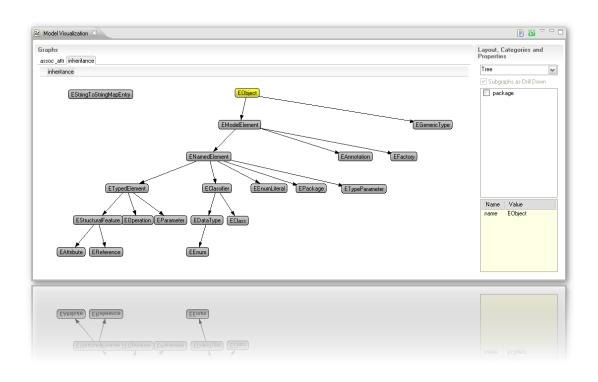
# Modellvisualisierung leicht gemacht

JUG Karlsruhe
Lightning Talks
24.03.2010

Daniel Weber



#### emfmodelvisualizer







# Warum nicht grafisch modellieren?

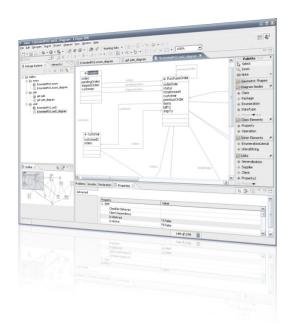


### Entwicklungsaufwand



Diff/Merge

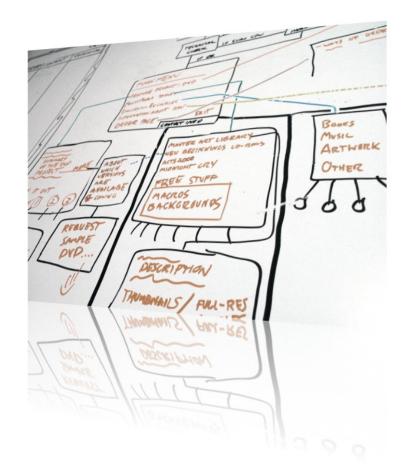
•••



### Textuell modellieren & visualisieren

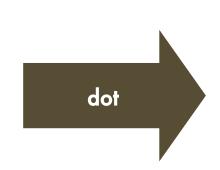


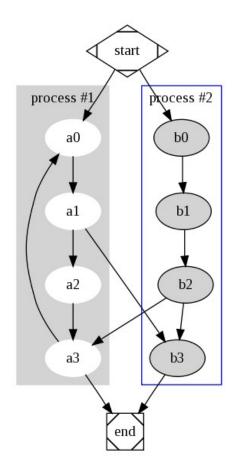




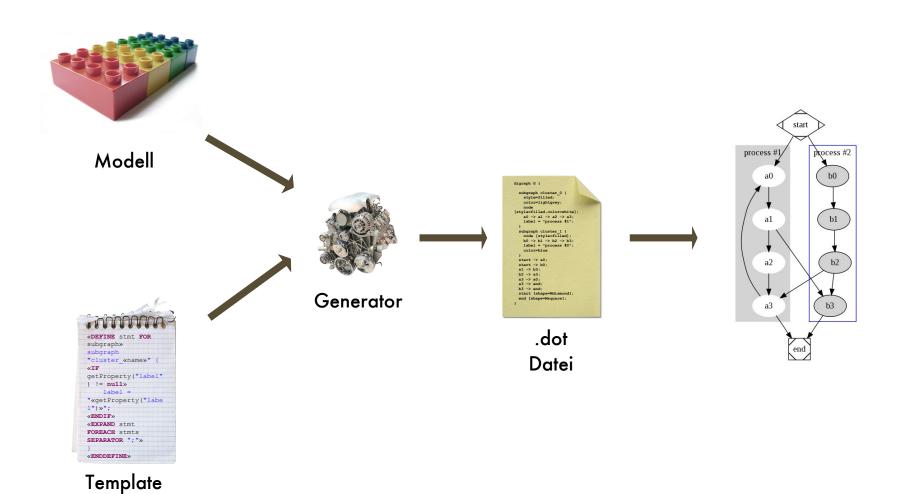
# Graphviz.org

```
digraph G
 subgraph cluster 0 {
   style=filled;
   color=lightgrey;
   node [style=filled,color=white];
   a0 -> a1 -> a2 -> a3;
   label = "process #1";
 subgraph cluster 1 {
   node [style=filled];
   b0 -> b1 -> b2 -> b3;
   label = "process #2";
   color=blue
 start -> a0;
 start -> b0;
 a1 -> b3;
 b2 -> a3;
 a3 -> a0;
 a3 -> end;
 b3 -> end;
 start [shape=Mdiamond];
 end [shape=Msquare];
```





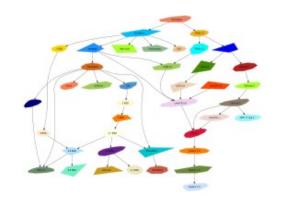
#### **Dot Generator**



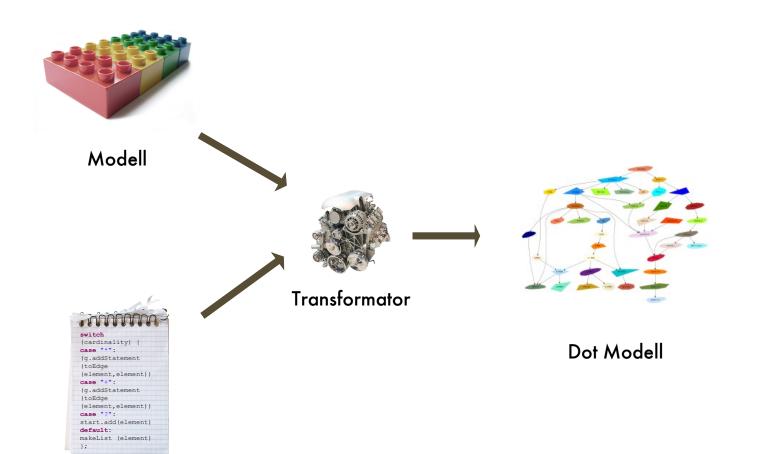
#### Dot Metamodell

- Ursprung in oaw
- Xtext-basiert
- Dot-spezifisch
- Ermöglicht model2model



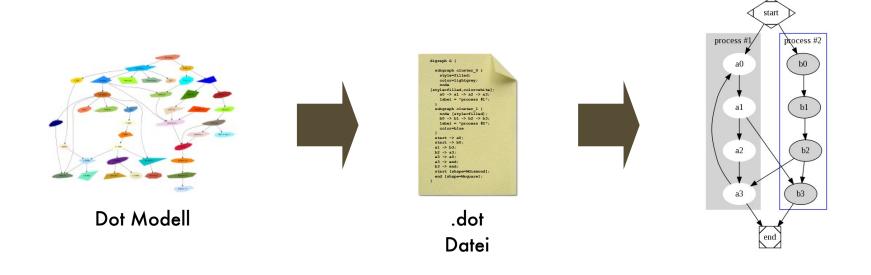


### Dot Modelltransformation



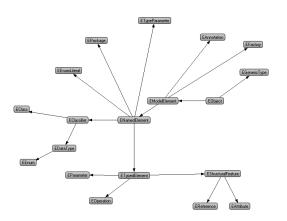
Modelltransformation

# emfmodelvisualizer, übernehmen Sie

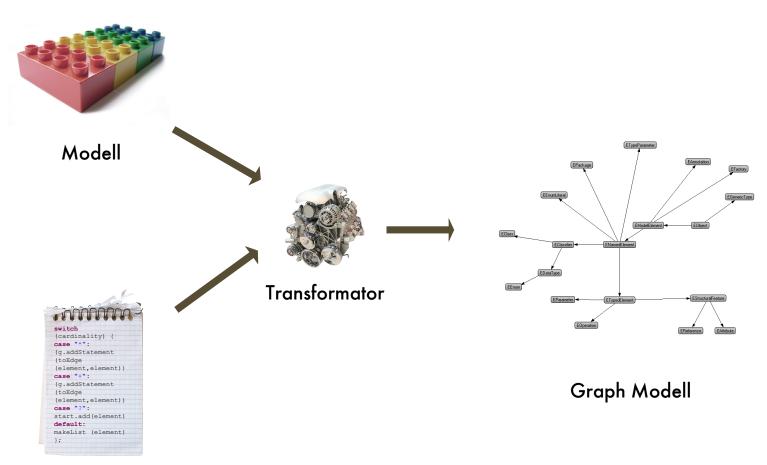


# Graph Metamodell

- Graphen, Knoten, Kanten
- Xtext-basiert
- Generisch

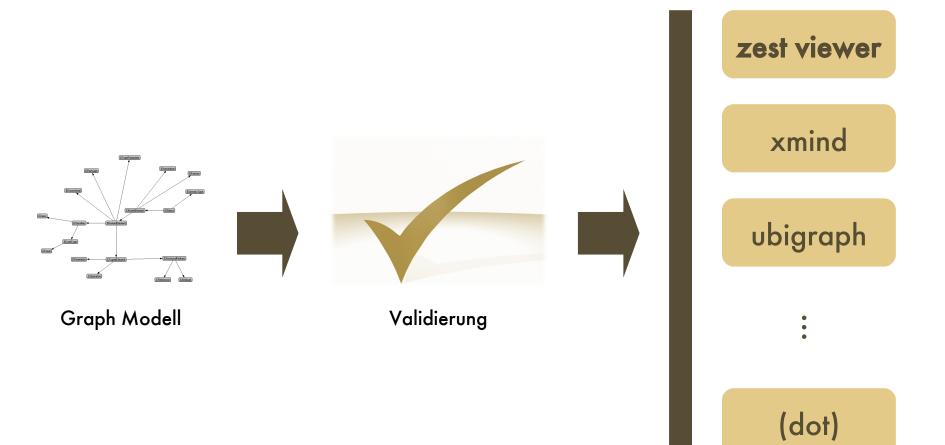


# Model to graph

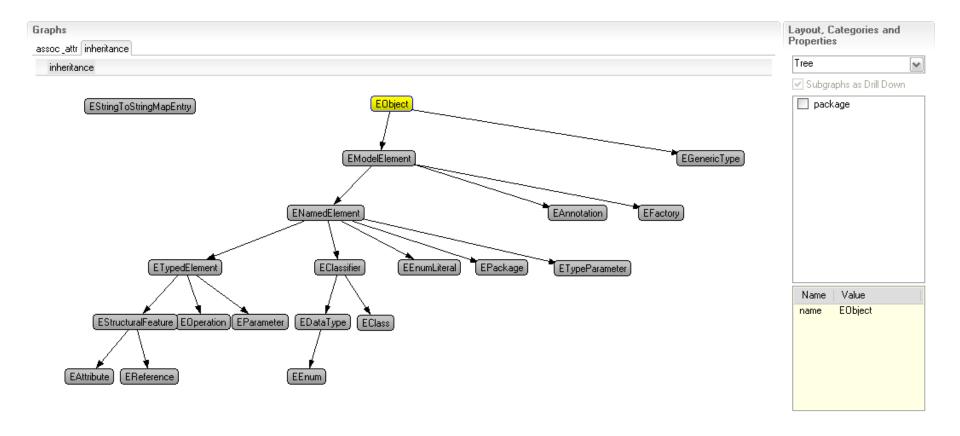


Modelltransformation

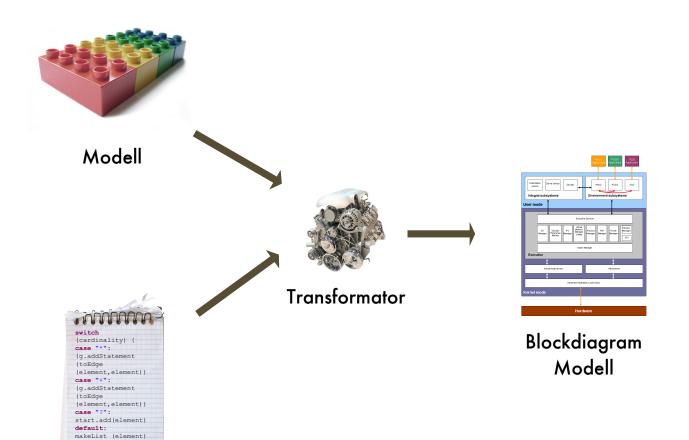
# Graph Model "Backends"



#### Zest Viewer

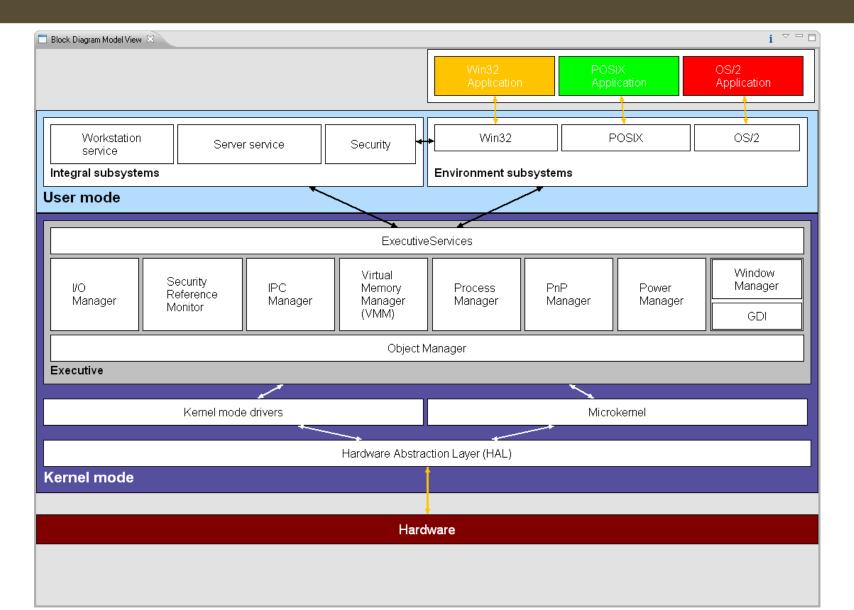


# Blockdiagramme



Modelltransformation

# Blockdiagramm View



#### Ausblick

- Eclipse helios (3.6)
- graphmm2dot
- Weitere graphmm backends?
- Ideen/Anregungen/Bug reports...

#### Links

- emfmodelvisualizer.googlecode.com
- graphviz.org
- eclipse.org/gef/zest
- eclipse.org/Xtext
- danielweber.github.com

# Diskussion





