





Offentlig utvalg som utreder samfunnets sårbarhet og tilpasningsbehov som følge av klimaendringe

Klima i Norge 2100

Bakgrunnsmateriale til NOU Klimatilpasning





Klima i Norge 2100

Kunnskapsgrunnlag for klimatilpasning oppdatert i 2015

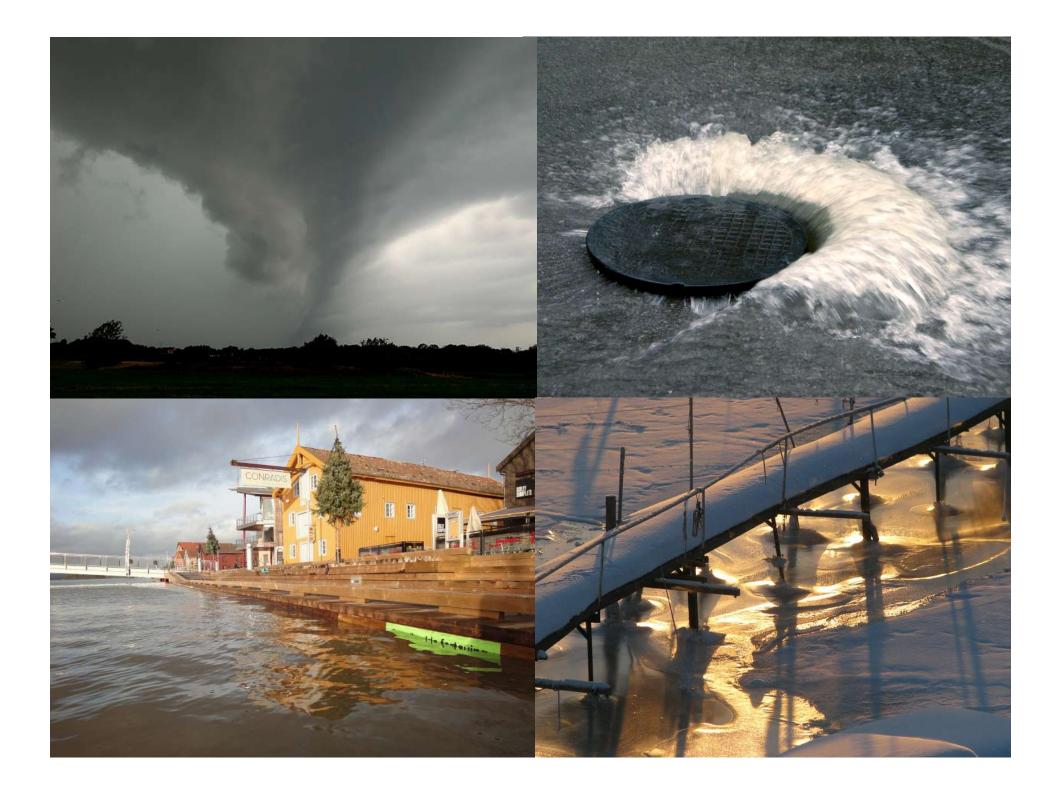
NCCS report no. 2/2015



Redaktører

I. Hanssen-Bauer, E.J. Førland, I. Haddeland, H. Hisdal, S. Mayer, A. Nesje, J.E.Ø. Nilsen, S. Sandven, A.B. Sandø, A. Sorteberg og B. Ådlandsvik

M-406 | 2015

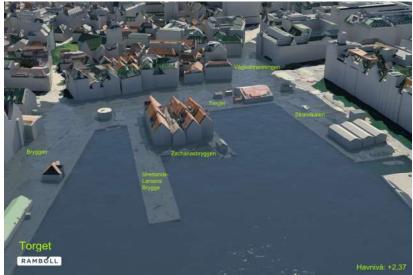


Consequences









Milder and drier winters





(combined with heavy wind)





Perception of risks and vulnerabilities Avoid new risks and vulnerabilities

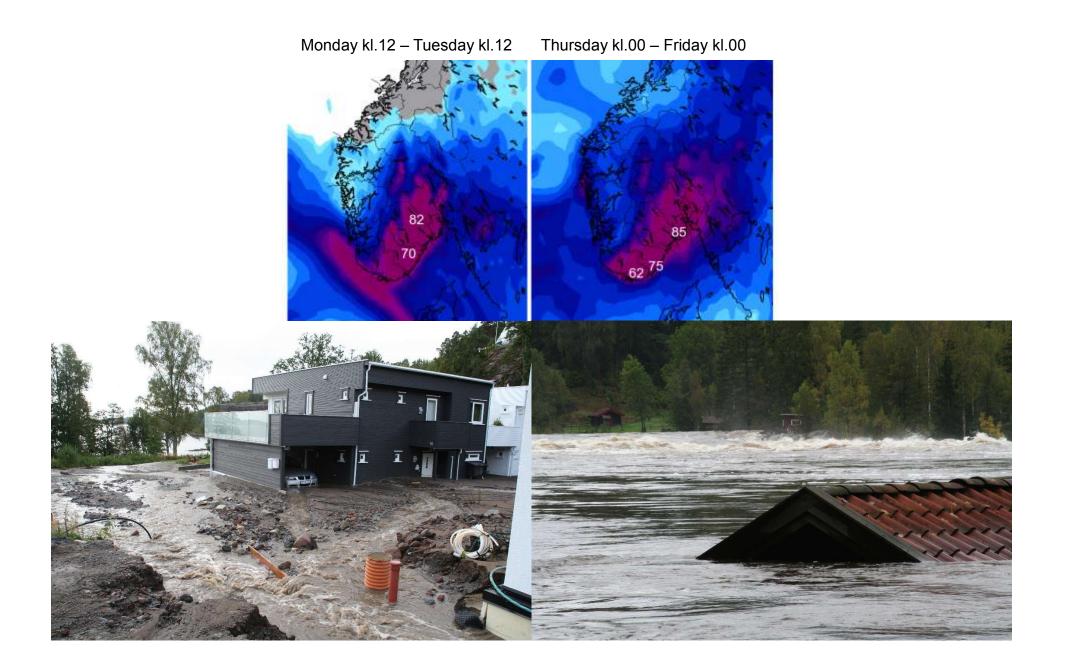
Reduce risks and vulnerabilities

Manage rest risks





Bad weather or bad planning?



Cities of the future

FRANTIDENS BYER



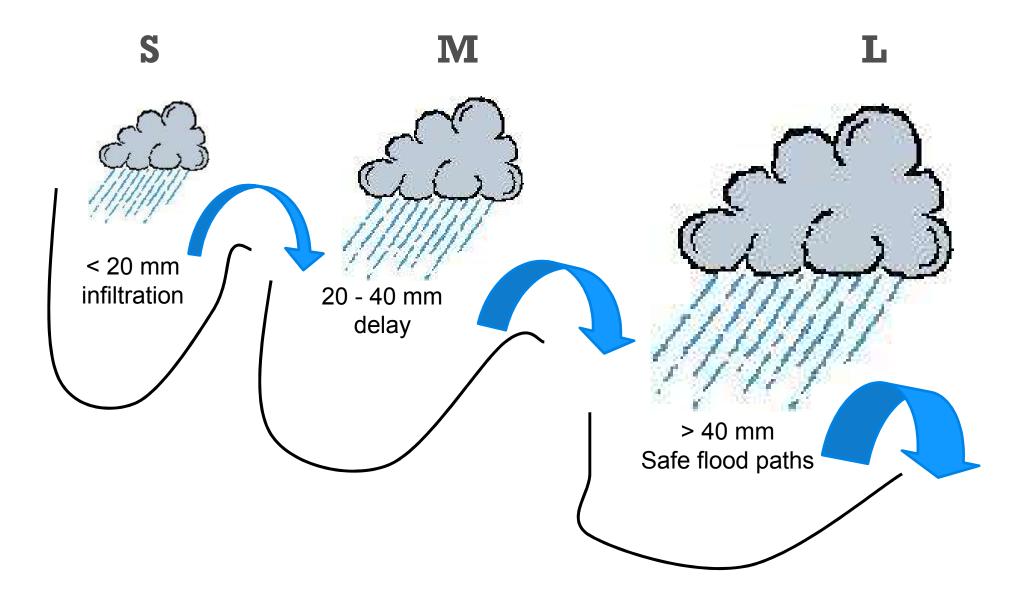
Cities of the future

Risks and vulnerability analysis water urban flooding sea level rise CCA integrated in policy documents CCA integrated in planning Good adaptation examples BGF – blue and green factors «The cities are growing, and along the way we seem to have forgotten, that the water from above, comes with a one-way-ticket.»

Anita Verpe Dyrrdal (Norwegian meteorologist)



Measures in different sizes:



Small







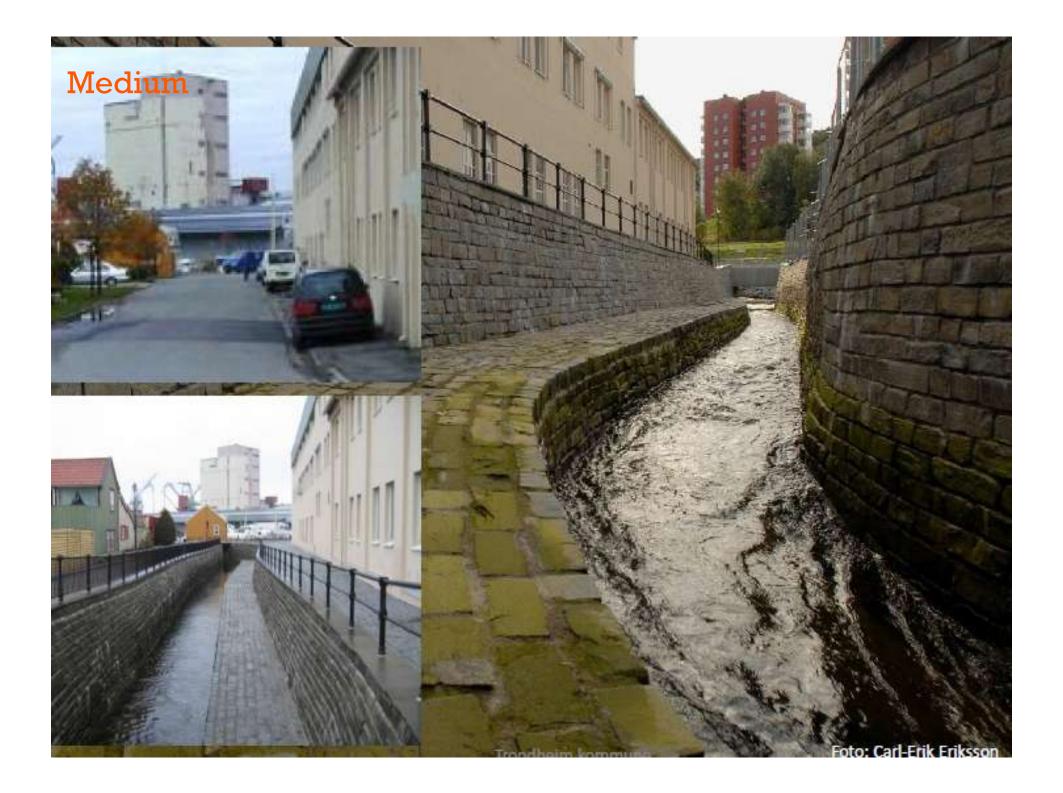
Small

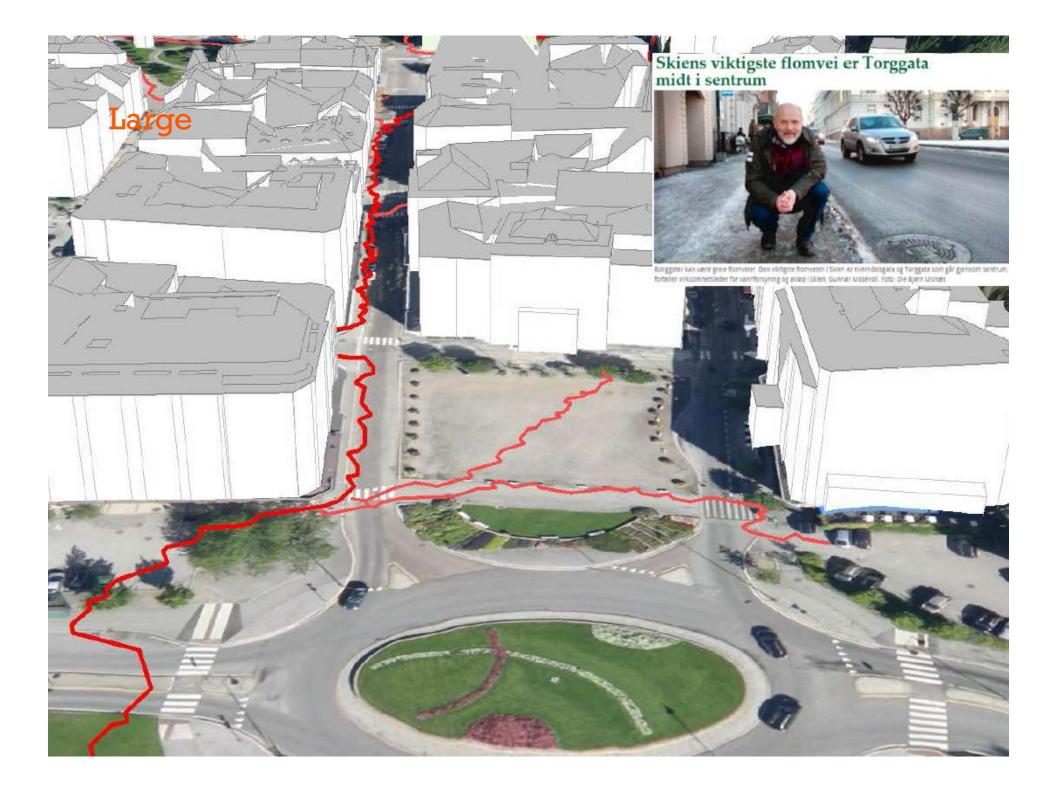




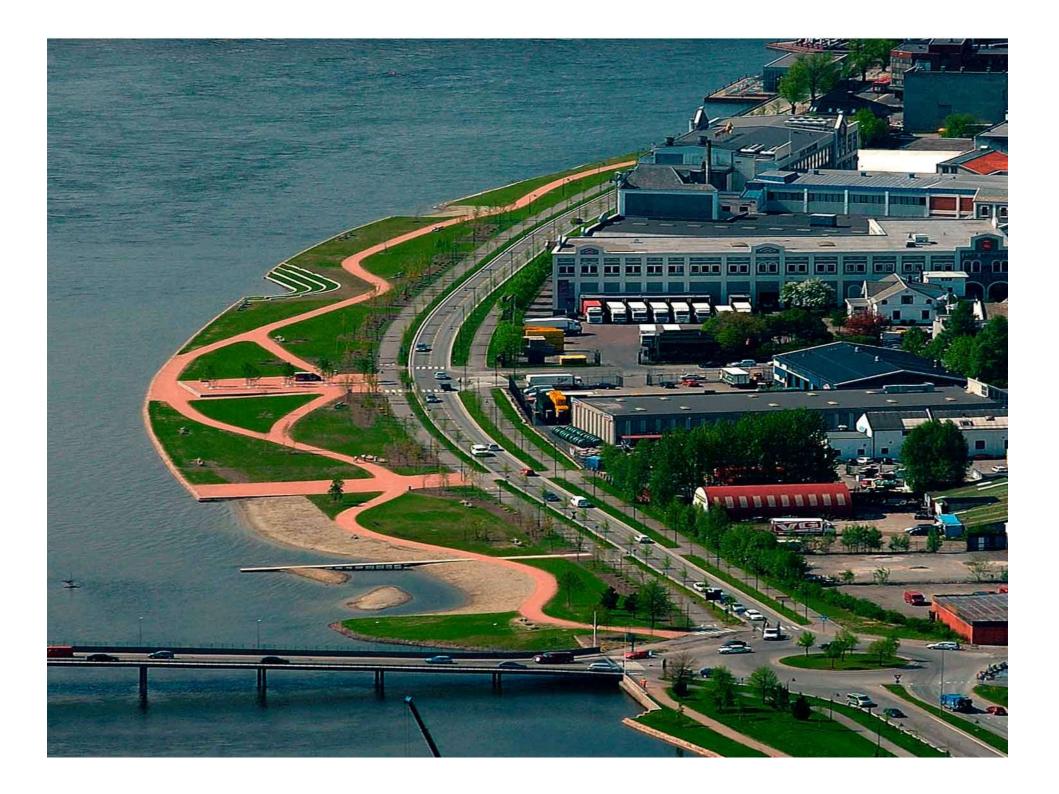








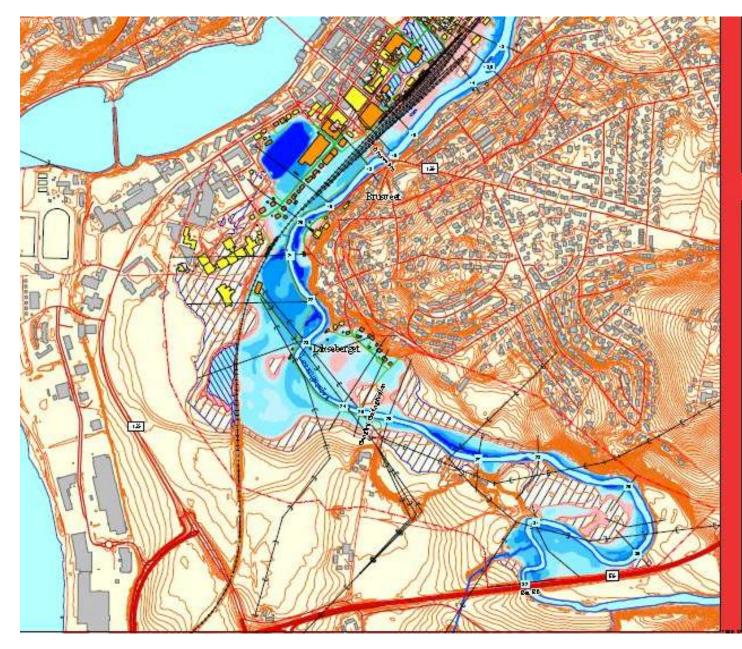




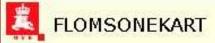




Success factors



o ucroanni aice uca zureo sun rene nici (nime) a 111 Laupurk ier und 200 Å stiom i året 2100 Kranilinie Bekk Burges, riks- og tylkesuel med uelnummer Kommunel- og privekel Jernbere Høydekurver med en mellers ekvildis terse



Prosjekt: Levanger Kartblad Levanger 200-årsflom Godkjent 26.februar 2013

| Males | tokk 1:6 500 |
|---------------------|------------------------------|
| 1 | * |
| Koo idina taystem : | um 32 |
| Karlgrood bg | |
| Situ asjou : | Kanluerkeit, FKB 2012 |
| Høydedata: | Karluerkeit, tase idata 2012 |
| Fbmsoneanalyse | |
| Flomue rdle r: | NV E Rapport 20/2012 |
| Vana Injer: | Notat2501.2013 |
| Terrengmodell: | okt 2012 |
| GIS-analyse: | 1eb.2012 |
| Prosjektrapport: | 10/2013 |
| Proslekti ammer: | \$125 1 |

NC OG ENERGIDIREKTORAT (NVE)

Pb. 5091 Majos tva, 0301 Os b Tht 09575 Faks: 2295 90 00 Intersett http://www.sue.so/flomsosekart



