

EULYNX DATA PREP & RailSystemModel

dataprep.eulynx.eu

June 30th Web conference

1







- <rsmCommon:id>d9cab472-bUd3-b454-b4e4-451ff6fe4e61</rsmCommon:id <rsmCommon:associatedNetElements>
- <rsmCommon:appliesInDirection>undefined</rsmCommon:appliesInDirection><rsmCommon:bounds value="0">
- <rsmCommon:coordinates ref="dd718aee-d90a-8855-8ac9-fcele9172b46" /></rsmCommon:bounds>
- <rsmCommon:isLocatedToSide>left</rsmCommon:isLocatedToSide>
 <rsmCommon:netElement ref="4eef6dfa-c583-8358-9327-0c925f062db6" />
- >isax.common:netLiement res= seefEdIa=C503=0330=9327=0C9251062db6
 </rsmCommon:associatedNetElements>



<rsmCommon:appliesInDirection>undefined</rsmCommon:appliesInDirection>



Data are leading

· single source of truth

View follows data

Algorithms don't understand pictures

But what do the data mean ?

- "I know a signal when I see one"
- Data \neq information

Uninformed data is meaningless



<generic:usesLocation xsi:type="rsmCommon:SpotLocation">

- <rsmCommon:id>08aae8e3-a887-d85e-956a-a92e659a3c99</rsmCommon:id> <rsmCommon:associatedNetElements>
- <rsmCommon:associatedNetElements>
- <rsmCommon:appliesInDirection>undefined</rsmCommon:appliesInDirection> <rsmCommon:bounds value="0">
- <rsmCommon:coordinates ref="eb00807b-7496-7156-951b-ffb4c786208f" /> </rsmCommon:bounds>
- <rsmCommon:isLocatedToSide>right</rsmCommon:isLocatedToSide>
- <rsmCommon:netElement ref="d676a698-b811-8059-999e-e5b913104492" /> </rsmCommon:associatedNetElements>

</generic:usesLocation



</rsmCommon:netElement:vs(="4eef6dfa-c683-8358-9327-0c926f062db6" />
</rsmCommon:associatedNetElements>
</qrentic:usesLocation>



EULYNX DP builds on RSM topo foundations

What we need to know

How things connect

- Network topology
- Location on the network

Where is my kit

- Equipment is positioned ...
 - On earth
 - On a map/plan/display

Data are structured

- Query/count/delta
- Exploit graph algorithms

People read graphics, Computers read graphs



What's inside the RSM box?





So you've a nice new model

And now what?





A tool demo

A stencil with master shapes

MS Visio front for data

 Includes a library of generated C#-code

Signalling stencil

- Clever master shapes
- Signals, points, tracks...

Linearisation

- In rail-speak: marshal the shapes into a train of information
- Structured according to model



Shapes have