



# HOUSE *of* SCIENCE

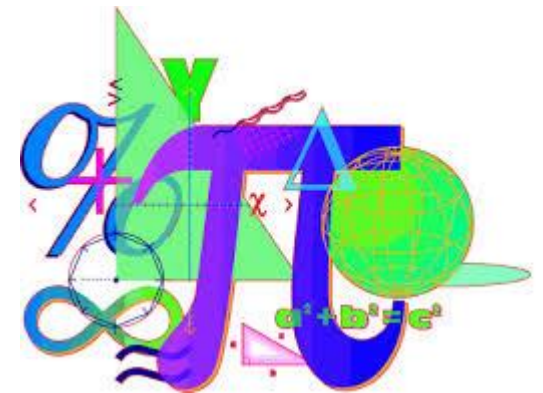
*VidensBy Sønderborg*

# 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 shools  
Age 6-15

Pre -K and  
kindergarden  
Age 0-5



# Synergies – a way to succes

Skanderborg Forsyning Søndersborg™ FING DE SKJULTE SKATTE HOUSE of SCIENCE Skanderborg Kommune

OPGAVER BAGGRUND CHALLENGE LÆRERVEJLEDNING

FILTRER VISNING Alle

OPGAVENS FORMULERING

OM DENNE SIDE  
Her står der noget generelt om denne side. Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque architecto estae vitae dicke xurs explicabo.

GO SOCIAL

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Sønderborg

Sønderborg Forsyning

HOUSE of SCIENCE

# Green curriculum

## *Exsamples:*

- 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



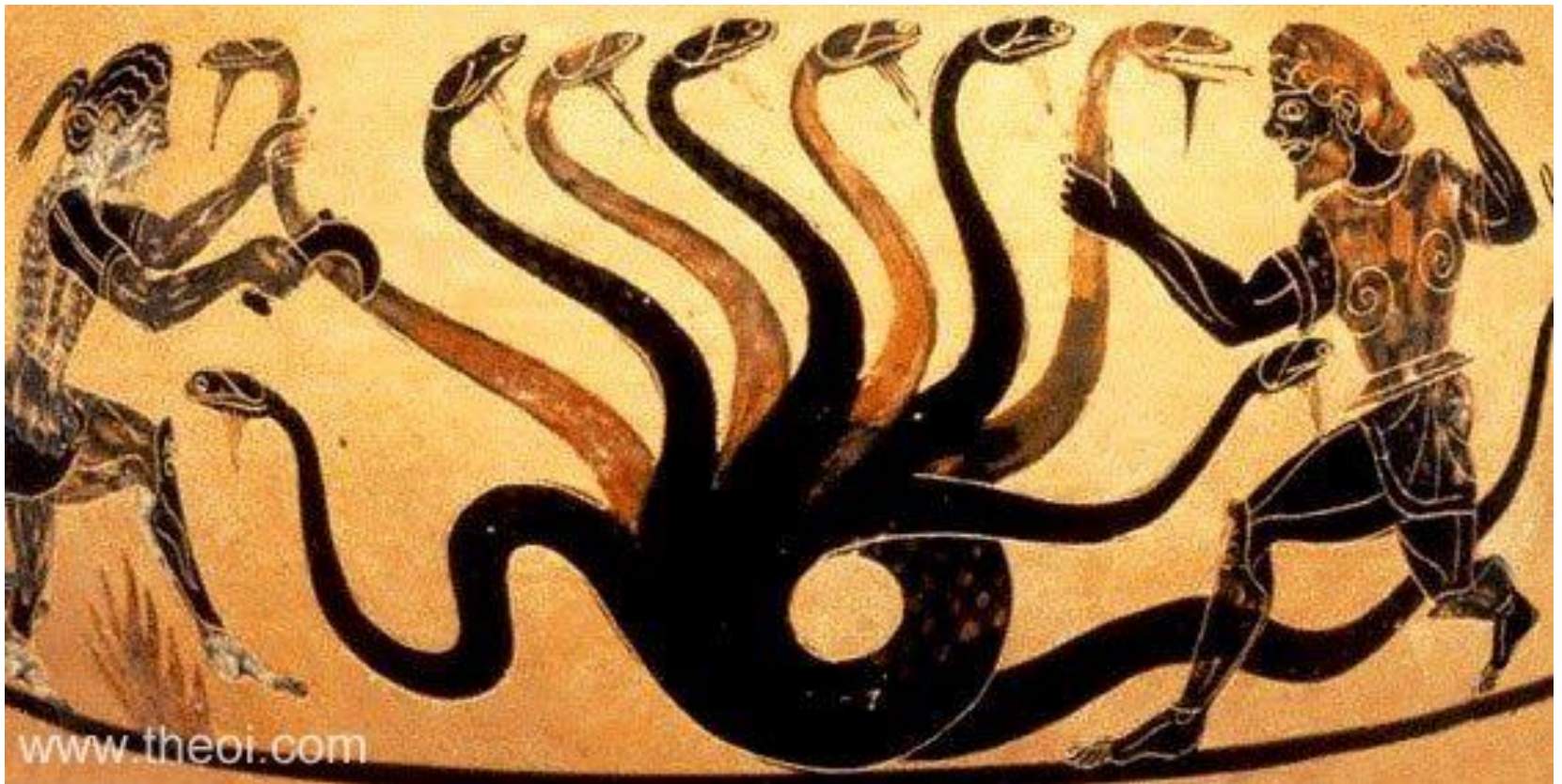
# Projects for upper High Schools

- 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?

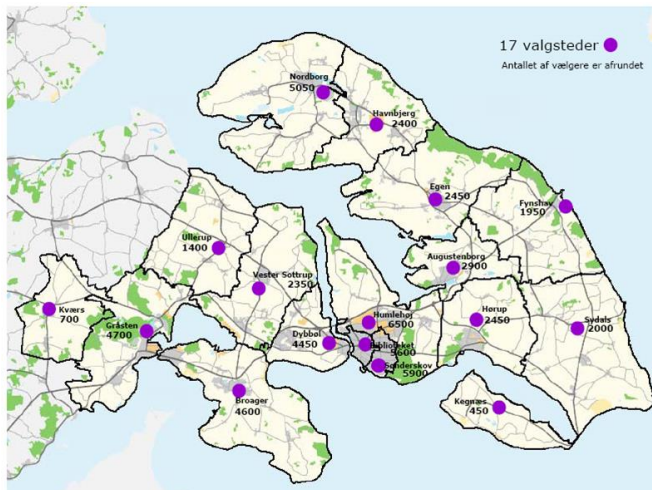
The departments in a Municipality?



# 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 coopearte – *that matters*

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



# Many sustainability projects

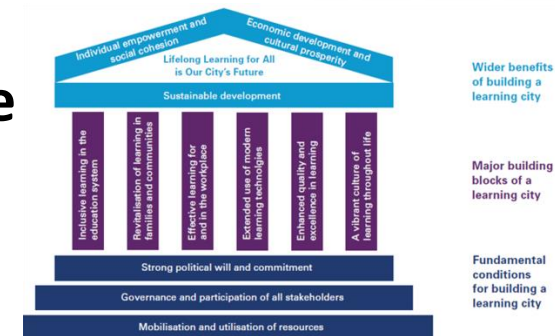
- Key Feature Indicators:
  - Inclusion
  - ITC-in kindergarten
  - Quality in schools:
    - VidensBy-project
    - Green Generation



# 4 – 17 – 42-Thinking

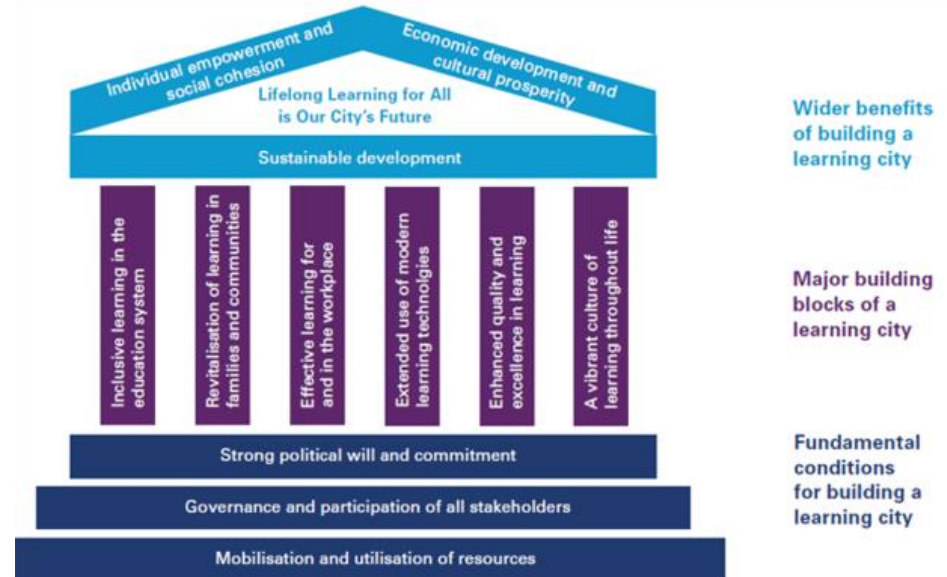
## Connection of the sustainability projects:

- 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 technique and environment
- Cross sectional principles





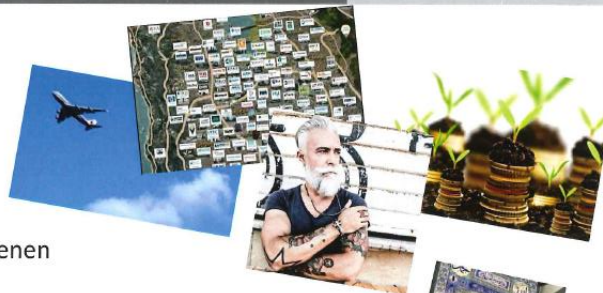
# Sønderborgs 2050-work – involving citizens, cross sectional cooperation, public, private partners

## 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 paradys 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, assessments
- engaging children and students in  
**Sonderborg**
  - the most important resources





# HOUSE *of* SCIENCE

*VidensBy Sønderborg*

**Science as a driver for the huge transition of Sønderborg**