HOUSE of SCIENCE
VidensBy Sønderborg
Public, private partnership
The ”DNA” for this partnership

• The aim for House of Science is to qualify and engage teachers and other educators
• to focus on climate, innovation and sustainability – through STEM- subjects, and local, green examples of informal learning environments
• - and the importance of these subjects in society,
• so children and students gain interest in natural science from ABC to PhD, and hereby
• find it attractive to take active part in forming a sustainable future,
• which very well can set off in Sonderborg!
Organizing and dissemination

Support from partnership
• Science advisor to pre-K/K and nature schools
• Science coordinators in all 17 schools
• House of Science contact teachers in all 5 upper high schools
• Cooperation with University
• International cooperation
15,000 science-ambassadors in action for Sonderborg’s energy transition

- **Southern University/Alsion**
  Age 18-30

- **Vocational edu.**
  Age 16-25

- **Upper high School**
  Age 16-20

- **Public schools**
  Age 6-15

- **Pre–K and kindergarten**
  Age 0-5
Synergies – a way to success
Green curriculum

Examples:
- Recycling
- Saving water and energy
- Local energy plants
- Cooperation with companies
- Informal learning environments
- Climate, innovation and sustainability
Cooperation with companies
Green Generation
Sustainability through education

• Campaigns – to reach the parents through their children

• Cross-sectorial cooperation—supply, department for waste, pre-K, kindergarten, public schools
Projects for upper High Schools

- Week of science
- PhD lectures
- Science parliament
- Peer Learning
- Math cooperation
- Energy competition – Future energy challenge
- Most in cooperation with University
Why can it be difficult?

The departments in a Municipality?
A organisation with no spontane causes for cooperation

Departments
• Special knowledge
• In-house cooperation
• Departments in many locations

schools
• Focus on learning
• 17 public schools
• 9,000 children
A *reason* to cooperate – *that matters*

- **CO2-neutral in 2029** – political decision
- **Waste = ressource** - national and local fokus
- **Green curriculum** – adjusting to reforms
- Justifying aims *through* learning
Many sustainability projects

• Key Feature Indicators:
  – Inclusion
  – ITC-in kindergarten
  – Quality in schools:
    • VidensBy-project
    • Green Generation
4 – 17 – 42-Thinking

Connection of the sustainability projects:

• The 4 sustainability areas in Municipality of Sonderborg

• The 17 goals for sustainable development
  – No. 4. – quality in education – for all
  – No. 7 – sustainable energy – for all
  – No. 17 – global partnerships for sustainability

• An ”umbrella” for all this:
  – 42 Sustainable Learning City-Key Feature
  – Effectiv measurements of developement
The organisation

- Sustainability in 3 policy committees
- Committees for cultural and regional development
- Committee for children and education
- Committee for technick and environment
- Cross sectional principles
Sønderborgs 2050-work – involving citizens, cross sectional cooperation, public, private partners

Konsortiets udvalgte ideer

HVOR SKAL VÆKSTEN KOMME FRA?
Styrker 2xT: Teknologi, Talent
1. Bright Green Valley
2. Sønderborg som demonstratorium
3. Bæredygtig landbrugs cluster
5. Als – et paradis for ressourcestærke ældre
15. Sønderborg luftahavn er gateway til omverdenen

LAD MENNESKER UDFOLDE SIG OG SKABE SØNDERBORG 2.0
- EN UNG, SKÆV, RUMMELIG OG GRØN BY I UDVIKLING
Styrker 2xT: Tolerance, Talent
4. Legeplads med højt til loftet
6. Frirum for kulturel udfoldelse
7. Lad de krøllede hjærner folde sig ud
9. Chillout & parkour
20. Ungdomshus og –boliger

LÆRING & KOMPETENCER
Styrker 2xT: Talent, Teknologi
18. UNESCO Learning City
19. Teknologi på højt plan
Aim, milestones, assessments – engaging children and students in Sonderborg – the most important ressources.
Science as a driver for the huge transition of Sonderborg