

Climate adaption as an arena for urban re-designs

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“The complexity and challenges of sustainable development call for new understandings of the socio-technical and economic dynamics involved and for experimenting with alternative courses of action.”

Study Programmes:

- Techno-anthropology
- Sustainable Design
- Sustainable Cities

Danish Innovation Network on innovative climate-adaption

Since 2011 – a socio-
technical approach:

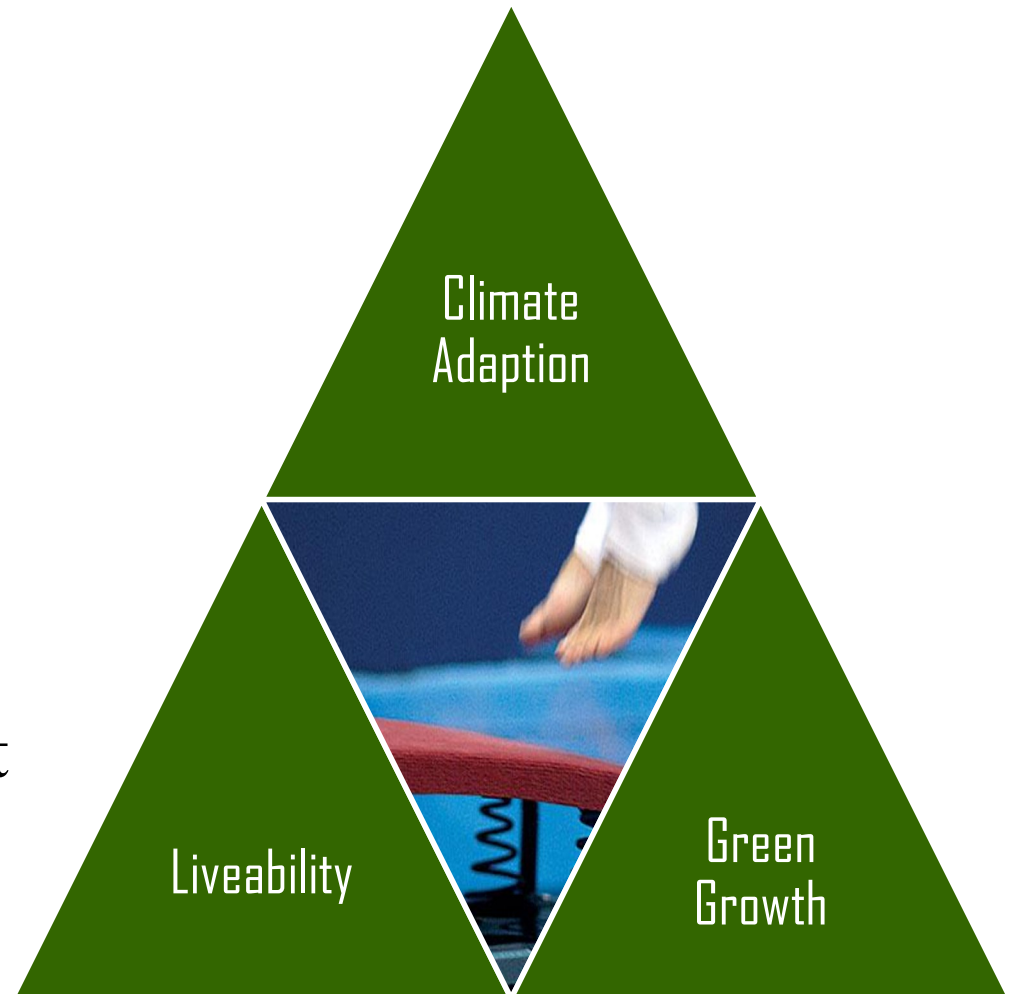
App. 200 partners:

- Universities
- Public and private organisations and businesses

👉 Capacity development

👉 Innovation

👉 Transition



Water overflows

DIGITAL POST



KØBENHAVNS KOMMUNE

BORGER

ERHVERV

BRUG BYEN

POLITIK

OM KOMMUNEN

🔍 Hvad søger du?

Forbered dig på skybrud

25.06.2015



Du er her: [Forside](#) - [Hedensted/Juelsminde Avis](#) - Juelsminde får mobile diger mod stormflod



Store oversvømmelser langs Gudenåen



Haver og gangstier ved Gudenåen er endnu en gang oversvømmet. Det er et tilbagevendende problem, og nu kræver naboerne politisk handling.

🕒 19. jul 2016 kl. 18:03

- Viborg
- Favrskov
- Midt- og Vestjylland
- Silkeborg
- Natur

Ground water level raising



Overflowing existing organisation of urban management

**Pipes and structures
below ground**

Rain as Waste water

**‘Invisible’ service
system**



**Blue -Green -grey
structures**

Rainwater as a resource

**New utilisation of to
roads, gardens, etc.**



A photograph of a suburban street. The road is paved and has a white dashed line down the center. On the right side, there is a brick building with a dark roof and a tall, modern street lamp. The left side features a sidewalk, a low hedge, and several trees, including a tall, thin evergreen. The sky is blue with scattered white clouds.

**Climate adaption as an invitation
to re-think space**



**Multifunctional local space
green mobility, community, nature ...**

www.klimabyen.dk

Health producing green infrastructures



Creating Future Streetscapes

– spaces and networks for easy, safe & interesting biking



Nordvand.dk



Gforesund.dk



02.

01. Skitsering af holdsrum.

02. Skitsering af vejen integreres

03. Tværsnit af

LØSNING

5 regnvandsbede med filterdug på de to veje. Bedene er ca. 10 × 3 m og 30 cm dybe og håndterer regnvandsareal. Anlægget er dimensioneret





Supporting community and democracy, safty

Innovation of Structure

the Innovative arena:

- more that 150 years with sewers
- practises, educations, regulations
- innovation: flow, tech for cleaning
- models, control, efficiency

Sectors under pressure:

- climate adaption
- circular economy
- renewing the welfare society
- liveability and urban competition
- bench marking

Innovation of Place

Urban quality and sustainability as
outset for systems and functions

The (re)development of a specific
place – where many systems join
and connect to urban life

This takes

- Interdisciplinary work
- Co-design with locals
- New forms of valuation

Envidan

“The Gold” - facilitating co-design

- Qualifying climate adaption professionals on added values
- Inviting and staging design with other sectors - and citizens
- Supporting valuations of new urban designs



Developing a concept for health producing re-design of streets

