

Current state of sustainability in infrastructure from Norway

Ketil Søyland, Project Director

Breem Infrastructure

- ▶ Infrastructure owners is committed to use BREEAM Infra.
 - ▶ BaneNOR (Railroad)
 - ▶ Statens vegvesen (Road)
 - ▶ Nye Veier (Road)
- ▶ [Manual](#) and [extended guidelines](#) in Norwegian are now available
- ▶and more to come



Bane NOR, Nye Veier og Statens vegvesen signerer samarbeid om økt bærekraft i anleggssektoren gjennom å ta sertifiseringsordningen BREEAM Infrastructure til Norge og blir samtidig medlemmer i Grønn Byggallianse.

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Bane NOR, Nye Veier og Statens vegvesen inngår samarbeid med Grønn Byggallianse for økt bærekraft i anleggssektoren

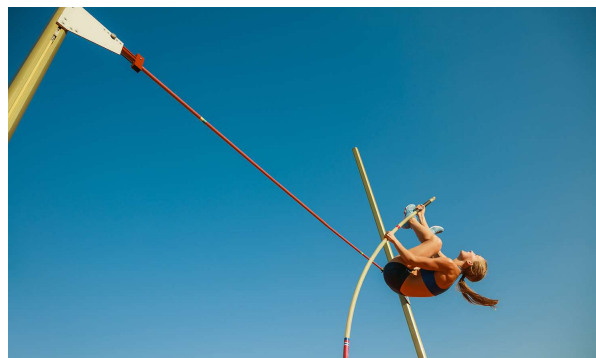
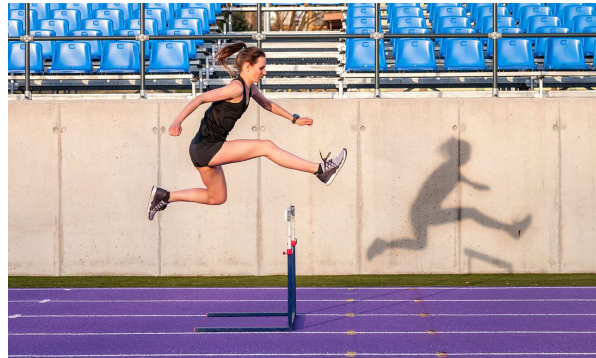
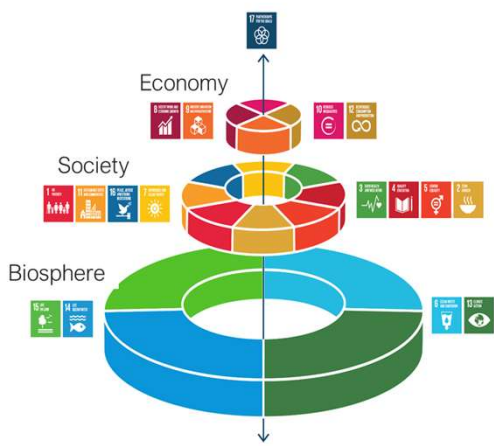


Mandag 20. mars signerte Bane NOR, Nye Veier og Statens vegvesen en samarbeidsavtale med Grønn Byggallianse om å styrke innsatsen for økt bærekraft i anleggssektoren. Et hovedmål er å tilpasse sertifiseringsordningen BREEAM Infrastructure (tidligere CEEQUAL) til norsk anleggsvirkelighet.

Public Procurement Regulations

Forskrift om offentlige anskaffelser (anskaffelsesforskriften)

Should  Shall
30%



EU-Taxonomy

Important for businesses, projects.

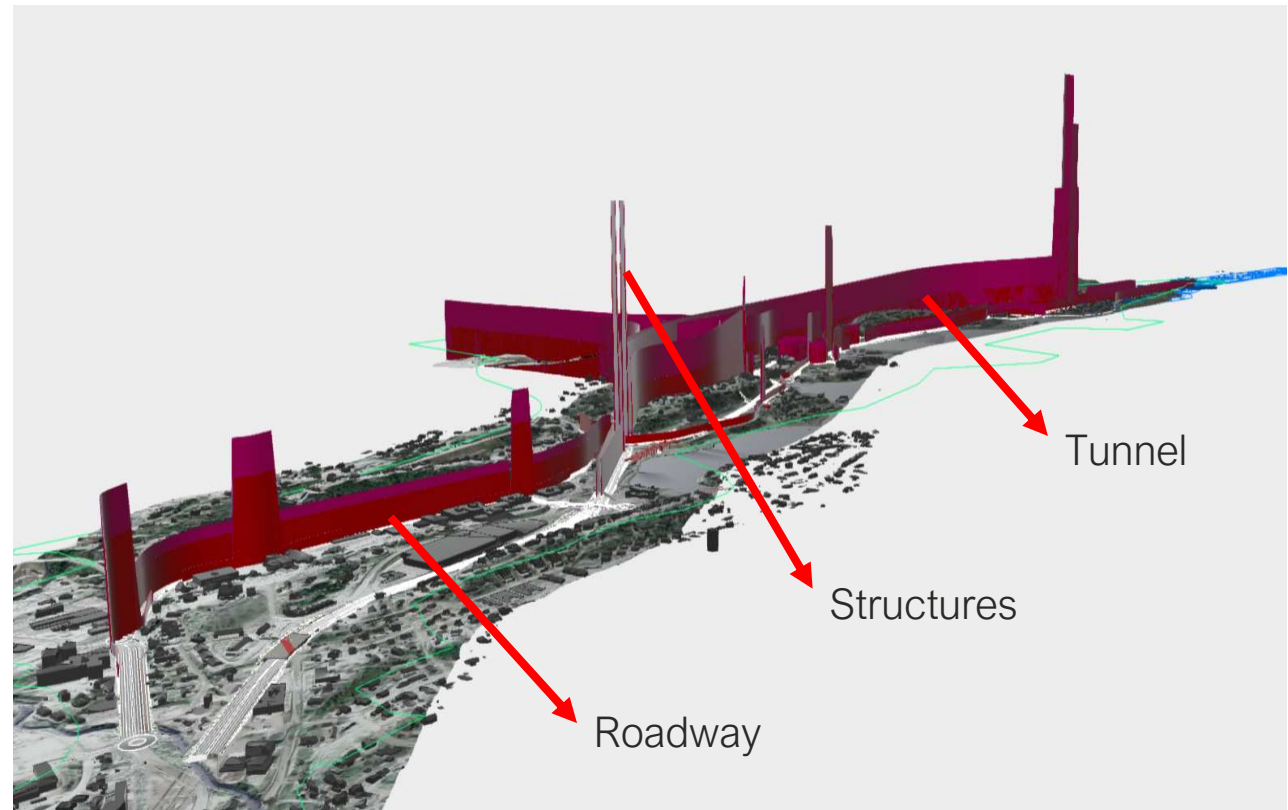
-  Climate change mitigation
-  Climate change adaptation
-  sustainable and protection of water and marine resources;
-  transition to a circular economy
-  pollution prevention and control;
-  protection and restoration of biodiversity and ecosystems.





Climate change mitigation

- ▶ Different Focus:
 - ▶ Government - focus on Norwegian direct emissions
 - ▶ Infrastructure owners requires both cut in both direct and indirect emissions
 - ▶ Suppliers must report all emissions – focus on Scope 1, 2, 3
- ▶ Zero emission machines (Scope 1)
- ▶ Contracts: Many variations of requirements are now being tried out.





Climate change adaptation

- ▶ Topic important at Arendalsuka (Almedalsveckan).
- ▶ Weathersystem Hans – a Wake – up - call
- ▶ Railroad (BaneNor) focus on rehabilitation - «Make vedlikehold great again»
- ▶ Politicians – still poses at new projects
- ▶ Risk analysis – much to learn and improve on.



FOTO: Steinar Slåtto, Øst-Riv AS



FOTO: Statens vegvesen



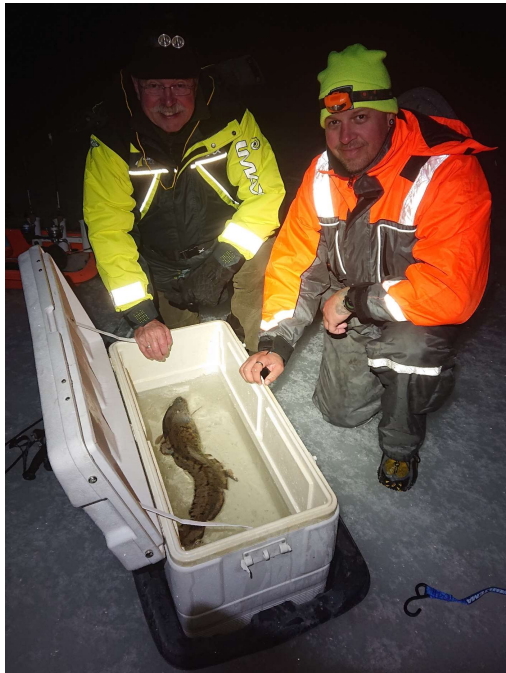
sustainable and protection of water and marine resources;




pollution prevention and control;



- ▶ Mostly driven by laws – few specific extra requirements in contracts
- ▶ Noise and light pollution in focus lately.

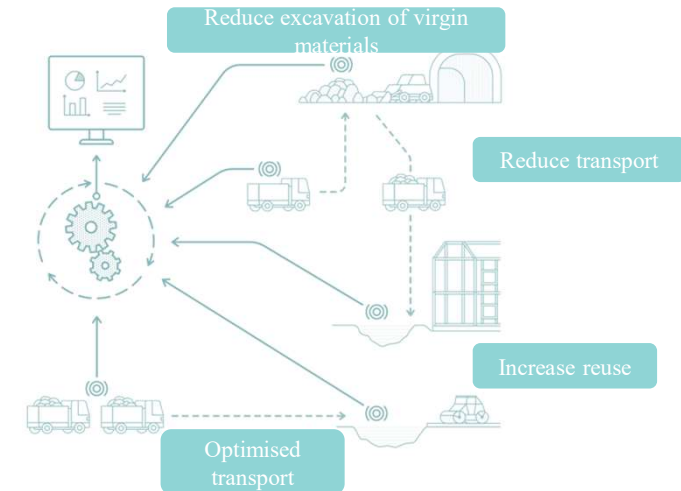




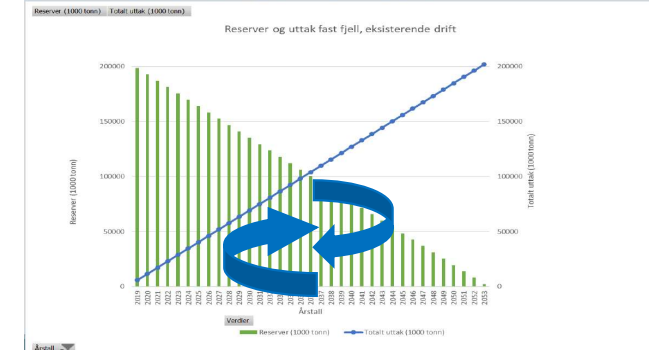
transition to a circular economy

Bærum ressursbank

- ▶ National and regional arena to enhance reuse, recycling and utilization of surplus masses from infrastructure projects
- ▶ Identification of laws and regulations that prevent or inhibit circular transition
- ▶ Developing a digital system to enable purchase and sale of surplus masses, to reduce excavation of virgin materials, as well as transport between locations
- ▶ Development of guidelines to use surplus materials to develop new land area for beneficial purposes (filling in sea) (e.g. Kadettangen)



asseoversikt Oslo/Akershus uten gjenbruk/overskuddsmasser





transition to a circular economy

- ▶ Sustainable road construction - Innovative solutions for road construction.
” Together with sixteen partners, **Nye Veier** has received support from the Green Platform Initiative to develop more climate and environmentally friendly roads in Norway. The objective is to test innovative solutions and bring them to market. The project will run over three years and has a total budget of 123 million kroner.”
- ▶ National Public Roads Administration
 - ▶ Willingness to change handbooks
 - ▶ More common til accept alternative solutions to those required by handbooks (Fravik)
 - ▶ Studies sent out
- ▶ Requirements for local and regional government





protection and restoration of biodiversity and ecosystems.

- ▶ Arendalsuka, (Almedalsveckan) – trending on this topic
- ▶ Local and regional government increases their attention on this
- ▶ Need for expertise in all organizations
- ▶ Need to be better at enhancing ecological value where possible



ILL: Nye Veier



Every day we improve everyday life