HOUSE of SCIENCE

VidensBy Sønderborg

Public, private partnership

Sønderborg

Bright Green Business
ProjectZero

AGS
ALSSUNDGYMNASIET
SØNDERBORG

STATSSKOLE SØNDERBORG

DET BLÅ
GYMNASIUM
SØNDERBORG

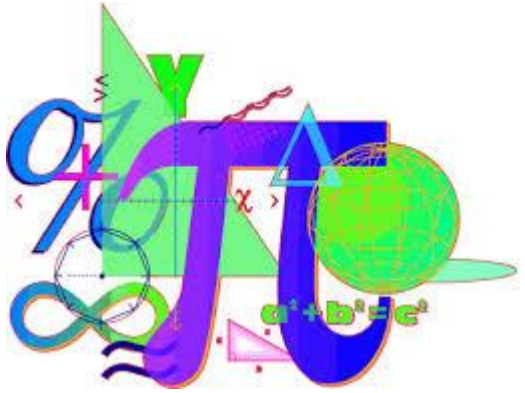
VUC syd
fremtiden er din...

EUC·SYD

Sønderborg Forsyning

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 dissimination

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

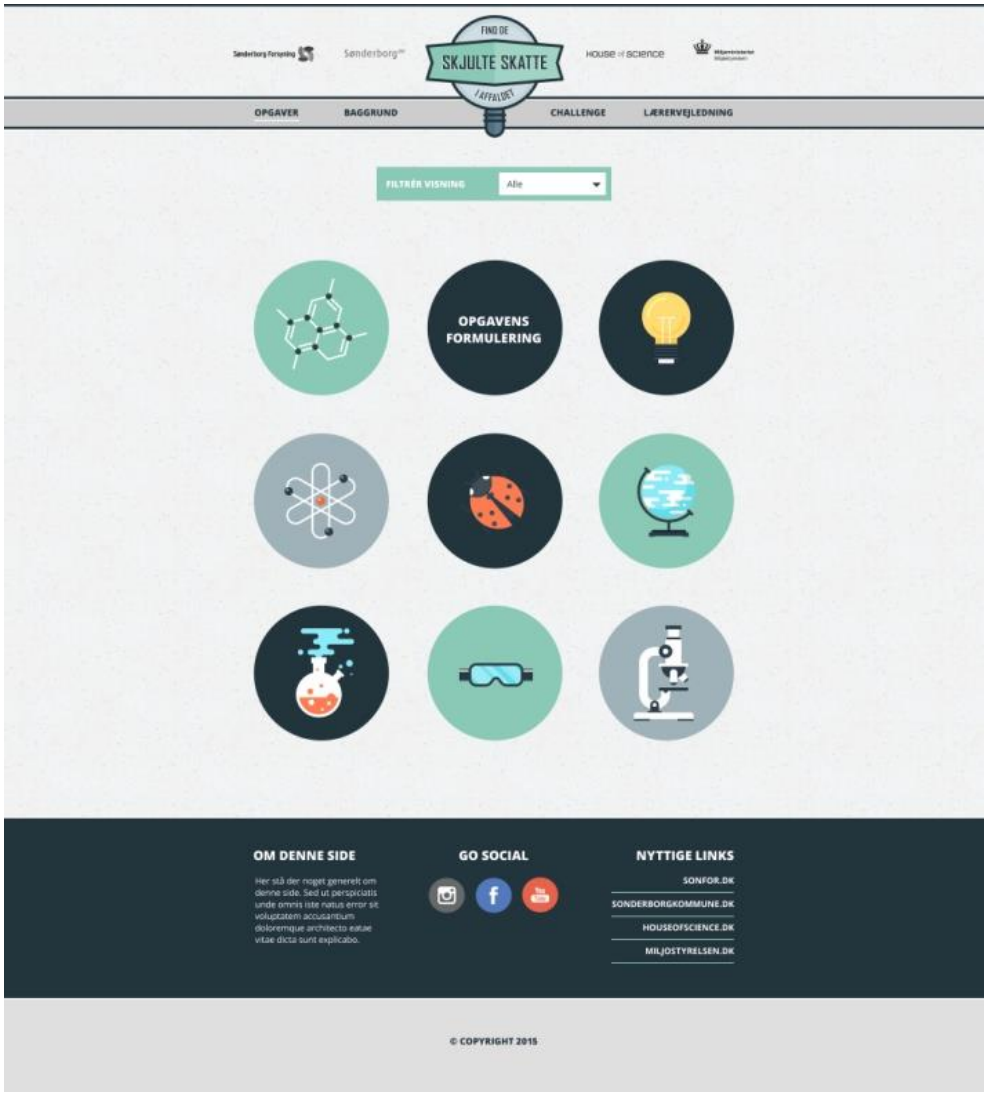
Vocational edu.
Age 16-25

Upper high School
Age 16-20

Public shools
Age 6-15

Pre –K and kindergarden
Age 0-5

Synergies – a way to succes



Sønderborg

Sønderborg Forsyning

HOUSE of SCIENCE

Green curriculum

***Exsamples*:**

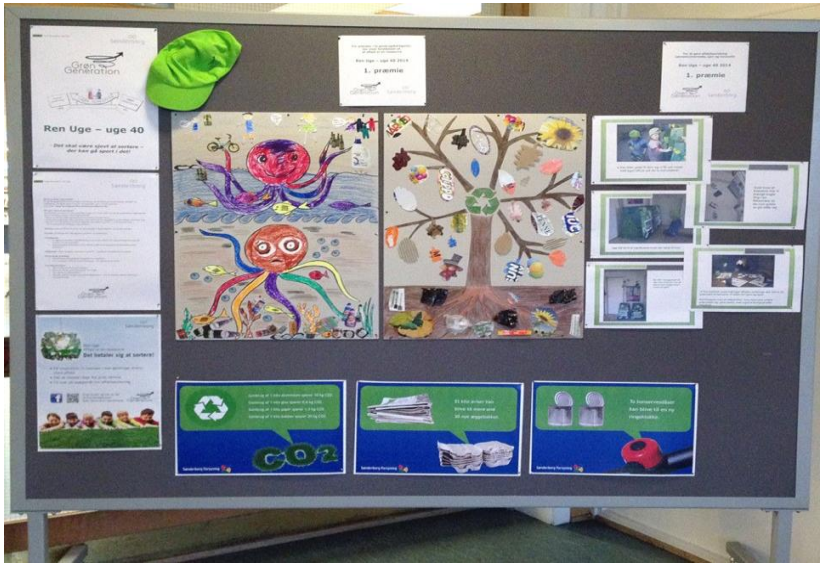
- Recycling
- Saving water and energy
- Local energy plants
- Cooperation with companies
- Informal learning invironments
- **Climate, innovation and sustainability**

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

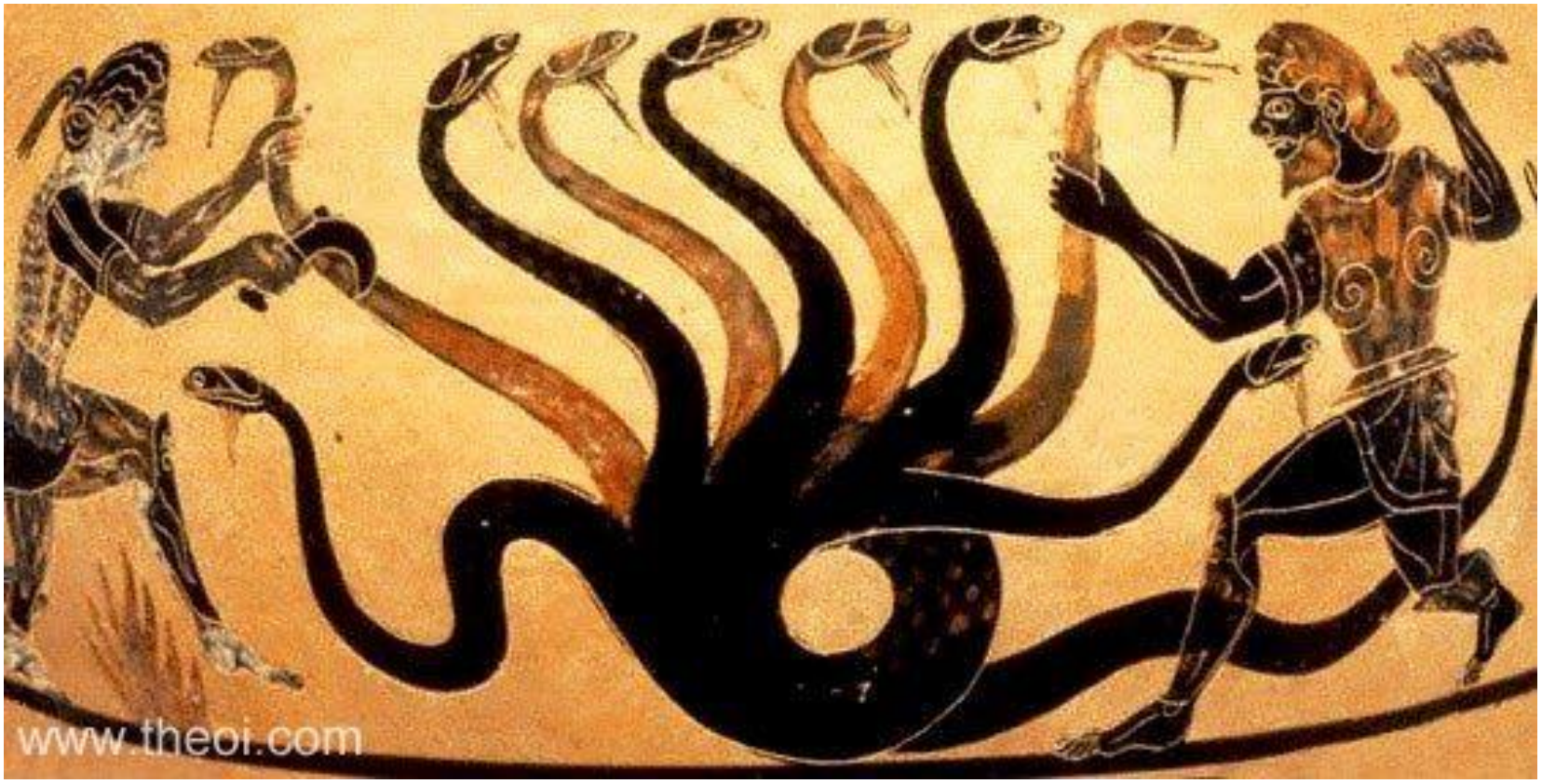


Projects for upper High Schools

- 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?

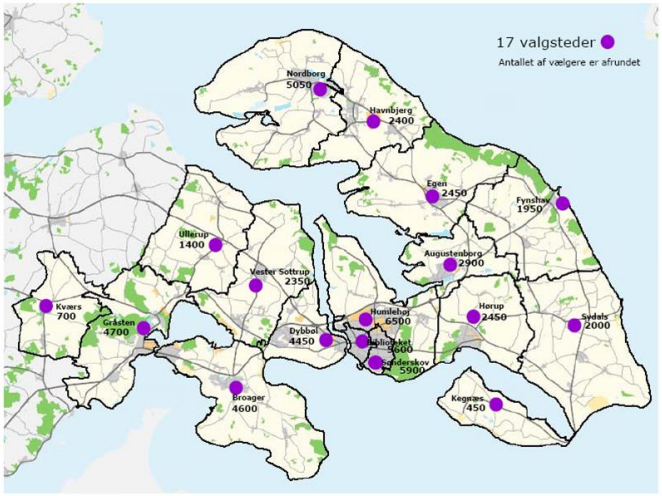
The departments in a Municipality?



A organisation with no spontane causes for cooperation

Departments

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

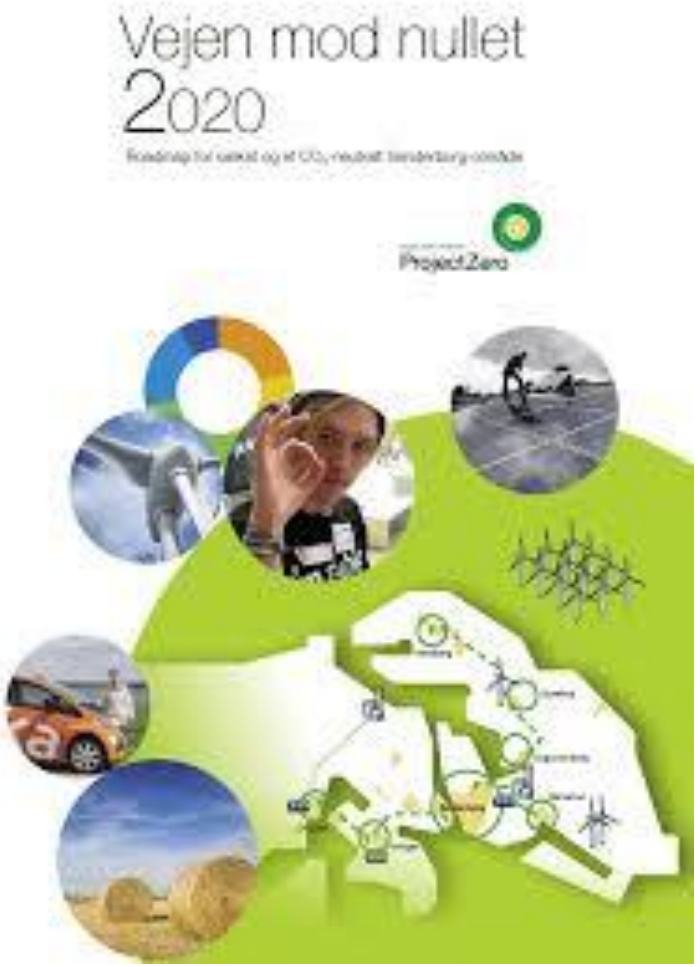


schools

- Focus on learning
- 17 public schools
- 9.000 children

A ***reason*** to coopearte
– that matters

- **CO2-neutral in 2029** – political dessicision
- **Waste = ressource** - national and local fokus
- **Green curriculum** – ajusting to reforms
- Justifying aims **through learning**



Many sustainability projects

- Key Feature Indicators:
  - Inclussion
  - ITC-in kindergarten
  - Quality in schools:
    - VidensBy-project
    - Green Generation

Grøn Generation

HOUSE of SCIENCE

GLOBAL HOUSE

HOUSE of CITIZENSHIP

HOUSE of HEALTH

HOUSE of CREATIVITY

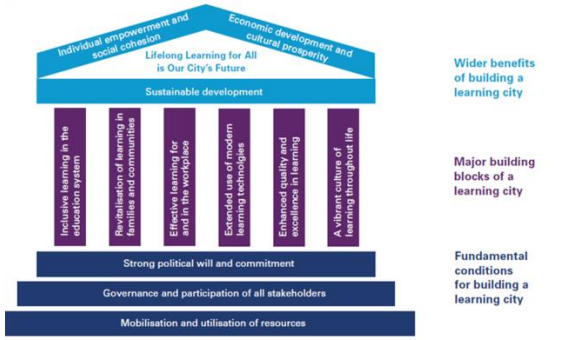
4 – 17 – 42-Thinking

Connection of the sustainability projects:

- **The 4 sustainability areas in Municipality of Sonderborg**

- **The 17 goals for sustainable developement**
  - No. 4. – quality in education – for all
  - No. 7 – sustainable energy – for all
  - No. 17 – global partnerships for sustainability

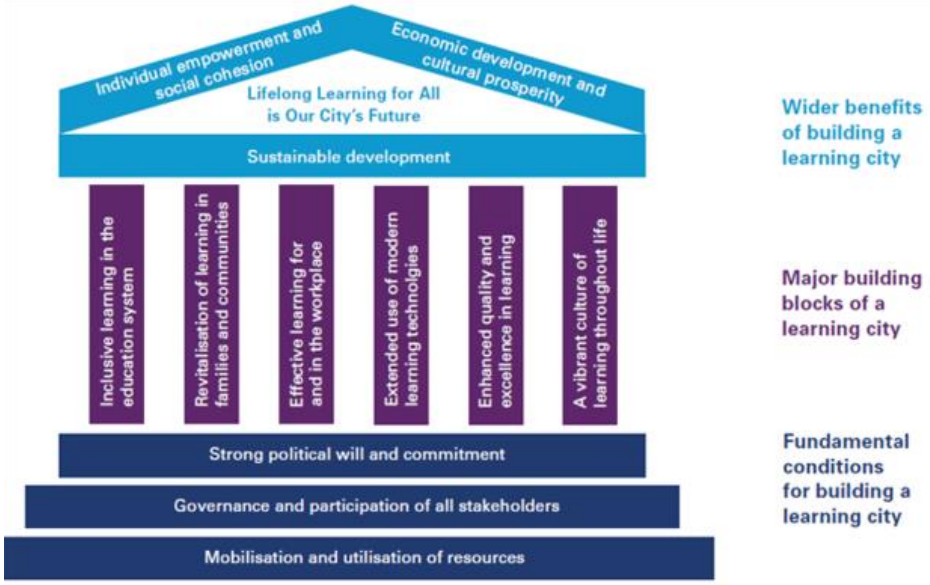
- **An ”umbrella” for all this:**
  - **42 Sustainable Learning City-Key Feature**
  - Effectiv measurements of developement



The organisation

- Sustainability in 3 policy committees
- Committees for cultural and regional developement
- Committee for children and education
- Commettee 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 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 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, assesments – engaging children and students in Sonderborg – the most important ressources

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Science as a driver for the huge transition of Sonderborg