

Planning tools for reopening and restoring urban streams and rivers, Tharan Fergus

















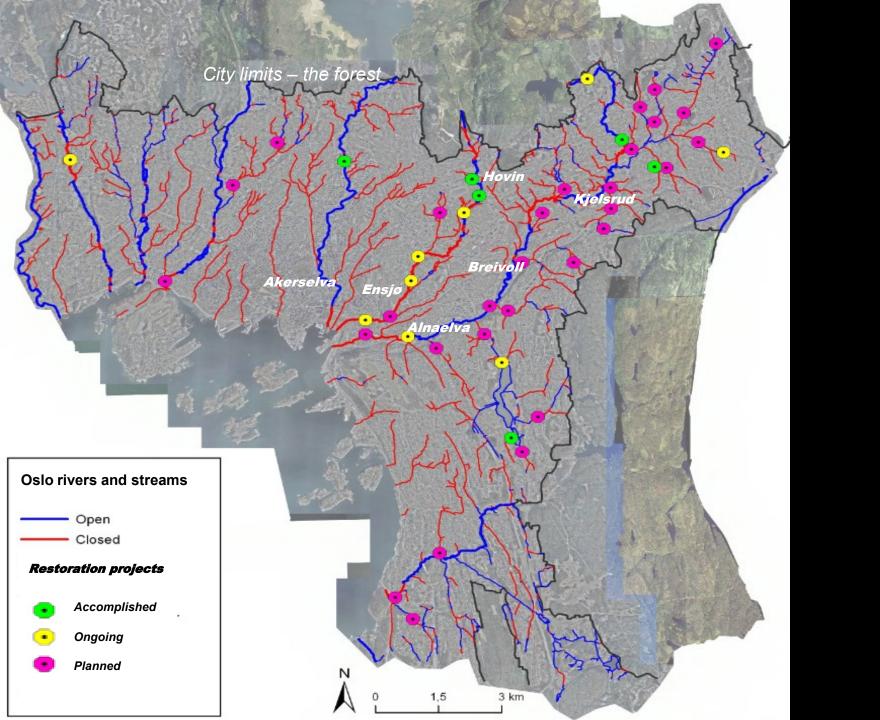






Planning tools for reopening and restoring urban streams and rivers

- A breif history of streams and rivers in Oslo
- The Akerselva transformation and the Oslo river forum – gaining political acceptance for reopening and restoring rivers
- Using urban regeneration as the motor for restoring streams and local stormwater management – examples from the Hovin and Alna
- Experiences so far

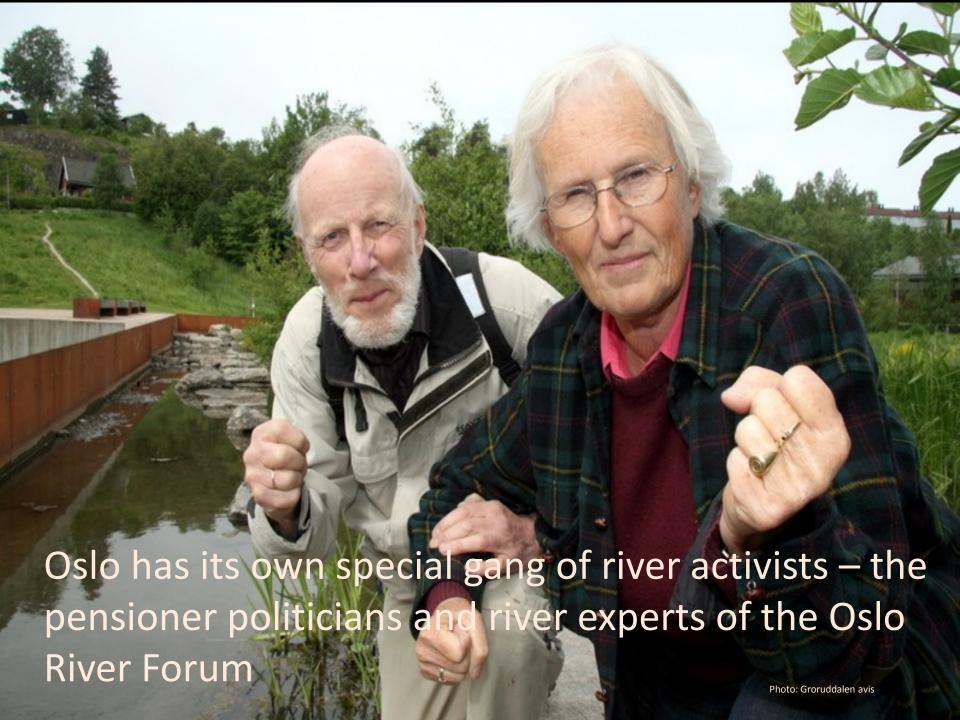




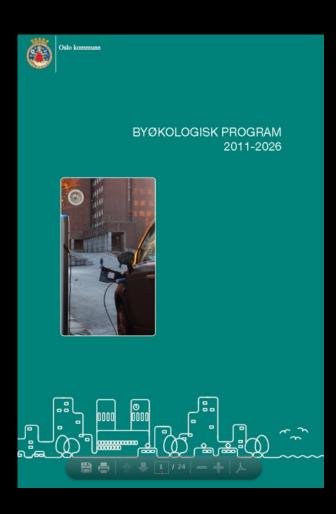






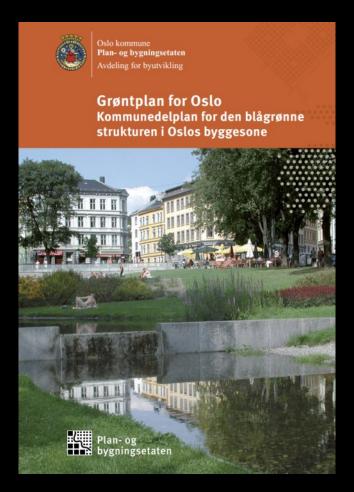


City ecological programme



Strategy: Oslo shall preserve and strenghthen its blue-green structure – reopen rivers and create blue-green corridors AND manage stormwater locally and as an asset

City Green Plan – municipal plan for the blue green parks and recreation



These give us the 'ammunition'we need to set down regulation rules for developement in the city

Lists rivers and streams that are closed and that should be reopened in connection with old and new parks – an important guideline and tool for all development in the city

Ensjø – from car city to water town

- Reopening the Hovin stream a main premise in the transformation
- Local and surface based stormwater management
- Close collaboration between private developers and municipality







Technical plans for reopening streams and stormwater management must be made early in the process – determines terrain hights and allows for the free



COWI









VPOR – advisory plan for public spaces
Determines the placing and quality of the public spaces early on in the planning process – including space for stormwater management



Experiences so far

- Rivers, streams and water need SPACE secure this as early in the process
- Set regulation rules early in process
- Close collaboration within the municipality and with developers early in process
- Develope technical plans for reopening and stomwater management early in process

Experiences so far

- Reopening/restoration projects are more easily realised when mulitipurpose;
 - part of stormwater management plans, flood management plans, pollution reduction, recreation and parkland, etc

An active and knowlegable lobby group is a great asset!

