

Integration of Active Learning and Energy Monitoring with School Curriculum



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Project Summary



- **Target group:**
 - Children aged 6-12 years – future decision-makers and energy consumers
- **Pedagogical philosophy:**
 - Learning by having fun – active participation creates higher and better retained knowledge
- **Ensure sustainability:**
 - Strategy for integration of education in sustainable energy exploitation into school and national curricula
- **Tools for teachers:**
 - Toolbox with 24 activities tested and available at www.teachers4energy
- **Success stories:**
 - 184 Champion Schools lead the way
- **Project consortium:**
 - 16 partners representing 14 countries



Background

- Children are the energy users of the future – changes in attitude are vital to a sustainable energy future
- Children should take active part in their education and learn by having fun
- Energy is part of many school subjects but is still often not permanently integrated in the curricula
- Tools and success stories are needed
- Knowing your energy consumption pattern is a precondition for knowing how to make it sustainable



Objectives and Main Steps



➤ Objective:

- Pave the way for integration of AL in national curricula



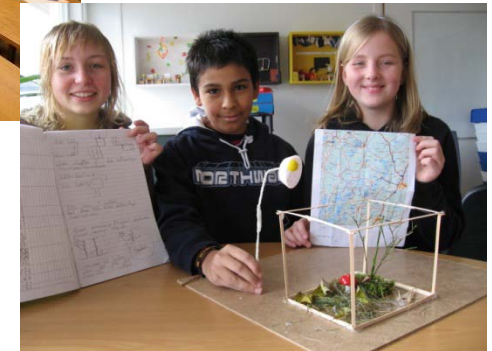
➤ Main steps:

- Mapping of current situation leads to strategy for integration
- Collect and adapt tools for active learning and energy monitoring activities targeting school pupils aged 6-12 years
- Implement active learning and energy monitoring in more than 10 pilot schools in each partner country to create frontrunners
- Collect energy monitoring data for international comparison and learning at www.sustain.no
- Evaluate impact and disseminate achievements

What makes us special?



- Focus on creating/collecting fun Active Learning exercises that can supplement existing materials
- Toolbox tested and evaluated in 14 EU countries (does AL pedagogical principles everywhere?)
- Large geographical coverage which supplements the SPARE project area
- Registering energy monitoring data at www.sustain.no
- Pincer movement, i.e. influencing the national curriculum decision-makers at the same time as engaging schools and school teachers
- Creating a forum for dialogue among the relevant actors
- Creating local and national visibility



Expected / Achieved Results



➤ Expected long-term results:

- Reduced energy use in school buildings (and in private homes)
- Lasting change in attitudes towards energy use among children aged 6-12 years

➤ Immediate results:

- Strategy for integration of education in sustainable energy exploitation into school and national curricula
- Activity toolbox for active learning and energy monitoring
- Success stories from implementation in 184 schools



Partners and Contact

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www.consortium4al.eu

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No.	Partner	Country
CO	NEE	Norway
2	CRES	Greece
3	ABEA	Belgium
4	ADEME	France
5	Eliante	Italy
6	NSEA	United Kingdom
7	Motiva	Finland
8	STEM	Sweden
9	DPSE	Norway
10	LEI	Lithuania
11	EC BREC	Poland
12	Innoterm	Hungary
13	ApE	Slovenia
14	ESE	Poland
15	EAP	Bulgaria
16	SEVEn	Czech Republic