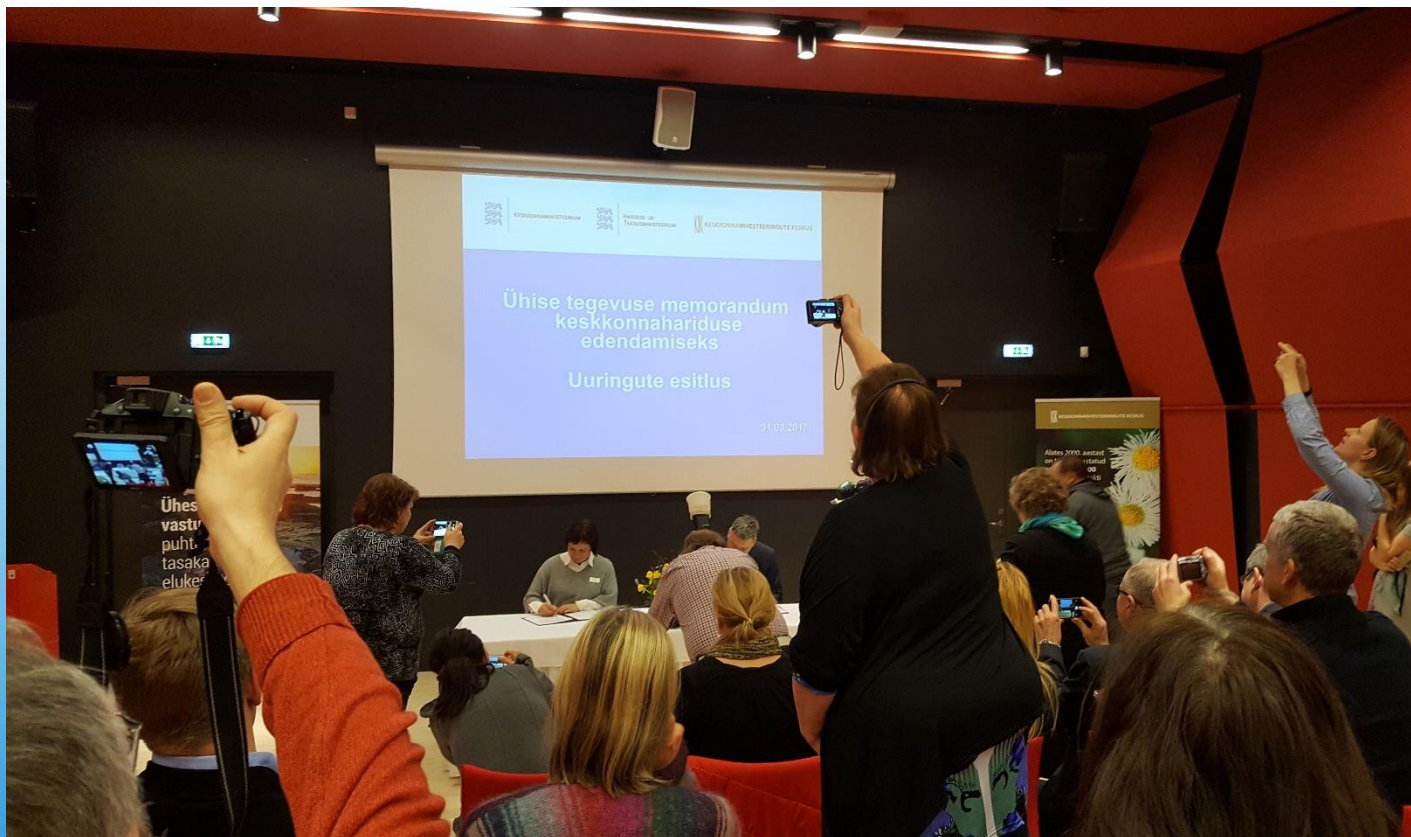
Click here to activate the map

OVERVIEW OF THE CENTRES

Welcome to the page of environmental education centres!  
The centres page includes an interactive map of Estonia designed to inform the web portal user about the institutions involved with environmental education in Estonia. The map application can display environmental education centres all over Estonia or by individual counties.  
Clicking on a centre on the map, the visitor is automatically directed to the sub-page of the corresponding centre.

[www.keskkonnaharidus.ee](http://www.keskkonnaharidus.ee) web page of Estonian environmental education

# Memorandum on joint activities to promote ESD



March 31, 2017

# Environmental education development in 2010- 2015



## Development of EE infrastructure in Estonia 2010- 2015 (European Regional Development)



Totally 22,4 **million €** + 15 % self-financing

- 5 new buildings for EE centers
- 18 renovated centers
- in 29 centers exhibitions and equipment renewed
- Environmental education bus



# Environmental education bus



# New buildings for EE centers





# Exhibition about waste management







# Environmental education development in 2010- 2



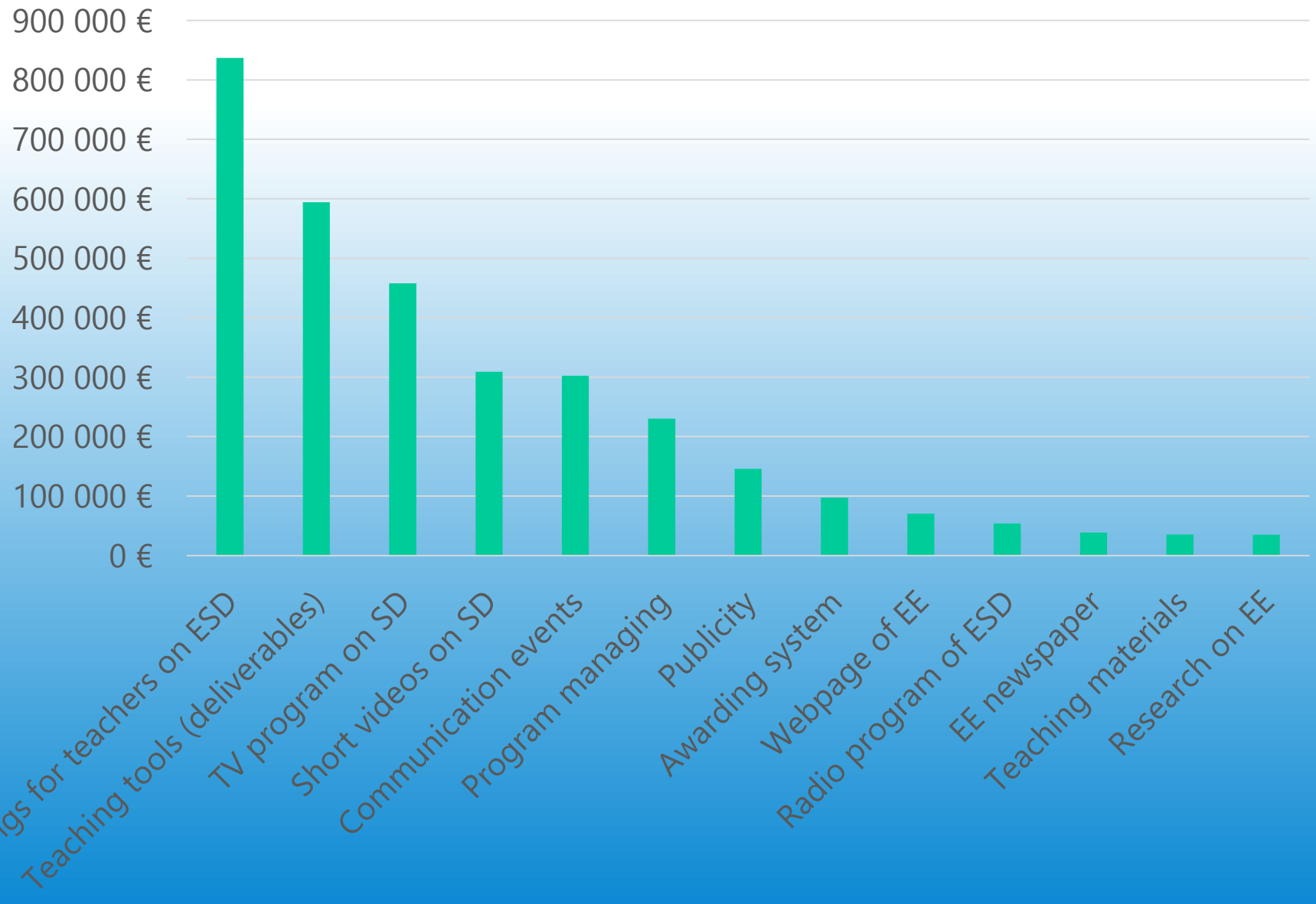
## Governmental institution project for implementing ESD:

European Social Fund (ESF) measure  
"Development of Environmental Education"  
**3.19 million €** for teacher training and  
public awareness rising for the period 2011-  
2015



# European Social Fund program 2011-2015

## Activities and volume



# TEACHING TOOLS AND MATERIALS FOR FREE BORROWING

E- MATERIALS: <http://avastusrada.ee> <http://www.keskkonnakompass.ee> <http://e.loodus.ee>

MORE INFORMATION: <http://www.keskkonnaharidus.ee/oppematerjalid/oppevahendid/>



CLAY HOUSE MODEL



FAIR TRADE GAME



PEAT BOX



LOTTE NATURE GAME



WHERE IS LIFE MORE SUSTAINABLE?



MEADOW SUITCASE

# Exhibitions for free borrowing

1. Exhibition about nature protection: 3 sets
2. Exhibition about Gulf of Finland: 5 sets
3. Exhibition about waste management: 1 set





# The maker of the year ... 2017

## **BIRD** (s1995)

*Streptopelia turtur*  
*Streptopelia decaocto*



## **TREE** (s1996)

*Crataegus*



## **ORCHID** (s2010)

*Herminium monorchis*



## **MAMMAL** (s2013)

*Capreolus capreolus*



## **BUTTERFLY** (s2014)

*Catocala fraxini*



## **SOIL** (s2014)

*Podzol*



## **MOSS** (s2017)

*Polytrichum commune*



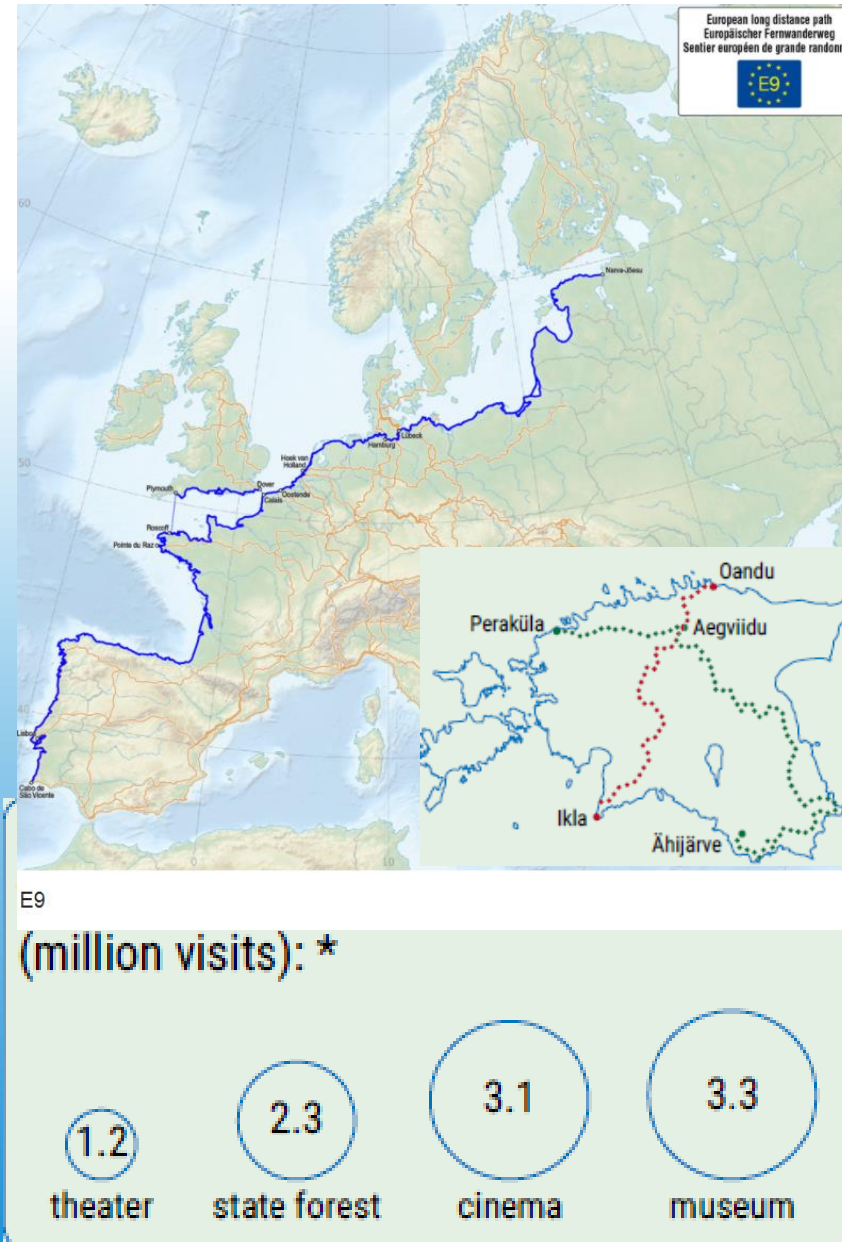
## **MUSHROOM** (s2017)

*Cantarellus*



# Nature trails

- More than 215 nature trails, first were established in 1960's
- Long distance hiking route two branches through Estonia (375 and 820 km long)
- Visits to nature recreation areas is increasing



# Results of state policy

**70% of students of general schools** attend yearly environmentalal education programs provided by nature centres

**Network of 120 EE centres** with contemporary equipment and educated personnel is actively cooperating with formal education system

**290 pieces of tools** for free borrowing for schools and kindergartens

**900 teachers** and specialists from EE centres participated in **ESD trainings** in 2013-2015



# Future plans

Ministry of Environment in cooperation with the Ministry of Education and Research is preparing the **action plan of environmental education**

- Creating a **certifying/qualification/financing system** for nature centres
- As the budget is decreasing, only the activities that are **more targeted** could be financed by state **on priority topics**
- Using ICT in creating **virtual trails** and learning environments- [Avastusrada.ee](http://Avastusrada.ee), etc

**Motto: Unity through balance**  
**Our story: Synergy between nature**  
**and innovative thinking**



**EU2017.EE**

**Estonian Presidency of the Council of EU**

# Thank you!

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