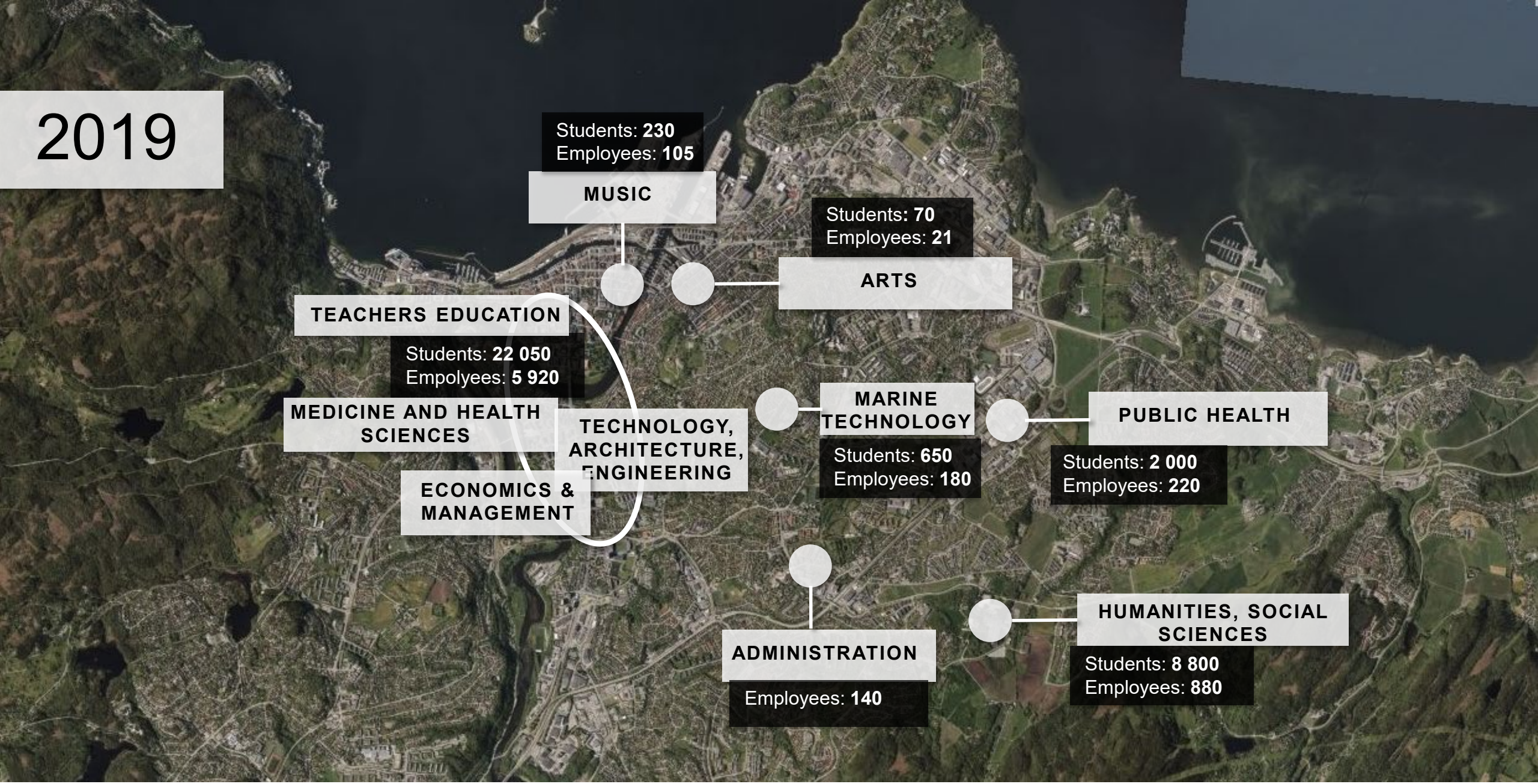
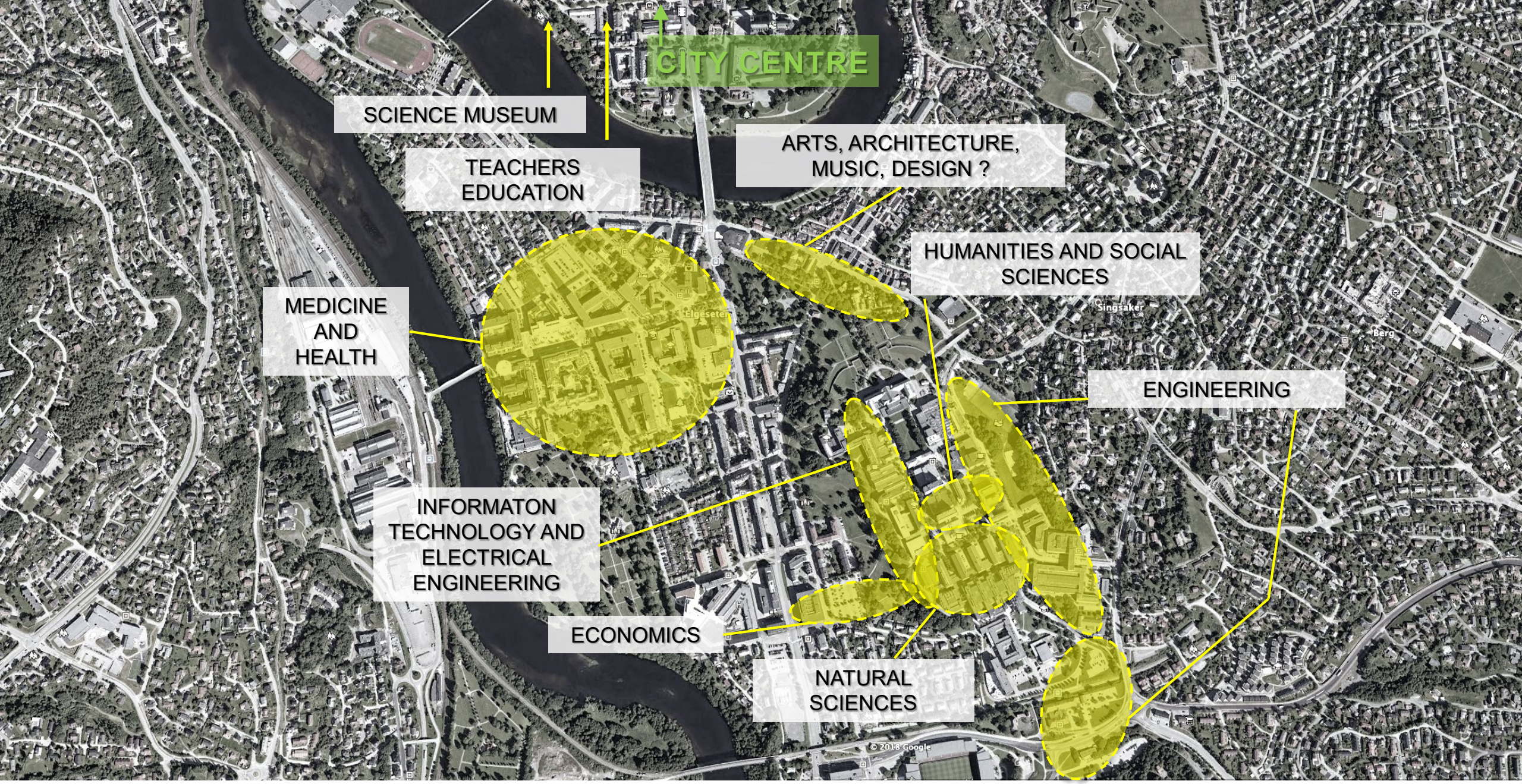
Developing a campus for the future

Project Director for campus development, NTNU, Merete Kvidal

EUNIS, 07.06.2019


2019
Students: 230
Employees: 105
MUSIC
Students: 70
Employees: 21
ARTS
TEACHERS EDUCATION
Students: 22 050
Empolyees: 5 920
MEDICINE AND HEALTH SCIENCES
TECHNOLOGY, ARCHITECTURE, ENGINEERING
ECONOMICS & MANAGEMENT
MARINE TECHNOLOGY
Students: 650
Employees: 180
PUBLIC HEALTH
Students: 2 000
Employees: 220
ADMINISTRATION
Employees: 140
HUMANITIES, SOCIAL SCIENCES
Students: 8 800
Employees: 880

2027
CITY CENTRE
Students: 35 000
Employees: 8 500
TYHOLT
Students: 650
Employees: 180


CITY CENTRE
SCIENCE MUSEUM
TEACHERS EDUCATION
ARTS, ARCHITECTURE, MUSIC, DESIGN ?
HUMANITIES AND SOCIAL SCIENCES
MEDICINE AND HEALTH
ENGINEERING
INFORMATON TECHNOLOGY AND ELECTRICAL ENGINEERING
ECONOMICS
NATURAL SCIENCES
Singsaker
Berg
Elgeseter
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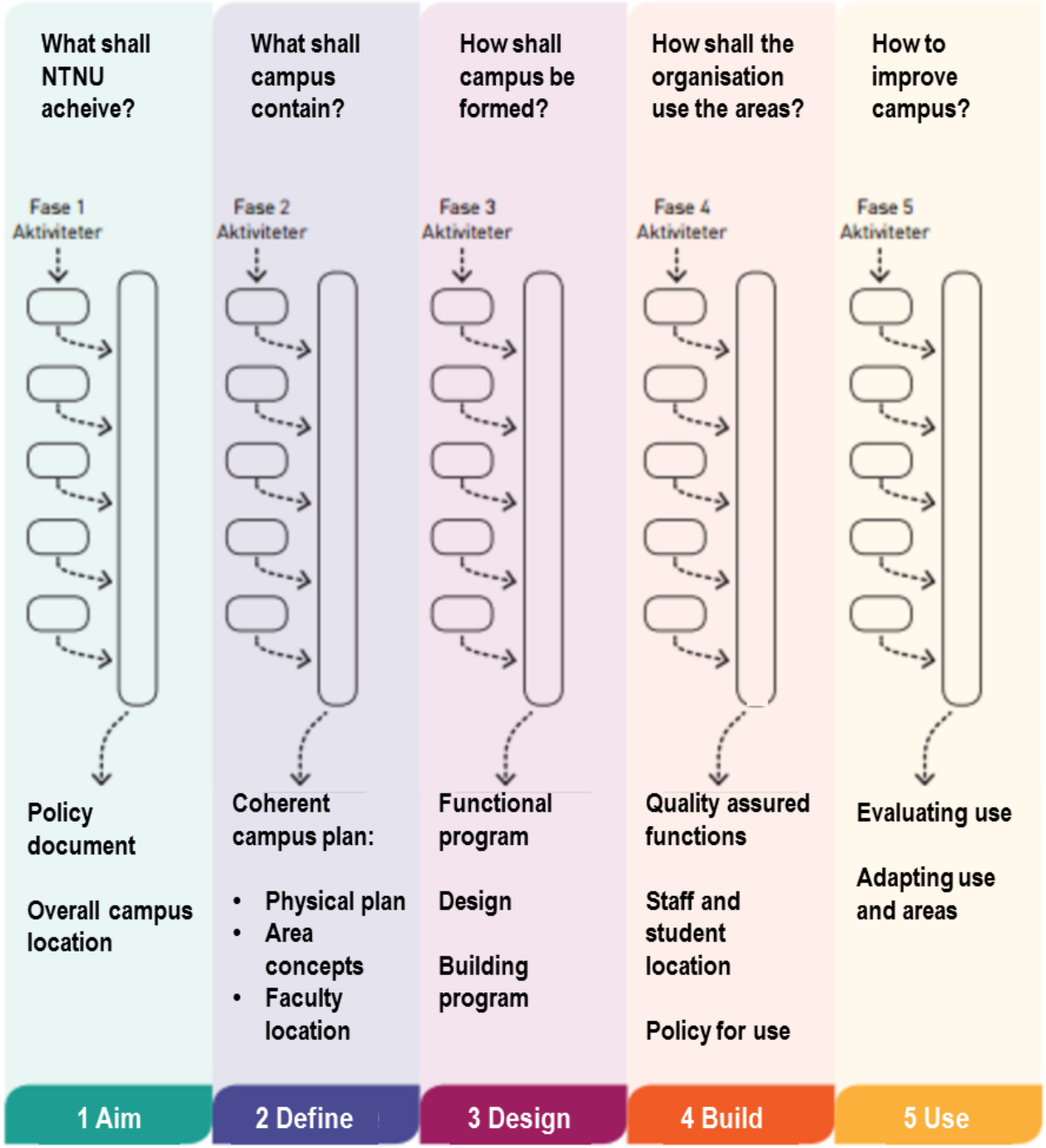
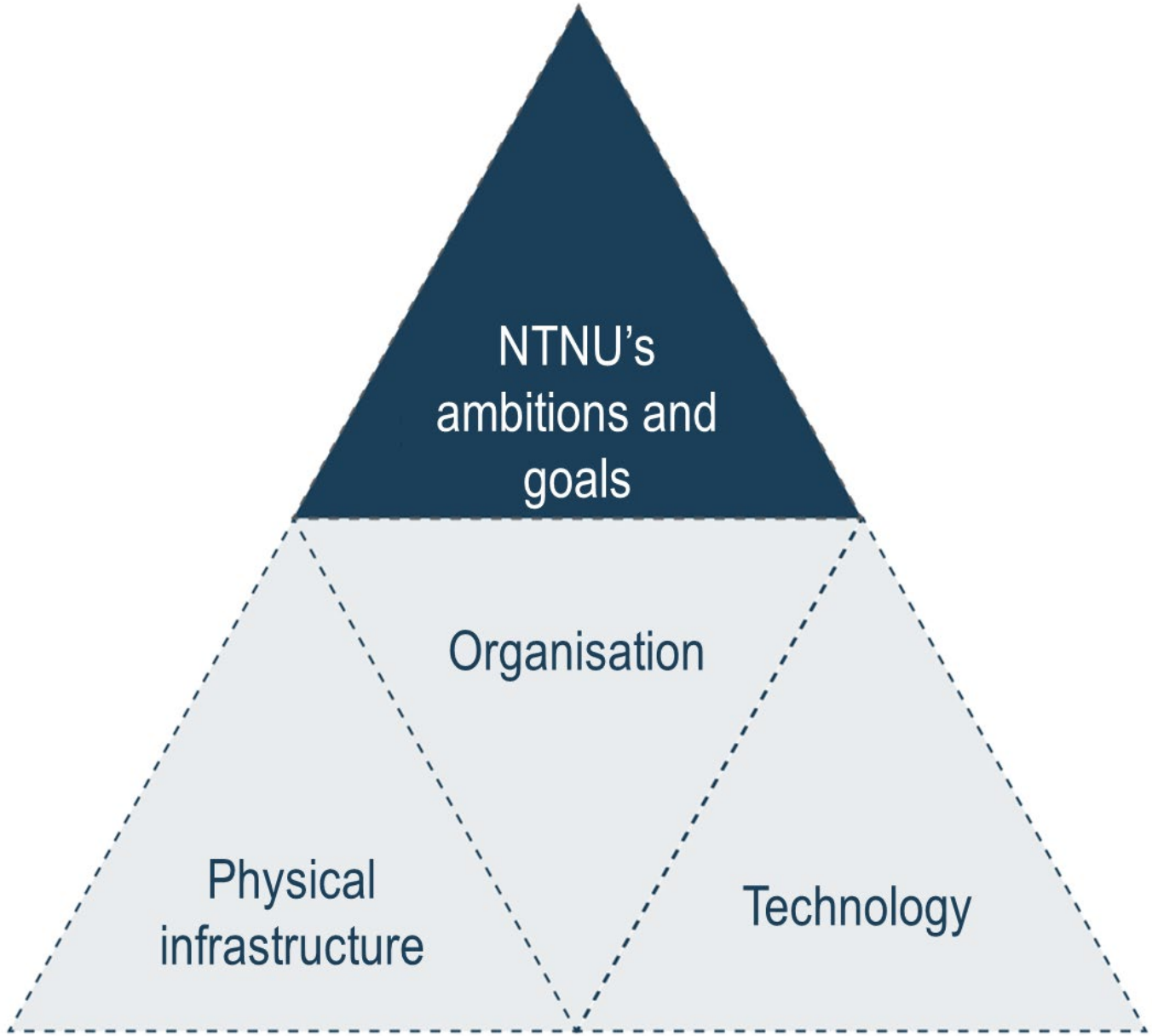
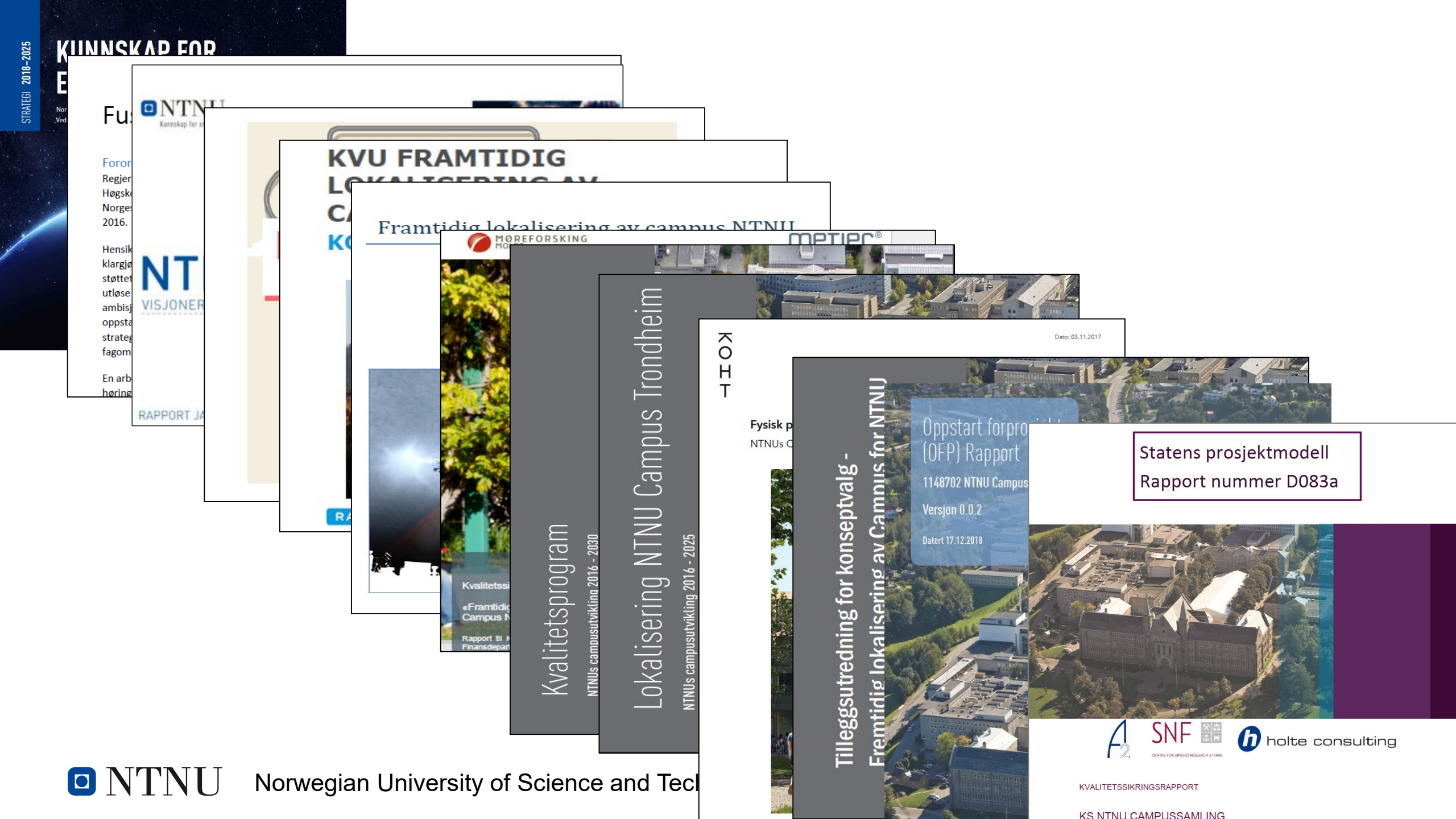
PEOPLE

Planning the «service design» of the campus:

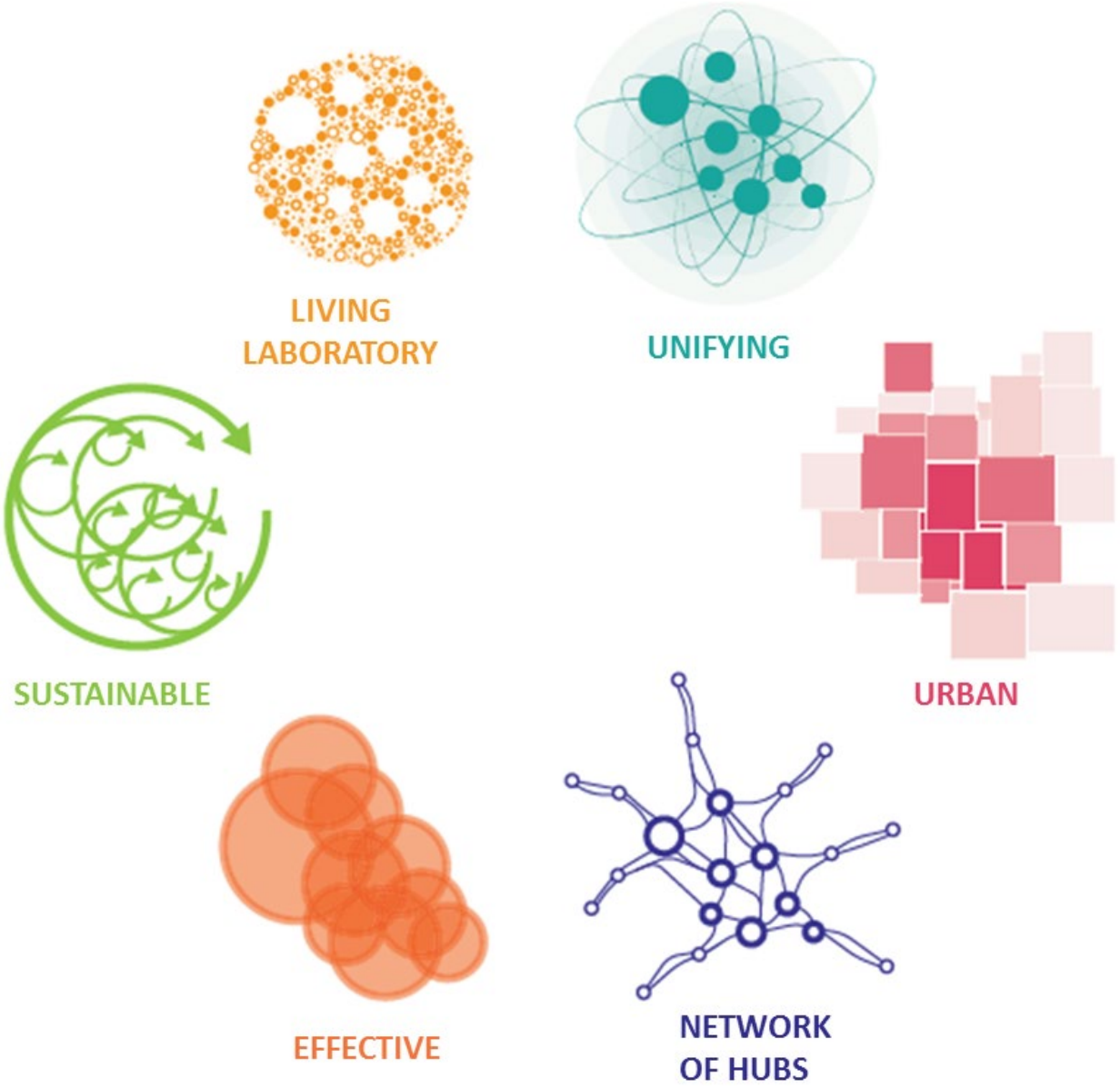


NTNU


NTNU's ambitions and goals
Organisation
Physical infrastructure
Technology



NTNU Norwegian University of Science and Tech


LIVING
LABORATORY
UNIFYING
SUSTAINABLE
URBAN
EFFECTIVE
NETWORK
OF HUBS

Traditional

- Enhance identity
- Create community feeling
- Systemize ownership

Network

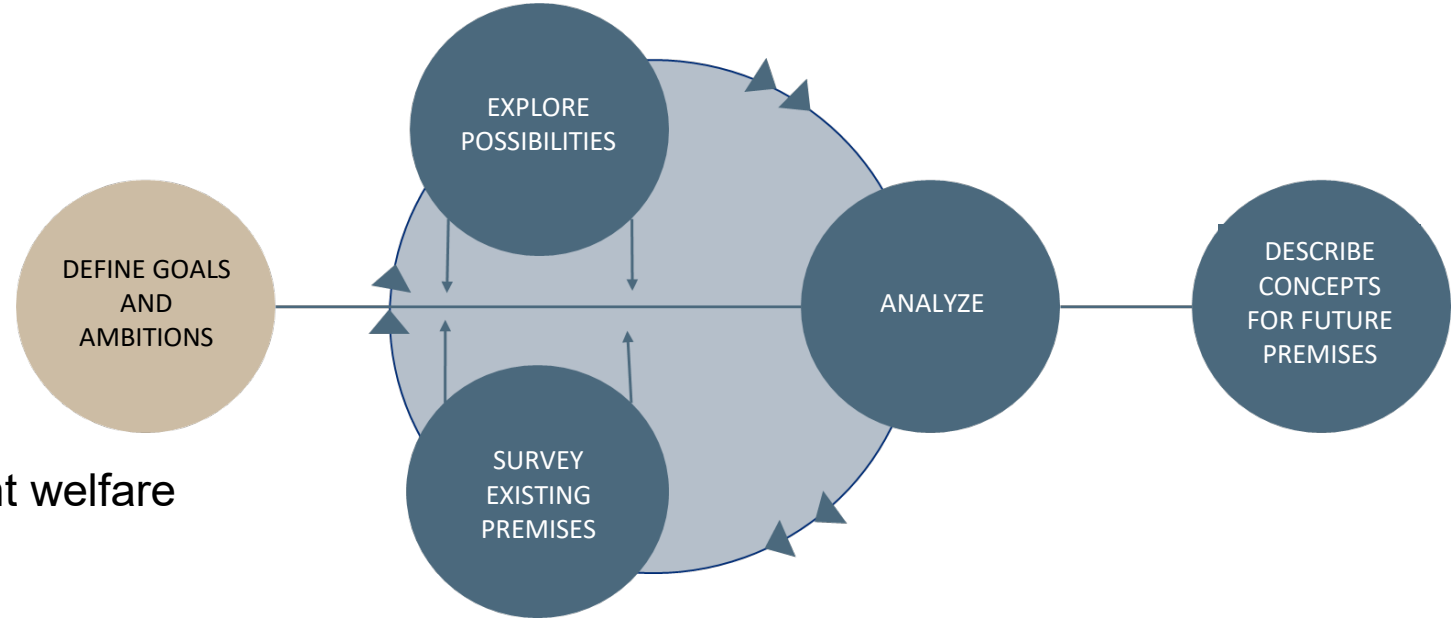
- Support interdisciplinarity
- Create meeting places
- Increase flexibility

Virtual

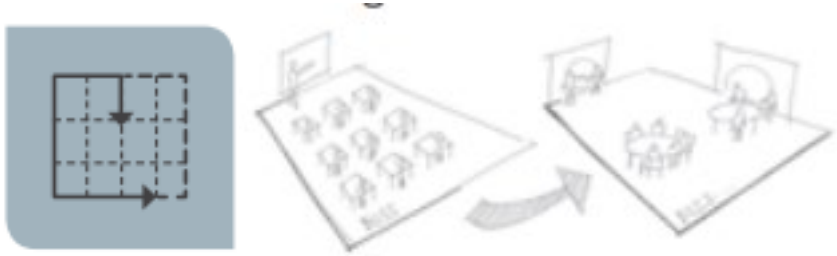
- Support digitalization
- Supply variation
- Strenghten social dimensions

Concept for areas

- Survey activity, work patterns and use of premises today
- Develop concepts which describe:
  - Overall function (use) and area (design)
  - Organisational and technological requirements for suggested area concepts
- Area assessments:
  - Top – down
  - Bottom – up
- Work groups within:
  - Arenas for learning
  - Workplace
  - Hubs
  - Student volunteer work and student welfare
  - Collaboration partners

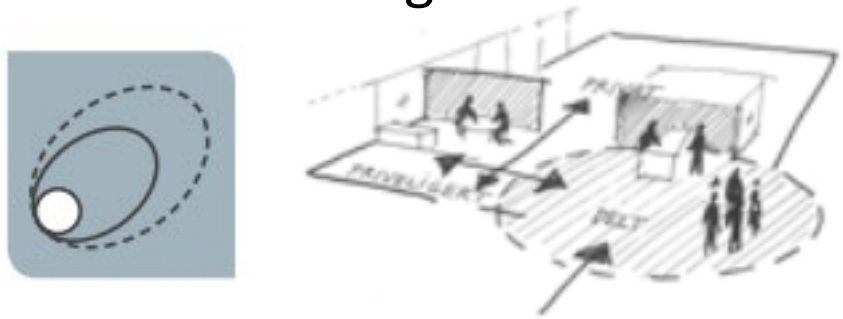


Flexible solutions

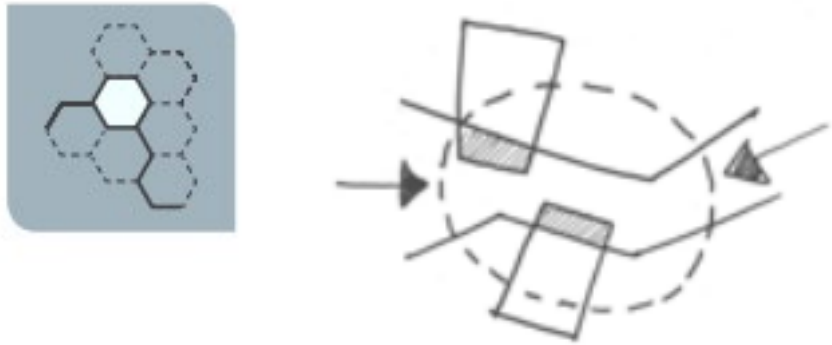


Identity spaces

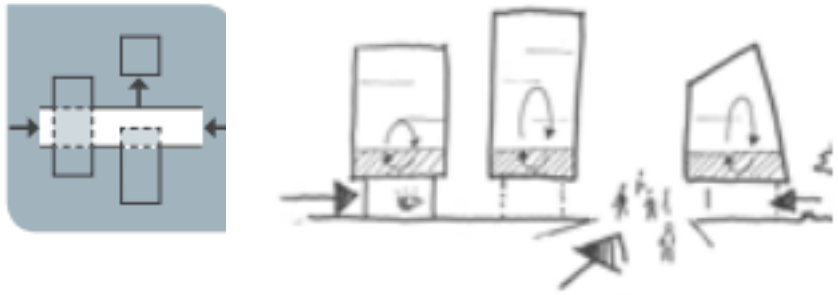
Coherent zoning



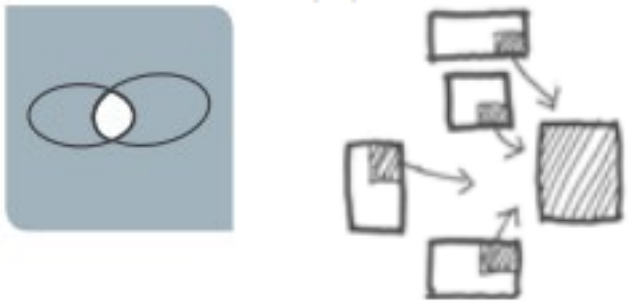
Hierarchical and intuitive network



Opening up and inviting in

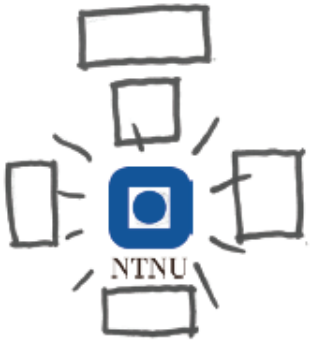


Overlap of functions

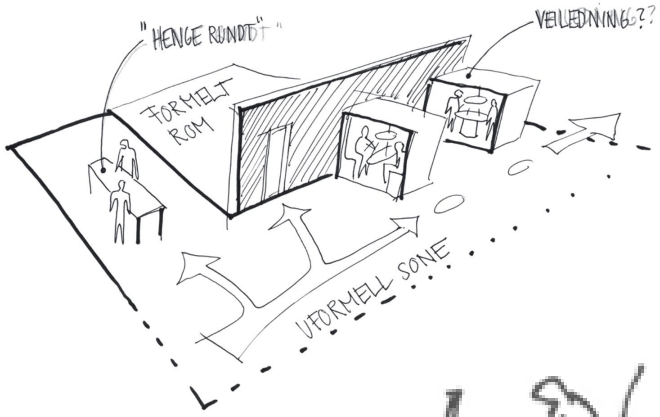


Main concept for area planning?

- flexible and clustered areas

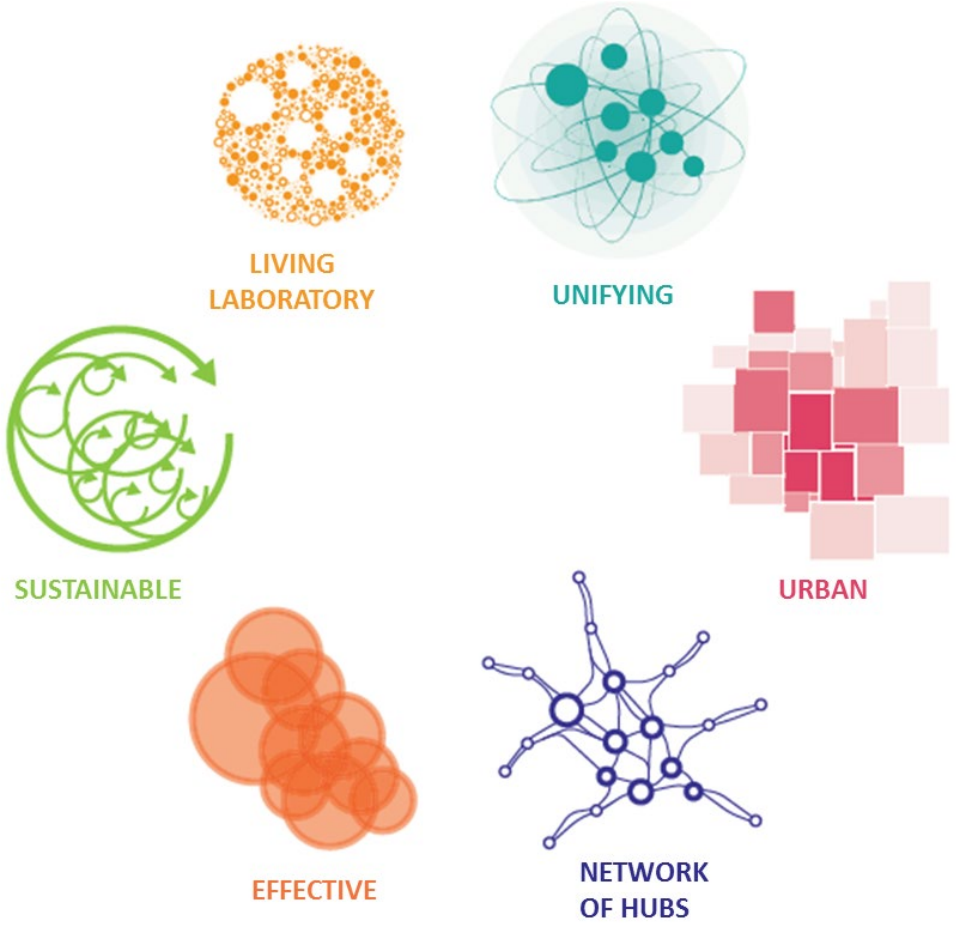


A main central ‘hub’



Concentrated varied learning areas

Adaptable workspace areas



Campus:

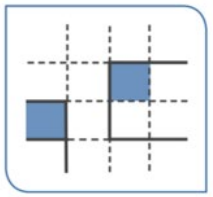
Open and inviting for everyone

Hubs:

One main central hub, at NTNU

Learning area:

Concentrated varied areas for multiple use



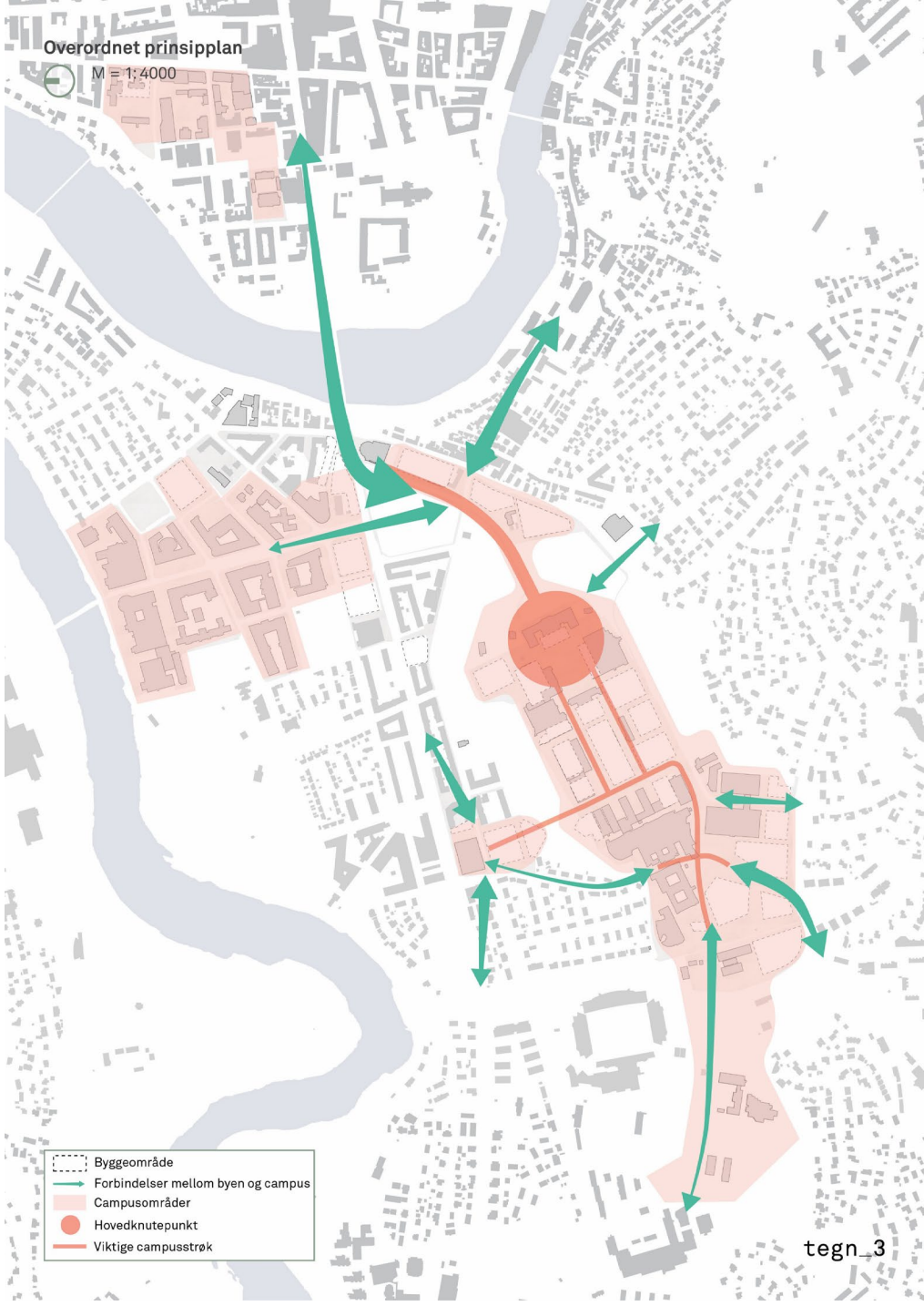
Workplaces:

Adaptable and flexible

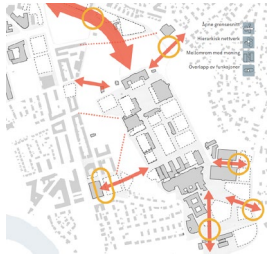
Why?

How?

Physical planning:



The main building strengthened as the «heart» and «face» of NTNU

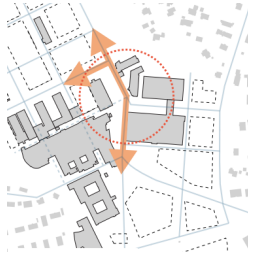


Joining the campus and the city through portals and evident connections

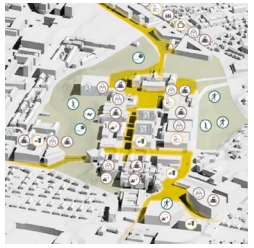
Establishing a quartal structure and upgrading public spaces to increase urban qualities

Increasing activity in green areas to connect the city and the campus

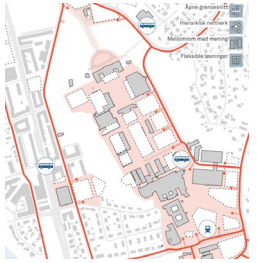
Active and lively streets and disticts connect the different parts of the campus together



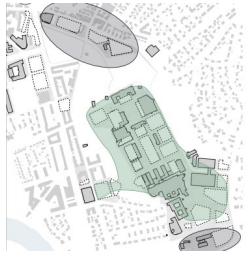
Concentrating activity around traffic hubs



Establishing overlapp between different functions and activities



Green mobility as a premise for transport solutions



Reinforcing a dense campus to achieve environmental and climate goals

PEOPLE