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 = resource - national and local focus
- 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 development
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 lufthavn er gateway til omverdenen

**LAD MÅNDESKER UDFOLE 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 hjerner 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