

# Oslo Network Meeting Final Programme

Meeting location: BI Norwegian Business School  
Nydalsveien 37, Oslo

## Sunday 11<sup>th</sup> November 2018

13:00 – 15:00 **Optional Site Visit** Bjørvika city redevelopment area and the Operahuset (the new Oslo Opera House)  
15:30 – 18:00 **NETLIPSE Board Meeting** (Thon Hotel Slottsparken, Wergelandsveien 5, Oslo)  
19:00 **Dinner** (Olivia Restaurant Tjuvholmen Bryggegangen 4, Oslo) (Optional for all, dinner is at your own cost)

Day 1: Monday 12 <sup>th</sup> November 2018	Time	Day 2: Tuesday 13 <sup>th</sup> November 2018
Opening of the meeting <i>Hans Ruijter, NETLIPSE Dep. Chairman (The Netherlands)</i>	9:00	Opening and welcome <i>Hans Ruijter, NETLIPSE Dep. Chairman (The Netherlands)</i>
Welcome by host <i>Sebastian Kussi (Norway)</i>		Perspectives on Early Contractor Involvement (ECI)
Investments in transport infrastructure in Norway <i>Therese Ustvedt (Norway)</i>	10:00	- Swedish Experiences <i>Eva Nordberg (Sweden)</i>
Storstrøm Bridge Project - Challenging tender and contract signing <i>Niels Gottlieb and Vibeke Schiøler Sørensen (Denmark)</i>		- Norwegian Experiences <i>Ole Jonny Klakegg (Norway)</i>
Coffee break	11:00	- Dutch Experiences <i>Willem de Graaf (The Netherlands)</i>
Resilient Partnership <i>Hans Ruijter (The Netherlands)</i>		Coffee break
Lunch	12:00	Update on the Turin-Lyon Tunnel <i>Manuela Rocca (Italy)</i>
<b>Introduction - Norwegian Café (two rounds)</b>	13:00	Update about the Ferry-free E39 <i>Kjersti Kvalheim Dunham (Norway)</i>
1. Digitalization in the construction industry <i>Bjarni Einarsson (Norway)</i>		IPAT (Infrastructure Project Assessment Tool) Experiences <i>Pau Lian Staal-Ong (NL)</i>
2. Concurrent engineering and planning of infrastructure projects <i>Anders Nesse Gjesund, Astrid Torsteinson (Norway)</i>		Announcement next Network Meeting <i>Hans Ruijter, NETLIPSE Dep. Chairman (NL)</i>
3. Integrated Project Delivery <i>Johan Arnt Vatnan (Norway)</i>		<b>Start of the site visit (incl. lunch)</b>
Practical perspectives on partnering and collaboration in major projects	14:00	Visit to the large rail project Follobanen Information Center (22.5-kilometer high-speed railway between Oslo and Ski). (Website can be found <a href="#">here</a> , only in Norwegian).
- Slussen Project Stockholm <i>Peter Svärd and Lisa Jacobson (Sweden)</i>	15:00	End of the programme
- ZuidasDok Amsterdam <i>Hans Versteegen (The Netherlands)</i>		
Tea break	16:00	
The INIWAS Project for Improvement of the Northern Italy Waterway System <i>Luigi Mille and Clara Caroli (Italy)</i>	17:00	
End of the first day	19:00	
Dinner (Delicatessen Tapas Restaurant, Aker Brygge, Holmens gate 2, Oslo)		

## NETLIPSE Network Meeting Detailed Programme Oslo

### Sunday 11<sup>th</sup> November 2018

- 13:00 – 15:00 **Optional Site Visit**  
Bjørnvika city redevelopment area and the Operahuset (the new Oslo Opera House). [Sign up](#) when registering for the Network Meeting!
- 15:30 – 18:00 **NETLIPSE Executive Board Meeting (Board members only!)**  
*Location: Thon Hotel Slottsparken, Wergelandsveien 5, Oslo*
- 19:00 **Dinner at Olivia Restaurant Tjuvholmen**  
*Location: Bryggegangen 4, Oslo (Optional for all, dinner is at your own cost)*

### Monday 12<sup>th</sup> November 2018

Location: *BI Norwegian Business School, Nydalsveien 37, 0484 Oslo, Norway*

- 08:45 Coffee and tea
- 09:00 **Opening of the meeting**  
*Hans Ruijter, Deputy Chairman NETLIPSE Executive Board, Rijkswaterstaat (The Netherlands)*
- 09:15 **Welcome by the host**  
*Sebastian Kussl, Director Project Strategy, Nye Veier (Norway)*
- 09:30 **Investments in transport infrastructure in Norway - an overview**  
Every four years the Norwegian Parliament adopts the National Transport Plan which is a long-term plan for investments in transport infrastructure in Norway. This presentation will cover the investment plan for the period 2018-2029.  
*Therese Ustvedt, Strategy Section, National Public Road Administration (Norway)*
- 10:15 **Storstrøm Bridge project - Challenging tender and contract signing**  
The Danish Road Directorate (DRD) and Storstrøm Bridge Joint Venture (SBJV) signed the Turnkey Contract in February 2018, covering the construction of the new Storstrøm Bridge. This was preceded by a long process evaluating the contractors reputation and economic conditions as well as interference from the press and political level. In this presentation we present the impressive project and the major tender and contracting process challenges.  
*Niels Gottlieb, Project Director, Vejdirektoratet (Denmark)*  
*Vibeke Schiøler Sørensen, Legal Counsellor, Vejdirektoratet (Denmark)*
- 11:00 Coffee-/teabreak

- 11:30      **Resilient Partnership: a narrative approach to client contractor cooperation**  
The resilient partnership approach was implemented in the Rijkswaterstaat SAA project (Schiphol-Amsterdam-Almere, ca. € 5 bn.), which is the largest infrastructure project in the Netherlands. In parallel, Hans Ruijter – Project Director of this project – has almost completed a PhD on the subject. Hans will share his experiences from both a practical and theoretical perspective.  
*Hans Ruijter, Deputy Chairman NETLIPSE Executive Board, Rijkswaterstaat (The Netherlands)*
- 12:15      Lunch (meeting location)

### Norwegian Café – ‘Norsk Kafé’

- 13:00      **Introduction Norwegian Café**  
Three parallel sessions – two rounds.
- Round 1**
- 1. Statsbygg - Digitalization in the construction industry**  
BIM modelling in seven dimensions and paperless building site at Gol Traffic station. Lessons learned by using virtual reality and 3D safety in the planning and building process.  
*Bjarni Einarsson Project Manager Project Development and Construction Department, Byggherreavdelingen (Norway)*
- 2. Concurrent engineering and planning of infrastructure projects**  
As part of a research project, methods and software have been developed that allow multiple disciplines/actors to plan and engineer projects in an integrated manner. This has proven to speed up the process and produce better solutions. The team behind this will introduce the method and demonstrate the software  
*Anders Nesse Gjøsund, Group Manager, BIM Oslo (Norway)*  
*Astrid Torsteinson, Principal consultant, Epsis (Norway)*
- 3. Integrated Project Delivery**  
The E6 Trøndelag is Norway's first Integrated Project Delivery (IPD) contract in infrastructure. In the past three years, Nye Veiers execution models have moved from DB-contracts to integrated collaboration contracts in two phases. The next step is taken towards full collaboration with the first IPD-contract in Norway now in the market. This presentation will focus on the background, structure, contents and incentives of the IPD-contract (approx. 1,1 bn. NOK) of the E6 road project in mid-Norway.  
*Johan Arnt Vatnan, SVP/Project Director E6 Trøndelag, Nye Veier (Norway)*
- 13:45      **Round 2**
- 14:30      **Short plenary feedback from the presenters**
- 14:45      Tea break

### Practical perspectives on partnering and collaboration in major projects

- 15:00 **Project New Slussen: from traffic junction to a meeting place in central Stockholm**  
The challenging project New Slussen is built in the middle of the Stockholm city centre. This presentation provides an overview of the project scope, milestones and in particular the challenges during the planning and building phases in the city centre. Furthermore, the alliance strategies will be elaborated as well as the project management system and practical use of project management standards.  
*Peter Svård, Project Director, City of Stockholm (Sweden)*  
*Lisa Jacobsson, Deputy Project Director, City of Stockholm (Sweden)*
- 15:30 **Zuidasdok: Doing it alone is not an option**  
Zuidasdok is a € 2 bn. infrastructure project in the heart of the Amsterdam business district. During a 10 year period the highway, railway- and metro station and public space will get a much larger capacity and higher quality. The project is funded by 5 different parties and carried out in a joint cooperation of three public organisations. Clear and strictly maintained governance is a crucial success factor for the project. The contractor is currently finalising the design and realisation is about to start in 2019.  
*Hans Versteegen, Project Director, Ministry of Infrastructure (The Netherlands)*
- 16:00 **Panel discussion**

- 16:20 **The INIWAS Project for Improvement of Northern Italy Waterway System**  
The Interregional Agency for the Po River (AIPO) carries out studies, works and measures for flood protection and for the development, completion and management of the inland waterway system in northern Italy. AIPO has obtained an EC grant of approximately € 9.3 mln. for the project "Improvement of northern Italy waterway system: removal of physical bottlenecks on Northern Italy waterway system to reach the class V standards" (works total amount € 46 mln.), that will be successfully completed in 2019. The challenge of the Project was to put together three Italian Regions along the Po river, with different governments, laws and procedures, to get to the final goal to improve the most important blue infrastructure of Northern Italy: the Po river navigation network. Moreover, immediately after the kick off of the Project, institutional competences changed in Italy, and consequently a Project Partner had to be replaced, leading to a complex Amendment of the EC Grant Agreement.  
*Luigi Mille, Director General, Interregional Agency for the Po River (AIPO, Italy)*  
*Clara Caroli, Senior Project Manager, Interregional Agency for the Po River (AIPO, Italy)*
- 17:00 End of the Monday programme

### Evening Programme

- 18:30 **City walk from hotel to restaurant**
- 19:00 **Dinner hosted by the Norwegian sponsor organisations**  
Delicatessen Tapas Restaurant, Aker Brygge, Holmens gate 2, Oslo

**Tuesday 13<sup>th</sup> November 2018**

Location: *BI Norwegian Business School, Nydalsveien 37, 0484 Oslo, Norway*

08:45 Coffee and tea

09:00 **Opening and welcome**  
*Hans Ruijter, Deputy Chairman NETLIPSE Executive Board, Rijkswaterstaat (The Netherlands)*

### Perspectives on Early Contractor Involvement

09:10 **Swedish Perspective**  
*Eva Nordberg, Project Director, Trafikverket (Sweden)*

09:30 **Norwegian Perspective: Still looking for the optimal approach**  
In this scientific perspective on ECI, Ole Jonny will elaborate on the recent research on ECI carried out by the NTNU. In addition he will present, the results from ongoing discussions on how the optimal time to engage the contractor can be found.  
*Ole Jonny Klakegg, Professor, Norwegian University of Science and Technology (Norway)*

09:50 **Dutch Perspective: experiences with early contractor involvement in the A28/A1-project**  
The A1-A28 project is a road construction project to improve traffic flows around the junction of motorways A28 and A1 in the center of the Netherlands. In 2015 a contract was awarded not only for the design- and construction phases, but also for the preceding planning phase. Experiences to date with the ECI in this project will be shared in the panel discussion.  
*Willem de Graaf, Rijkswaterstaat (The Netherlands)*

10:10 **Panel discussion**

10:30 Coffee break

11:00 **Update on the Turin-Lyon Tunnel**  
The 57.5 kilometre state of the art railway tunnel project between Turin and Lyon is currently under construction. During the construction the project faces several challenges, for example due to the binational character, regarding soil geography and regarding excavation techniques used on site. During the presentation, Mrs. Rocca will elaborate on these challenges as well as the current works, the tenders, types of contracts and the upcoming challenges.  
*Manuela Rocca, Director Telt, Tunnel Euralpin Lyon Turin (Italy)*

- 11:45 **Update about the Ferryfree E39 project and how such an innovative project works on tendering for and involving contractors**  
The Ferryfree E39 project is Norway's largest and most complex infrastructure project ever. At this stage, many investigations and feasibility studies have been performed. The Project Director will give an update about the progress of the project and the options being considered.  
*Kjersti Kvalheim Dunham, Project Director Ferryfree E39, Statens Vegvesen (Norway)*
- 12:30 **IPAT (Infrastructure Project Assessment Tool) Experiences**  
The IPAT was initiated in 2010 and since then more than 25 project assessments have been carried out by NETLIPSE members, most recently in Germany and Finland. What are experiences so far?  
*Pau Lian Staal-Ong, NETLIPSE Director (The Netherlands)*
- 12:50 **Announcement of the next Network Meeting location & end of the programme**  
*Hans Ruijter, Deputy Chairman NETLIPSE Executive Board, Rijkswaterstaat (The Netherlands)*

#### Site visit to the Follobanen Information Center (incl. lunch)

13:00 Lunch packages to bring along to the Information Center

13:30 **The Follobanen approach to contracts and involvement of suppliers**  
**Visit to the Follobanen Information Center**  
Follobanen is to date the biggest infrastructure project in Norway. It will result in a 50% reduction in travel time: the longest railway tunnel in the Nordic region and a modern public transport hub in Ski, a small town south of Oslo. Trains will run directly between Oslo Central Station and Ski, with a travel time of just 11 minutes. The Follo Line will be a total of 22 km in length, with a 20 km tunnel through Ekebergåsen (the Ekeberg Hill). The new Ski Station is the most visible result of the major Follo Line Project. More than half the work on the Follo Line is now completed, and the project is set for completion in December 2021.  
*Morten Sigvardsen, Head of Supplier Relations at Bane NOR SF, Infrastructure Construction Division*

15:00 **End of the Network meeting**