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Gothenburg

- Founded in 1621
- Second largest city in Sweden more than 500,000 inhabitants
- Administrative capital of the County of Västra Götaland


Göteborgs Stad
Stadsbyggnadskontoret

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Business traditions

- Long tradition of international trade and industry
- Swedish East India Company
- World leading in shipping industry


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Business today

- SKF, Volvo, Ericsson, Astra Zeneca
- From dockyards to science park
- Triple-Helix model (*Business, Research, Municipality*)
- Port of Göteborg – Scandinavia's largest port and logistical centre



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*Situations Charta
af Göteborgs Stad
Användpå det af Kongl. Maj:ah
Rikssons Cammar-Collegium/ anbe-
falte Tull-Hägget/ annars.*

History and future

Göteborg

Todays extreme water level
Lindholmen

Tomorrows extreme water
level, Costs 180 million Euro



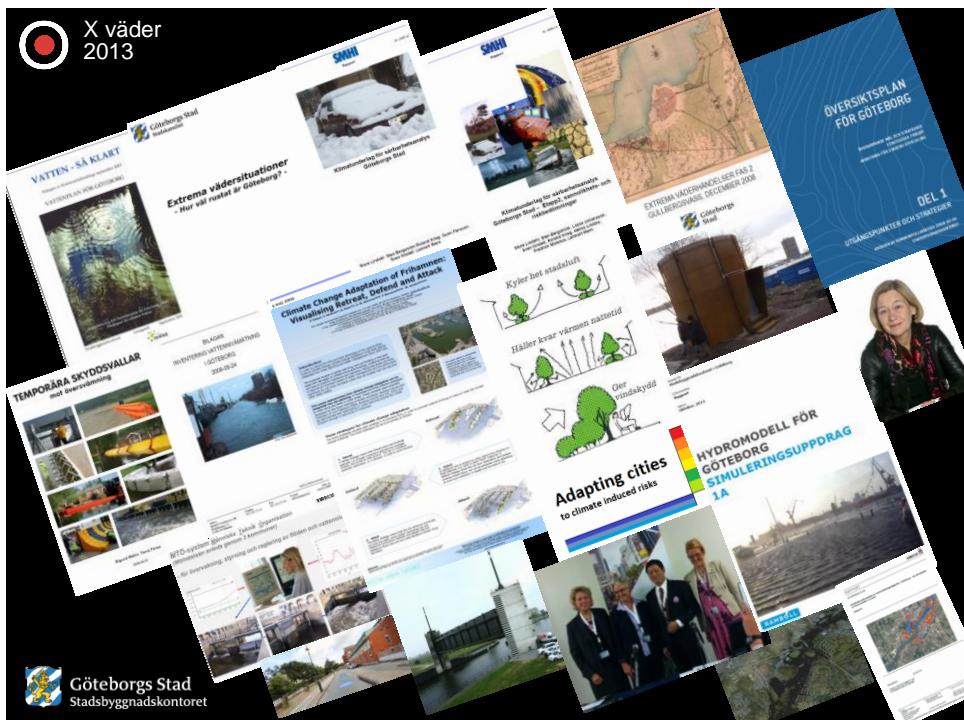
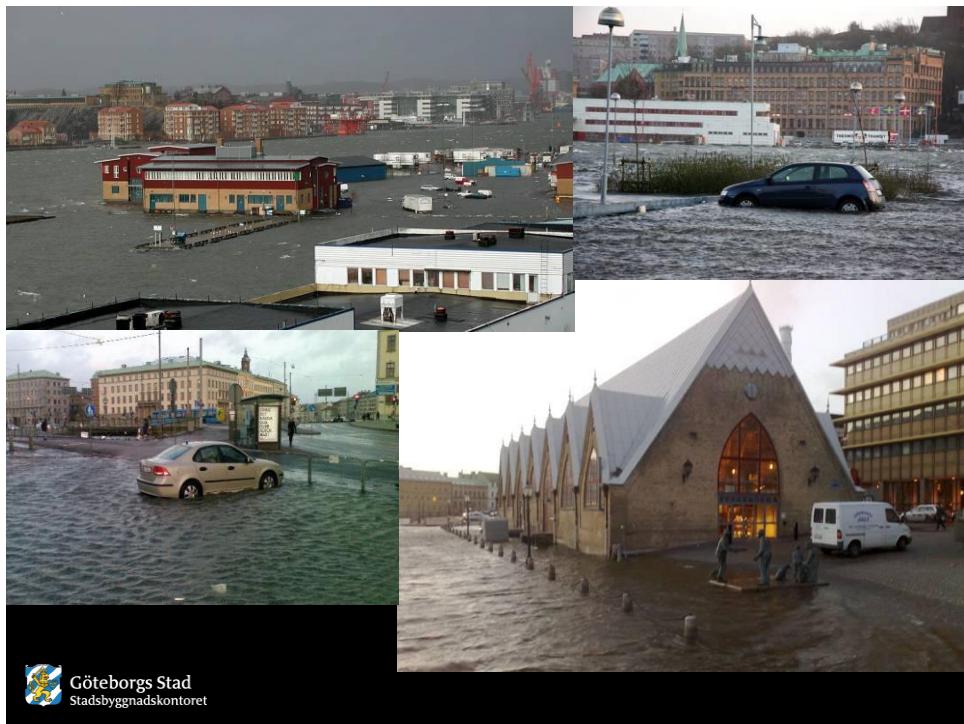
Kontrasterad laserscanning över modellområde Göteborgsvarv, Läserkantning officiell 2006.
Februari 2009, Karlin Bengtsson

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Modellområde
Neder -> +12,8

500m 1000m





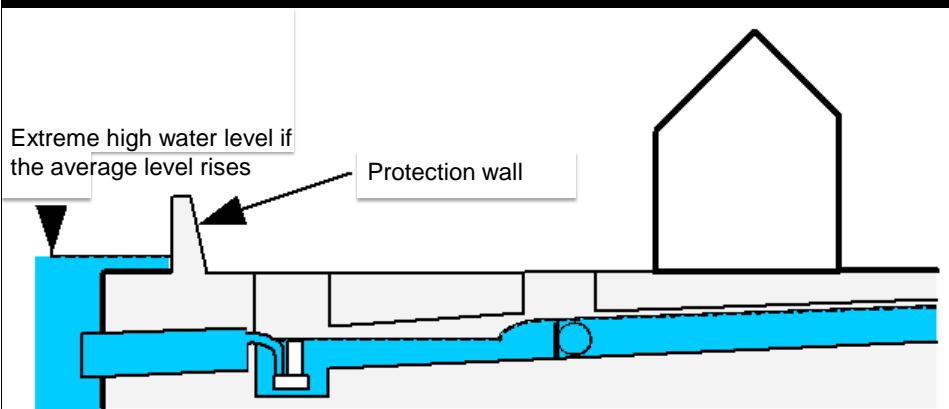
Frequency and possibility

Frequency	Constructions calculated life expectancy				
	Year				
Year	50	100	200	300	400
50	64	87	98	100	100
100	39	63	87	95	98
500	10	18	33	45	55
1 000	5	9,5	18	26	33
10 000	0,5	1	2	3	4

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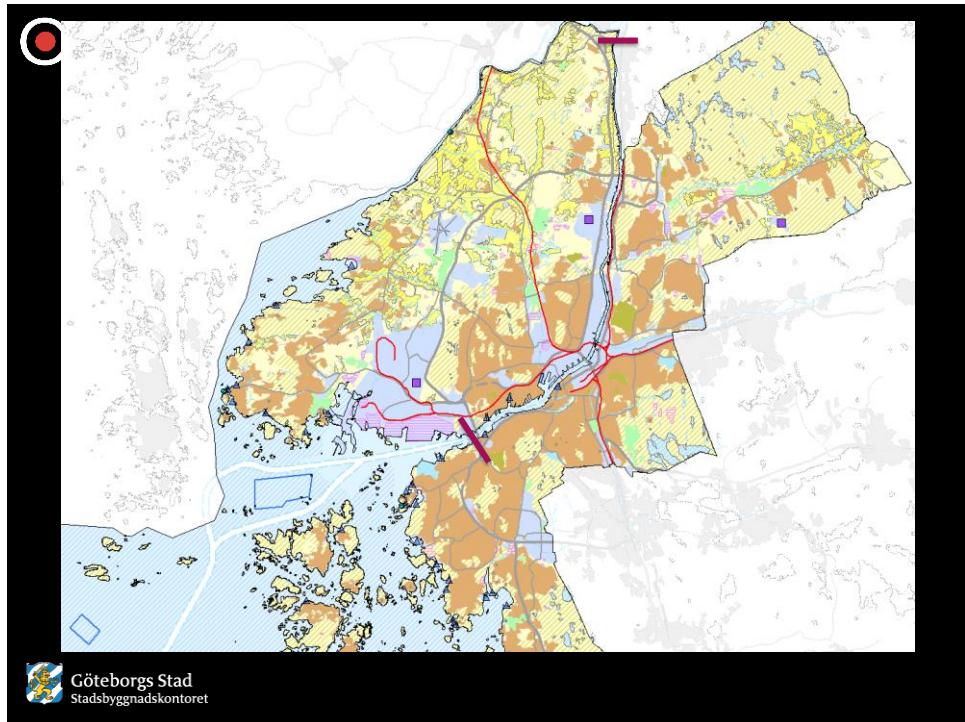
Possibilities

Shelter at the river side



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Object protection or protection of smaller areas

Sketch MCA shelters	Big scale shelter	Riverside shelter	Object shelter
<u>Function when activated</u>	2	1	2
<u>Shelter Level</u>	2	2	2
<u>Environment issues, EIA</u>	-2	-1	0
<u>Process for decision</u>	-2	-1	0
<u>Estetics</u>	1	-2	-1
<u>Costs investement and management</u>	-2	-2	-2
Potential benefits land use exploitation possibilities Positive influence area	2	1	0
<u>Accessibility technique, human, organisation</u>	2	-1	-1
<u>Flexible, adaptation new circumstances</u>	1	1	2
<u>Technical Life expectancy</u>	2	1	1
<u>Opinion</u>	-1	-2	0
Traffic, Impact on accessibility and mobility	+1	+1	-1
<u>Damage in insufficient function</u>	-2	-1	0
National interest			
Traffic on land	2	1	0
Traffic on water	-1	0	0
Culture	1	-2	-1
Nature	-2	-1	0
<u>Summary</u>	2	-6	1

Remain sensitive analysis and importance

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