

Objectives of the Infra Data Model Seminar

- Inform of the data model development in an infra sector
 - what is it about in an infra sector?
 - latest development in Norway and in Finland
- Discussion about the common need of a data model
 - need of a standardization?
 - potential savings or better productivity
 - Nordic competitiveness in Europe
- Agreement of future co-operation in data model development?
 - Nordic or Baltic Sea area co-operation?

Is there a need for a common data model?

- Data transfer between various systems and planning and design stages still remains problematic
- Design data transfer increases costs by about 10 - 30 percent for customer
 - road and rail administrations
 - provinces or municipalities
- The information produced during planning or design has not been able to utilize at different stages of the life cycle
 - construction
 - maintenance.

Is there a need for a common data model? (2)

- The volume of infrastructure construction and maintenance in Finland is about 3.8 billion euros per year of which some 150 – 200 million euros is spent on planning
- The development of a common data model is estimated to achieve an annual saving of up to 110 million euros, of which 15–20 million in planning

Is there a need for a common data model? (3)

- Standardization of data transfer and processes is especially important when infrastructure planning, construction and maintenance are subject to competitive tendering and when the service providers comprise multiple businesses
- Standardization improves Nordic competitiveness in Europe and in EU - both in public and private sector

Are we able to achieve some savings,
better productivity or competitiveness
by learning from each other or
by co-operating in a development work
of a common infrastructure data model?