

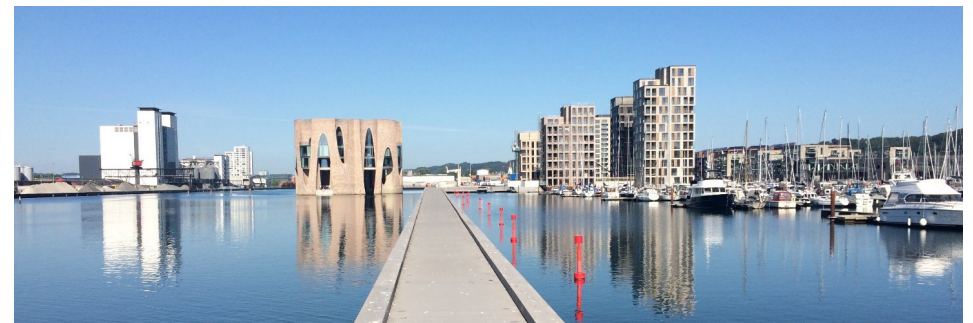
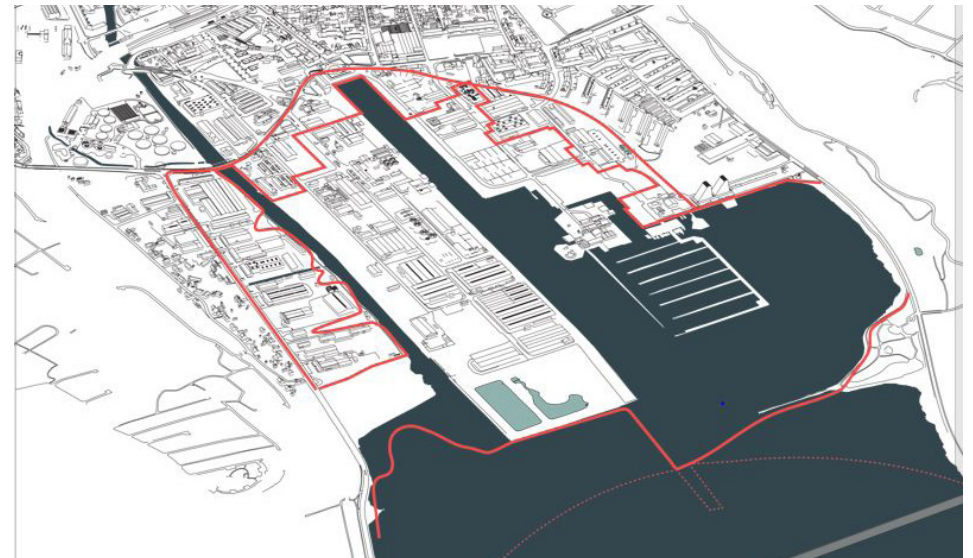
PROGRAM

13:00 - 13:30	Lecture	100 Resilient City
13:30 - 14:00	By Lab	
14:00 - 14:10	Walk	
14:10 - 14:30	1) Sluice and pump plant	
14:50 - 15:05	2) Regulation Plant	
15:10 - 15:40	3) Grejs Å Valley	
15:45 - 16:15	4) Resilience House	
16:25 - 16:35	5) Waterway and bassin	
16:40 - 16:55	6) Pilot place (playground)	
17:00 - 18:00	7) Harbour area projects	

7) Harbour area projects

Flood protection

In the City of Vejle and along the coastline it is important to keep the water at a distance. We are investigating the concomitant development of recreational urban spaces and flood protection. This development can happen in different ways and with different levels of protection.



EXCURSION

VEJLE 3th-5th April 2019

Partnermeeting CATCH



1) Sluice and pump Plant

Sluice- and pump Plant – also a new city room for recreation

The sluice- and pump system protect an area in the middle of the City of Vejle to prevent the city for flooding from a stormsurge or when there is a high water level in the fjord. The plant is also in use if there is heavy rain and we need the water to come out quickly. The Plant was finish in autumn 2016 and has already safe the City to not been flooded three times.

There is 5 pumps, 3 pumps are for the normal operation, 1 pump for reserve for a defective pump and the last one is for the future, when the city have separate the sewage system.

Each pump has a capacity of 2,5 m³/s. The pump Plant capacity is 7,5 m³/s



6) Pilot place (Playground)

From playground to climate park

The existing playground is divided into 3 areas / bassins which can be used for temporary delay of water. When the first basin is full (10 years event) the water runs to the next basin (50 years event) and when this is filled up to the last basin (100 years event) – The area will be transformed to a new place for activities and meetings.



7) Harbour area projects

East city district

The East City District will become an area where we demonstrate resilient city solutions – where water is controlled, creating recreational value, community and safety. This is carried out in five subprojects.



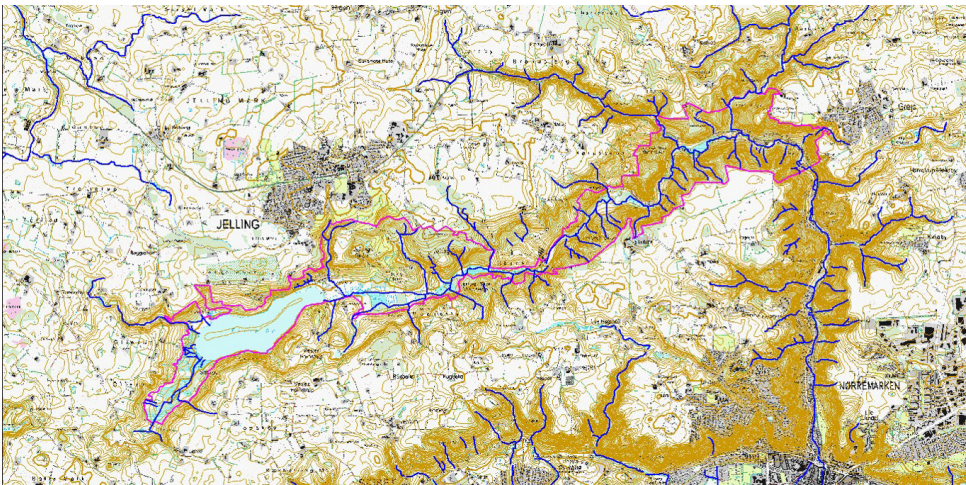
Tour map



3) Grejs Å Valley

Grejs Valley is Denmark's deepest vaelley. In the event of big flood scenarios, huge amounts of water pour down towards the City of Vejle from this area.

To reduce the risk of flooding in the City of Vejle it is necessary to find areas for temporary water retention in the catchment of Grejs River. These areas would be use in the event of extreme rainfall, raised water levels in Vejle Fjord and floods.



4) Resilience House

Resilience House is a national and international innovation and educational centre for demonstration and commercialisation of future resilient solutions regarding energy, climate, water and data. Resilience House is a 2,600 m² triple helix lighthouse housing 150 knowledge employees - and opened on 25 August 2017.

Resilience House is a demonstrational, innovational and educational centre for commercialisation of future resilient solutions within energy, climate, water and data. Resilience House is housing the first global postgraduate course within resilience and is the office for Resilience Lab Denmark and all projects and activities of this association



5) Waterway and basin

The water from the catchment area to the eastern part of the city must be managed and delayed via waterways and basins



2) Regulation Plant

The plant is to regulate the water flow from Grejs Å in the two streams (Mølleåen og Omløbsåen). The regulation will be managed by a “high water guard” and the Smart Water system.

