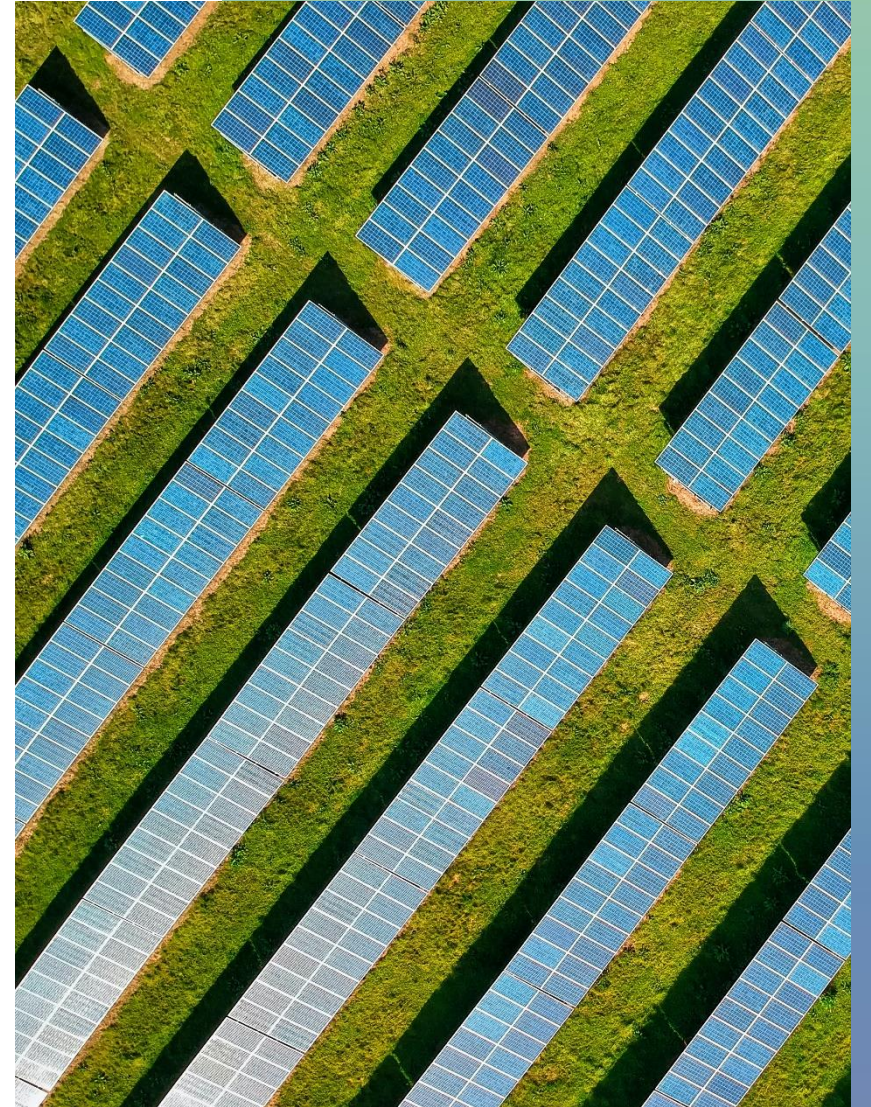


UNIVERSITY
OF OSLO

Case studies: **The Climate House**
and **Oslo Science City**

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Overview

Setting the stage

- The City – Oslo
- The University – UiO

The Climate House

- Building the building
- Exhibition space and arena for outreach

Oslo Science City

- Strategic collaboration
- Urban development
- Future knowledge-intensive workplace(s)



The City – Oslo



Capital of Norway

- Founded in 1048
- 700 000 inhabitants
- Between forest and fjord
- Ambitious climate targets:
 - Close to climate neutral in 2030 (95% reduction comp. to 2009)
- European Green Capital 2019
- Member of C40 Cities
- One of the 100 climate-neutral cities





The University – UiO

University of Oslo

- Founded in 1811
- 25 000 students/7000 staff
- Classical university with broad range of disciplines
- 8 faculties; 2 museums
- 3 interdisciplinary, strategic initiatives
– combined all the SDGs are covered
- Climate ambitions:
 - Comprehensive climate and environmental strategy
 - Cutting emissions (incl. scope 3) >50% by 2030



European Green Capital 2019

- UiO was an official partner
 - and part of the strategic board for EGC2019
- Carried out more than 25 events
 - Some in collaboration with the city
- Oslo was looking for *lasting contributions*
- UiO's main contribution:
 - *The Climate House*

Campus Strategy 2019

- Strategy for developing the «Knowledge capital»
- Key tool: establishing three innovations districts, including *Oslo Science City*





The Climate House

Facts

- First Nordic exhibition space focusing exclusively on climate
- Part of the Natural History Museum at the University of Oslo
 - and situated within the Botanical Gardens
- Official opening in 2020 (pre-opening in 2019...)
- The building was a 7M€ gift from the philanthrope Jens Ulltveit Moe

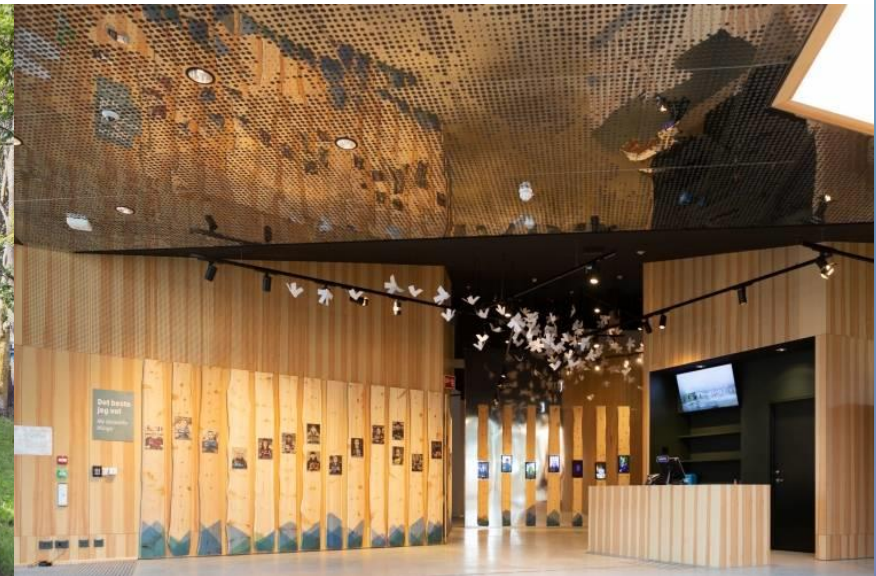




The Climate House

Building the building

- FutureBuilt pilot project, zero-emission building
- Fossil-free construction site
- Solar cells, natural ventilation (chimney effect)
- Local materials and low-carbon concrete





The Climate House

Made for the young generation

- The City of Oslo is a key sponsor!
- Open to the general audience
- Educational programs on climate
 - From kindergarden to high school
 - Age 12-16 is the core audience, though
- Arena for outreach:
 - Open events (free)
 - Closed events (rent)
- Also internal events/delegation visits etc. at the university



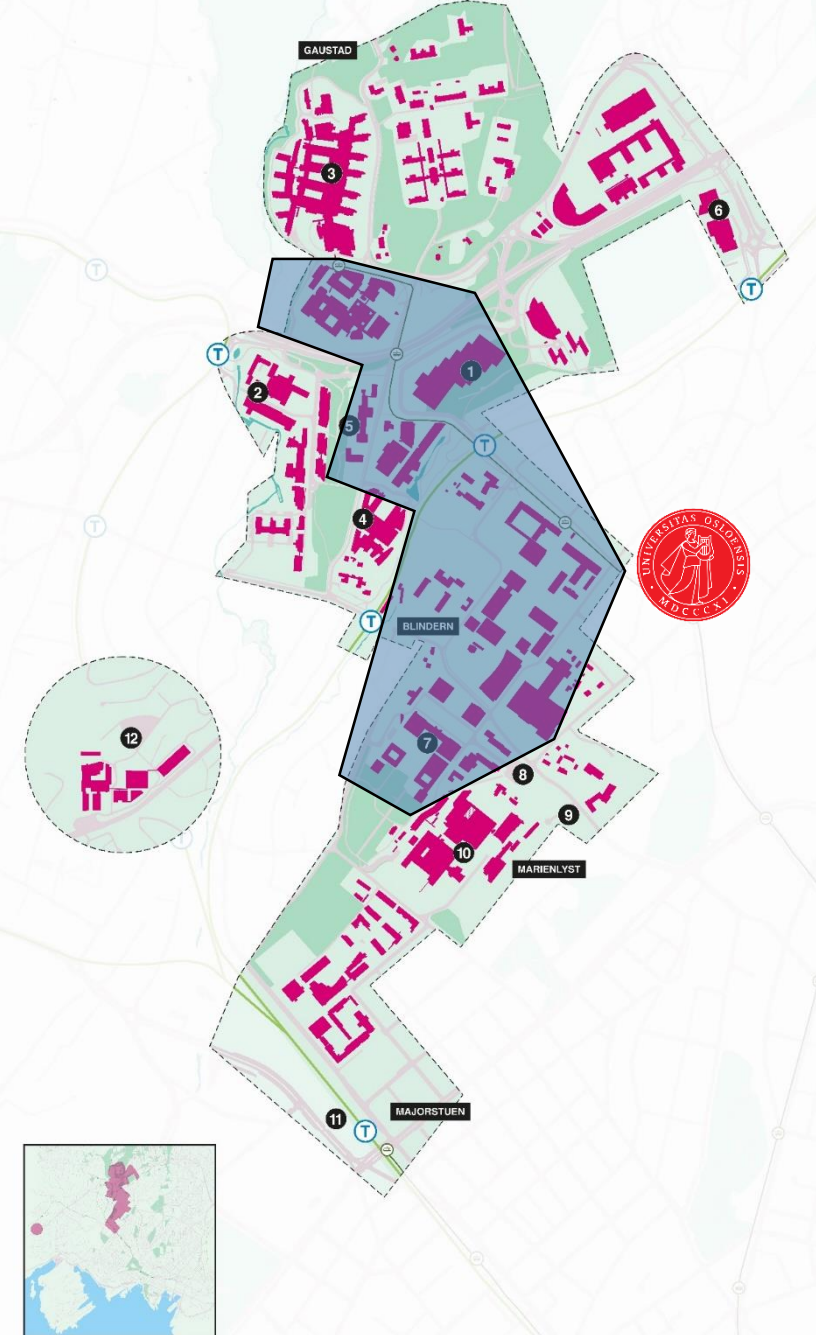


Oslo Science City

An innovation district

Geographical urban area where knowledge institutions and knowledge-intensive companies gather and collaborate with entrepreneurs, incubators, investors and government to promote innovation, creativity and commercialization of ideas, knowledge and research.

2,5 km





Oslo Science City

The ingredients

- The University of Oslo
- The University Hospital (24 000 employees)
- SINTEF (about 400 in Oslo; 2000 in total)
- A number of other research institutes
- Oslo Science Park w/StartupLab
+ a handful of incubators
- *An active City of Oslo!*
- Significant ongoing and planned development
(research, offices and housing)





Digitalization and computational science

Health and life science



Prioritized topics - *initially*

- Climate adaption
- Climate neutral cities
- Carbon capture and storage
- Hydrogen
- Battery technology
- Energy systems (and electrification)
- Circular economy
- Nature and biological diversity

Climate, energy and environment

Democracy and inclusion





Oslo Science City

Key possibilities for OSC

- Ecosystem centred around research and research infrastructure
- Oslo Science City Arena
 - A concept for large, collaborative conferences
- Smaller (thematic) events
- The innovation district as a test arena:
 - Energy solutions in buildings
 - Climate adaption
 - Smart mobility ++
- Students and student projects



Engaging with the city – some experiences

Works generally well

- Climate and sustainability in general – a common challenge
- Events and outreach, including communicating research
- Facilitation for or collaboration with schools
- Educating the work force of the future – Oslo wants more “green” jobs
- Urban development when interests align

More challenging...

- Urban development when interest do not fully align
- Research collaboration
- Getting access to various data



Far, far away he saw something bright and glittering
- The Norwegian folktale of Soria Moria castle