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The future of The Coastal Highway Route E39

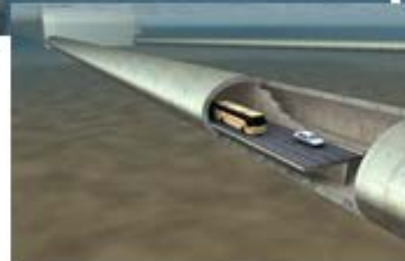
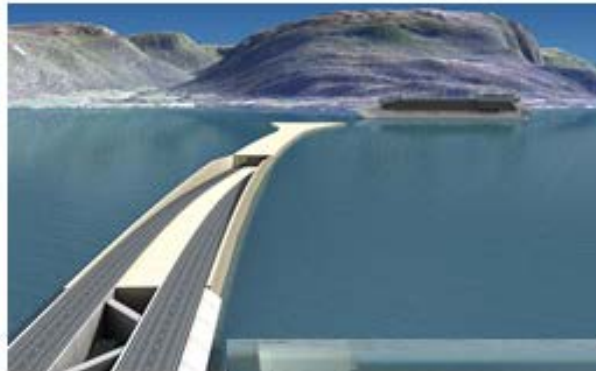
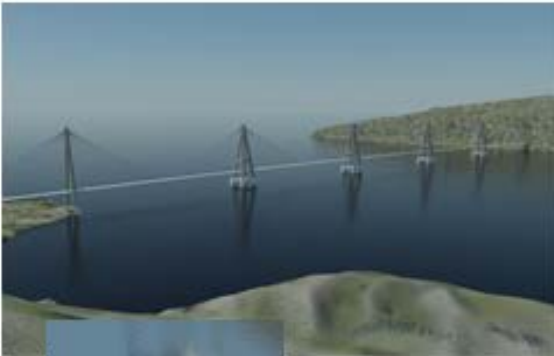
Kjersti Kvalheim Dunham, NPRA,
Project Manager at The Coastal Highway Route E39



It is possible!

From feasibility study to implementation

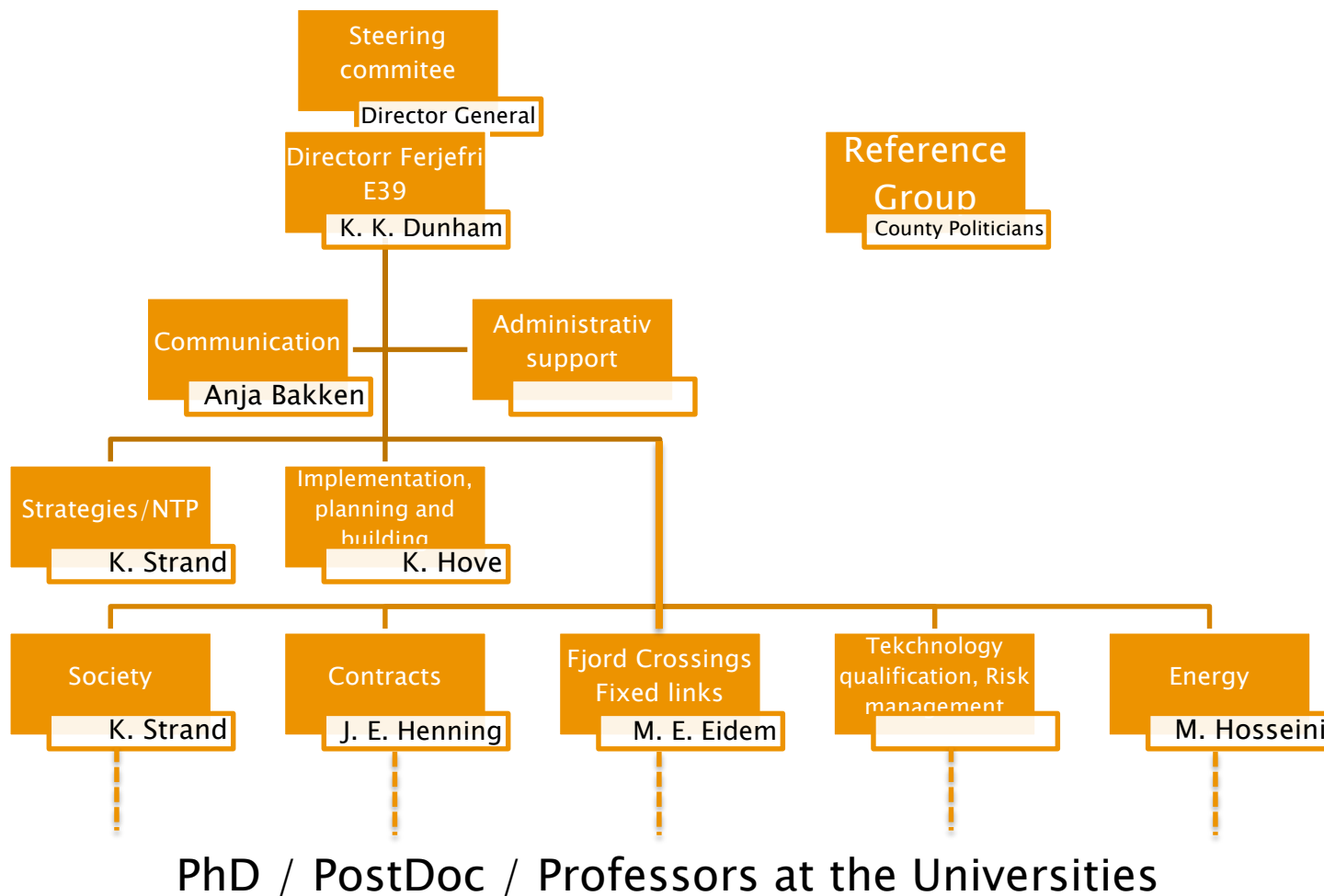
- In 2012/13 we said it was possible – now we show you how!



Organization «Ferjefri E39»



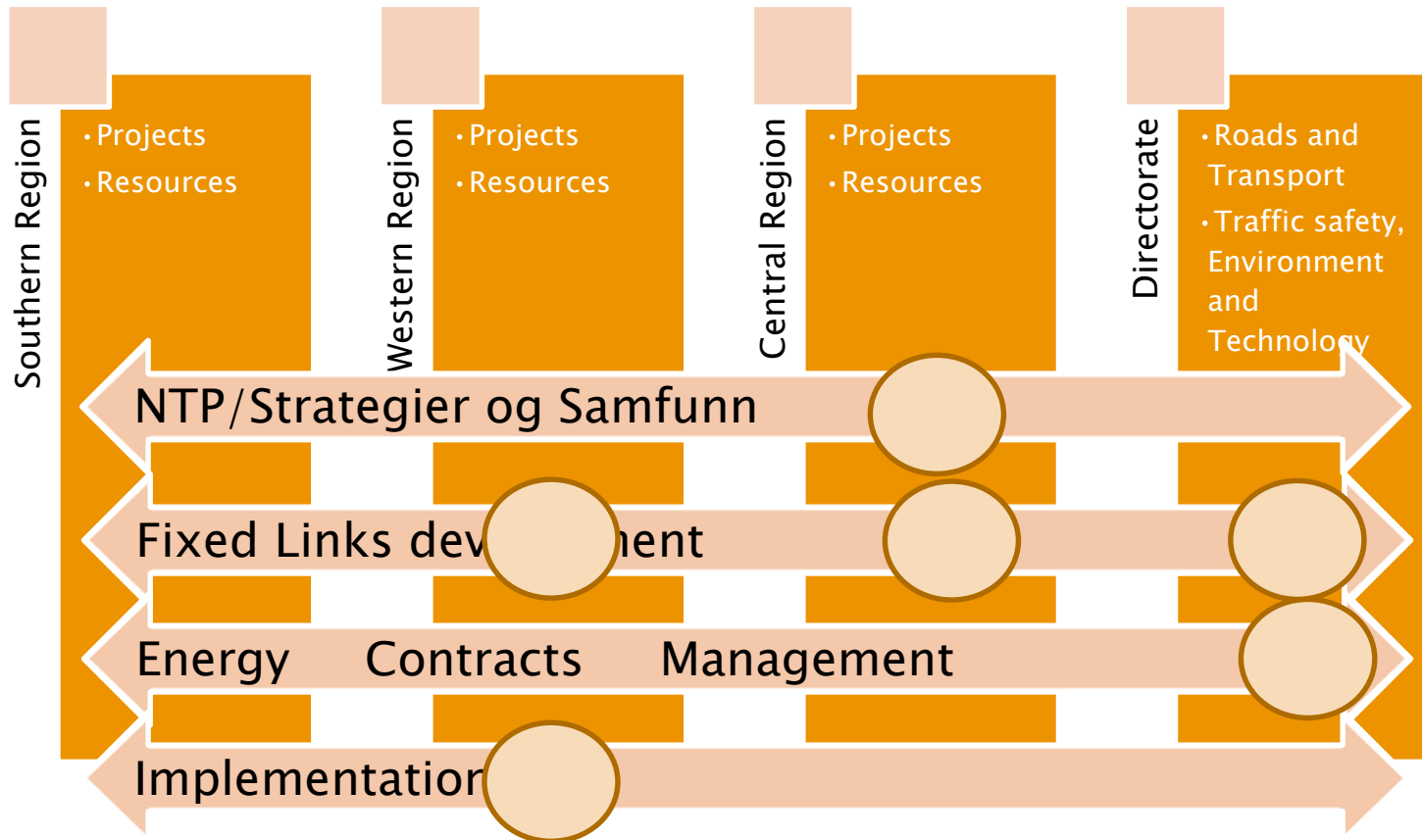
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Organizing Ferjefri E39

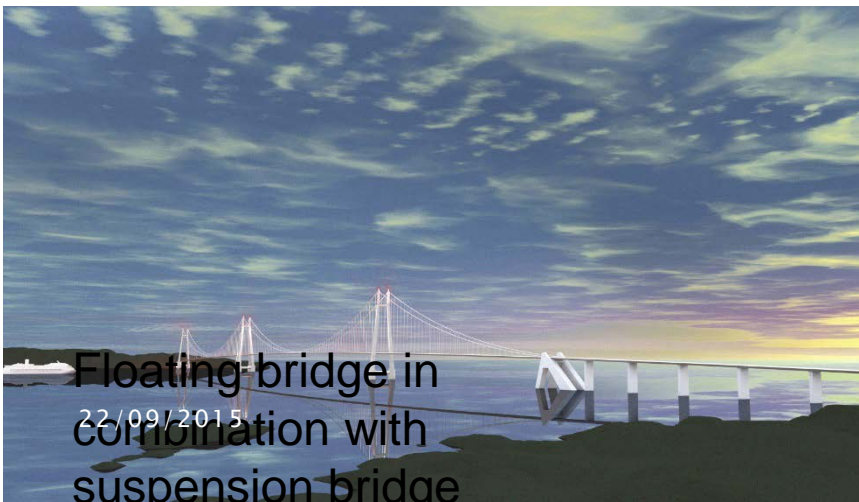
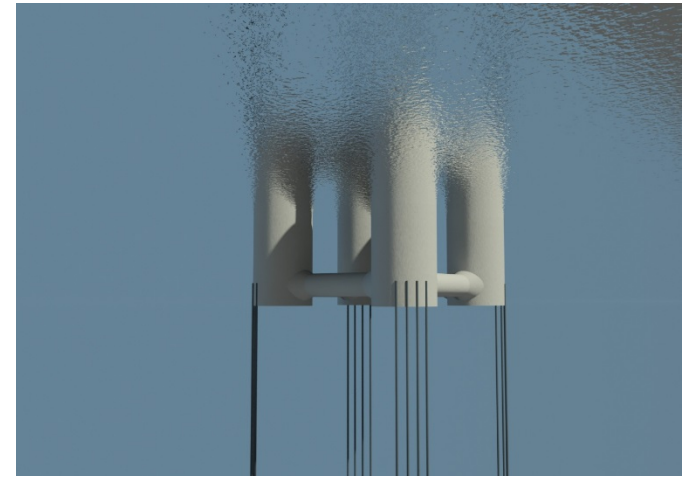
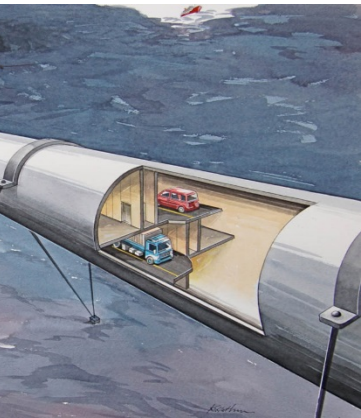
Operational organization within NPRA





Fixed links

- Submerged floating tunnels
- Floating bridges
- Suspension bridges
- Tension Leg Platforms (TLP)
- Gravity Based Structures (GBS)





Energy efficient transport

- Energy harvesting in and around E39
- Power Road
- Electrified roads?
- Energy efficient transport



Society

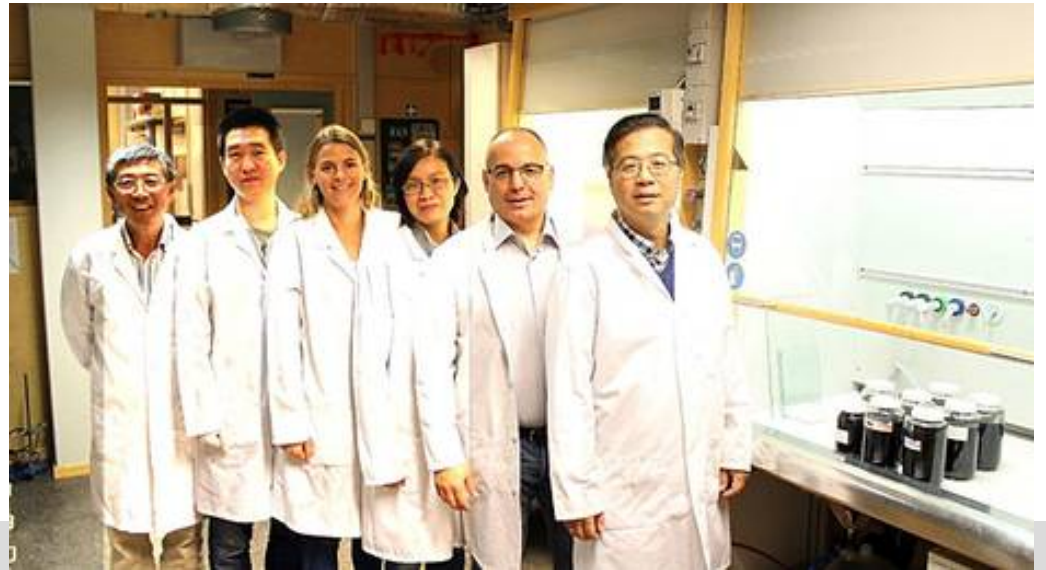
- Transport economics

Cofinanced 31 PhDs – now 42 PhD / PostDocs

PhD overview

- Currently 42 PhDs and Post Docs connected to the Project
- Web–pages with overview
- Increase of PhDs
- Local and internatinal interest for the technology!

Picture from Chalmers:
Grafén in Concrete and Asfalt





Developing Technology together

- In order to build fixed links on The Coastal Highway Route E39 we will have to develop new knowledge and technology in partnership with experts at home and abroad
- Larger projects, continuous construction, “new” contracts
- Other sources of financing?



The place to be tomorrow!!




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- PhD-day tomorrow

PhD-work on Ferjefri E39 - programme Teknologidagene 2015 1 september.pdf - Adobe Reader

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PhD-work on The Coastal Highway Route E39 / Ferjefri E39

Trondheim Wednesday September 23. 10.00-17.00
Clarion Hotel og Congress


PROGRAM

Chair: Mathias E. Eidem

Research as an important tool for building extreme structures

Kl. 10.00-10.15 **Welcome**, Kjersti Kvalheim Dunham, NPRA

Kl. 10.15-10.30 **Chalmers PhD in connection with Ferjefri E39**, Bijan A. Zarrabi, Chalmers



22/09/2015



Thank you for listening!

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www.vegvesen.no/ferjefrie39

PhD works in Trondheim September 23. 2015



Further information

- www.vegvesen.no/ferjefrie39
- Flickr; our [Flickr-account](#)
- Youtube (Ferjefri E39, Coastal Highway Route E39, Ferry free E39)
- kjersti.kvalheim.dunham@vegvesen.no



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3D Animation: Coastal Highway Route E39

