



## You need to extend your models? EMF Facet vs. EMF Profiles

Hugo Bruneliere, Philip Langer

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You need to extend  
your models?

## EMF Facet vs. EMF Profiles

Modeling Symposium – Monday March 26th, 2012

Hugo Bruneliere

[hugo.bruneliere@inria.fr](mailto:hugo.bruneliere@inria.fr)

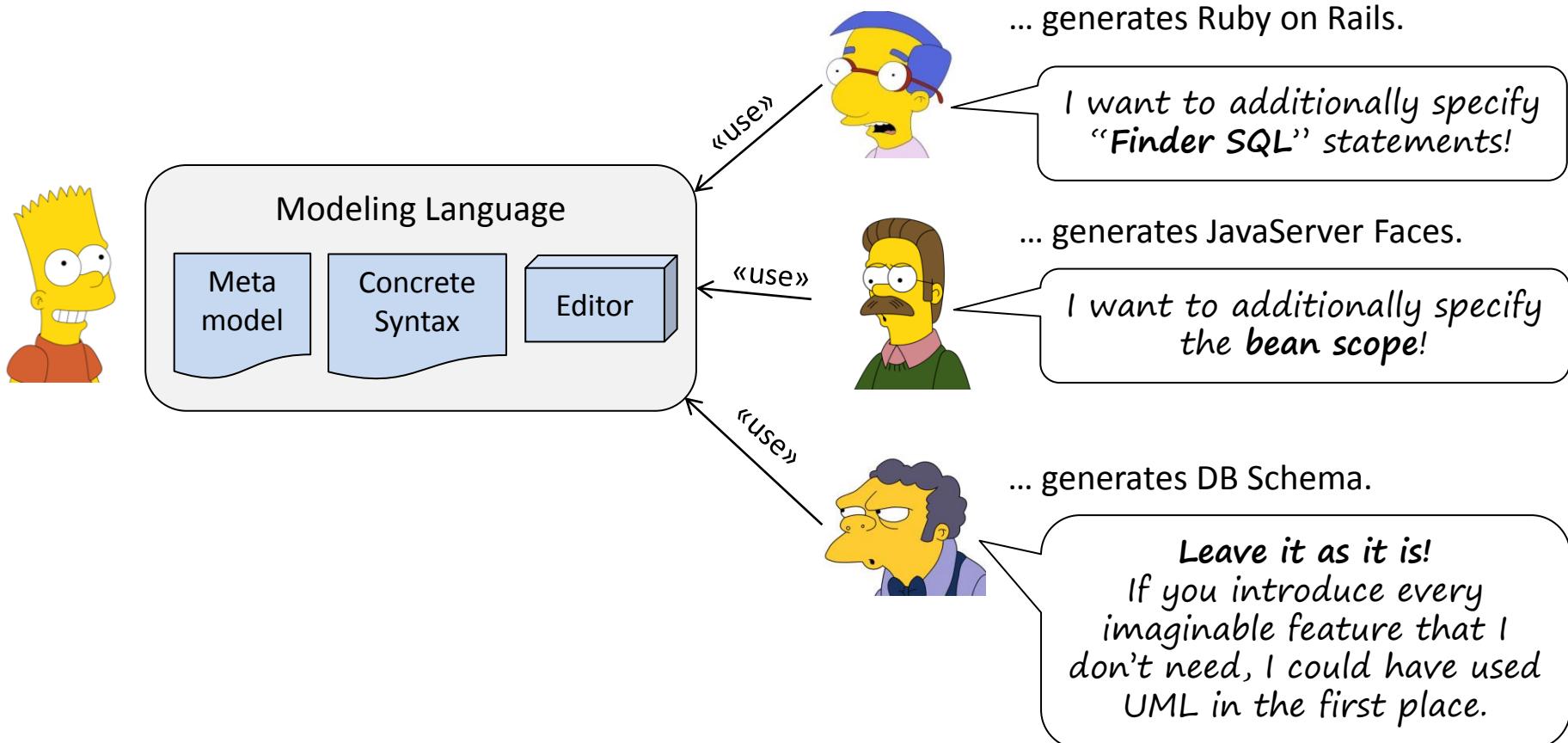


Philip Langer

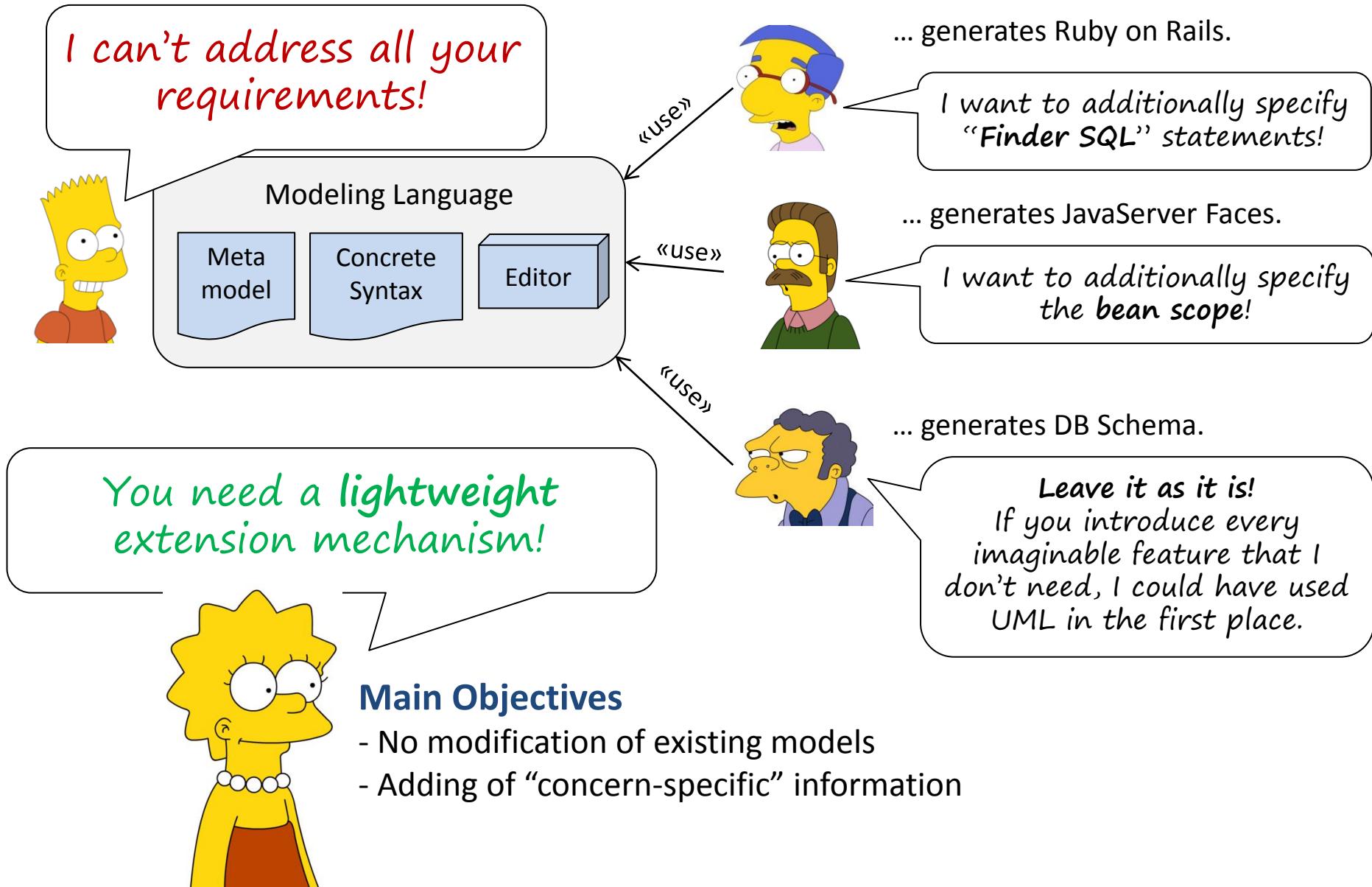
[langer@big.tuwien.ac.at](mailto:langer@big.tuwien.ac.at)



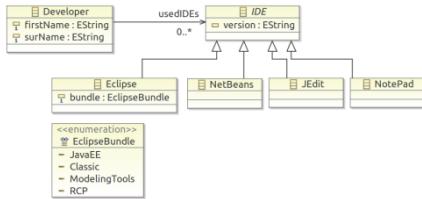
# Why extending existing models?



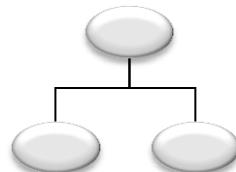
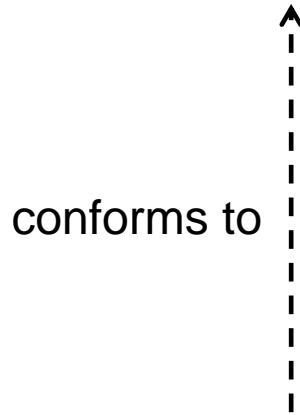
# Why extending existing models?



# EMF Facet - <http://www.eclipse.org/modeling/emft/facet/>

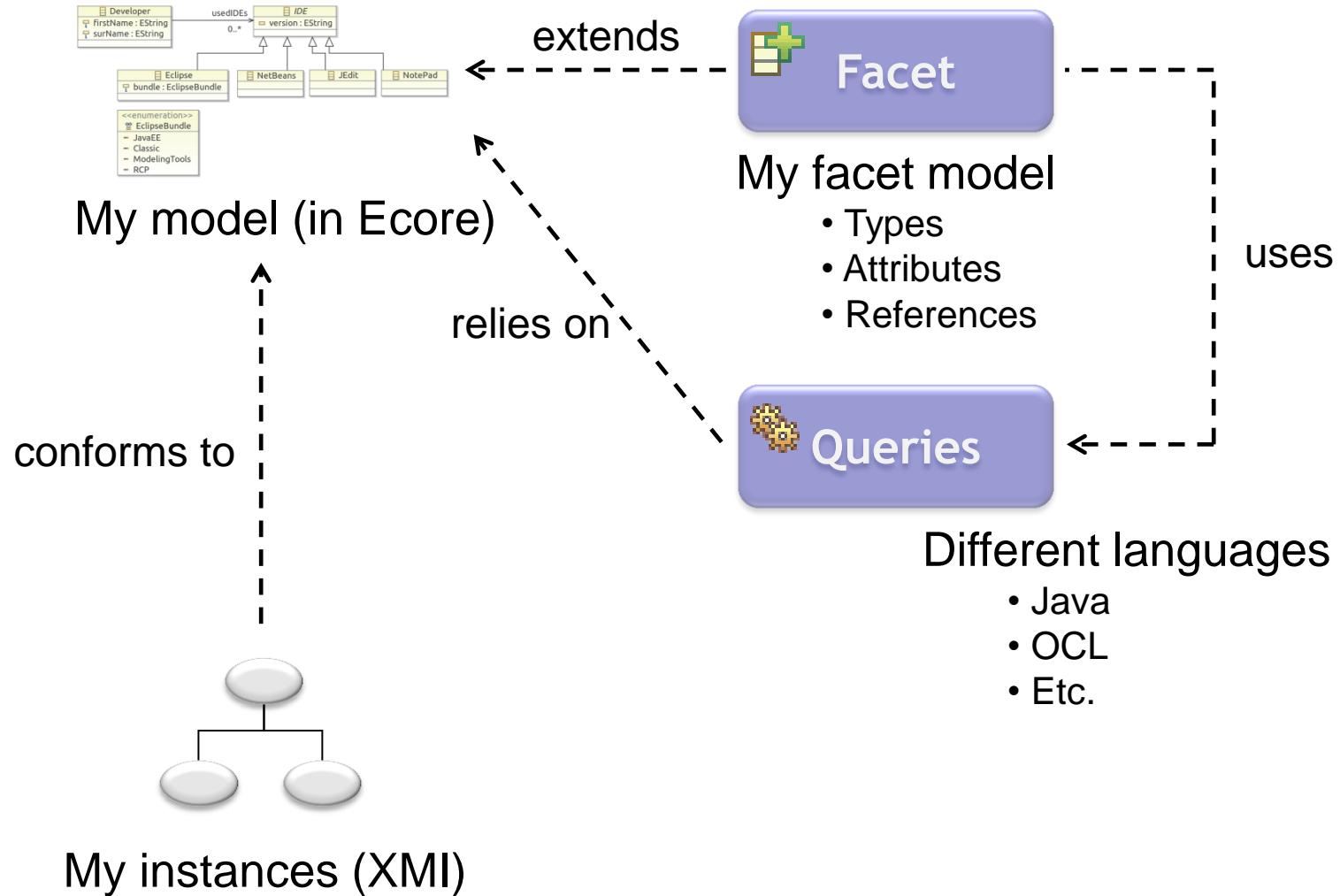


My model (in Ecore)

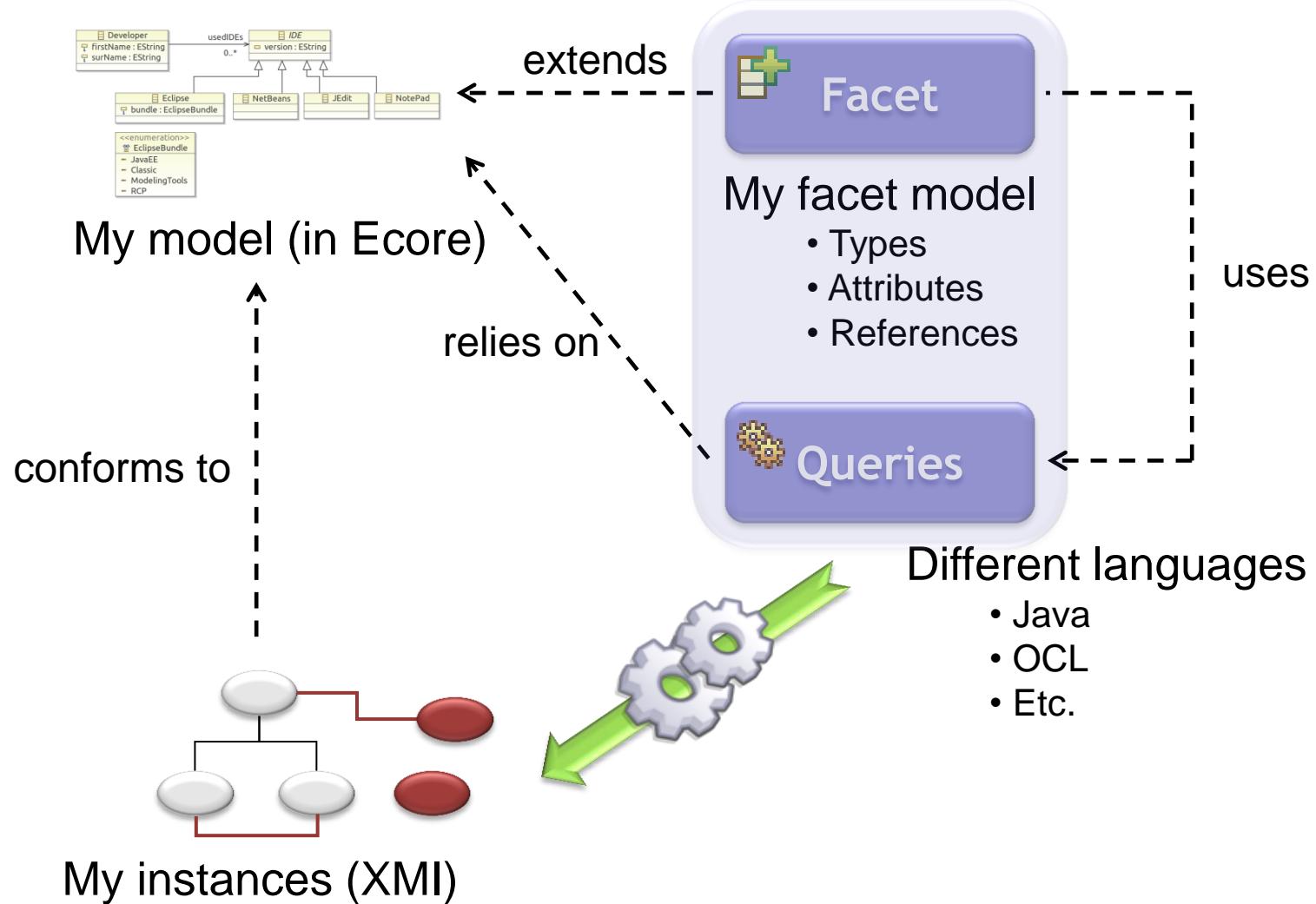


My instances (XMI)

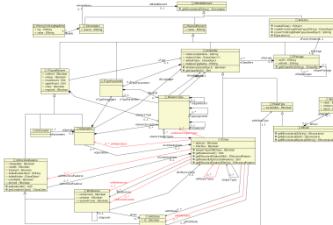
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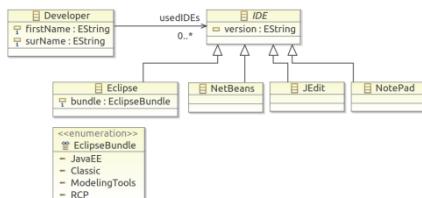
# EMF Profiles - <http://code.google.com/a/eclipselabs.org/p/emf-profiles/>



Ecore metamodel

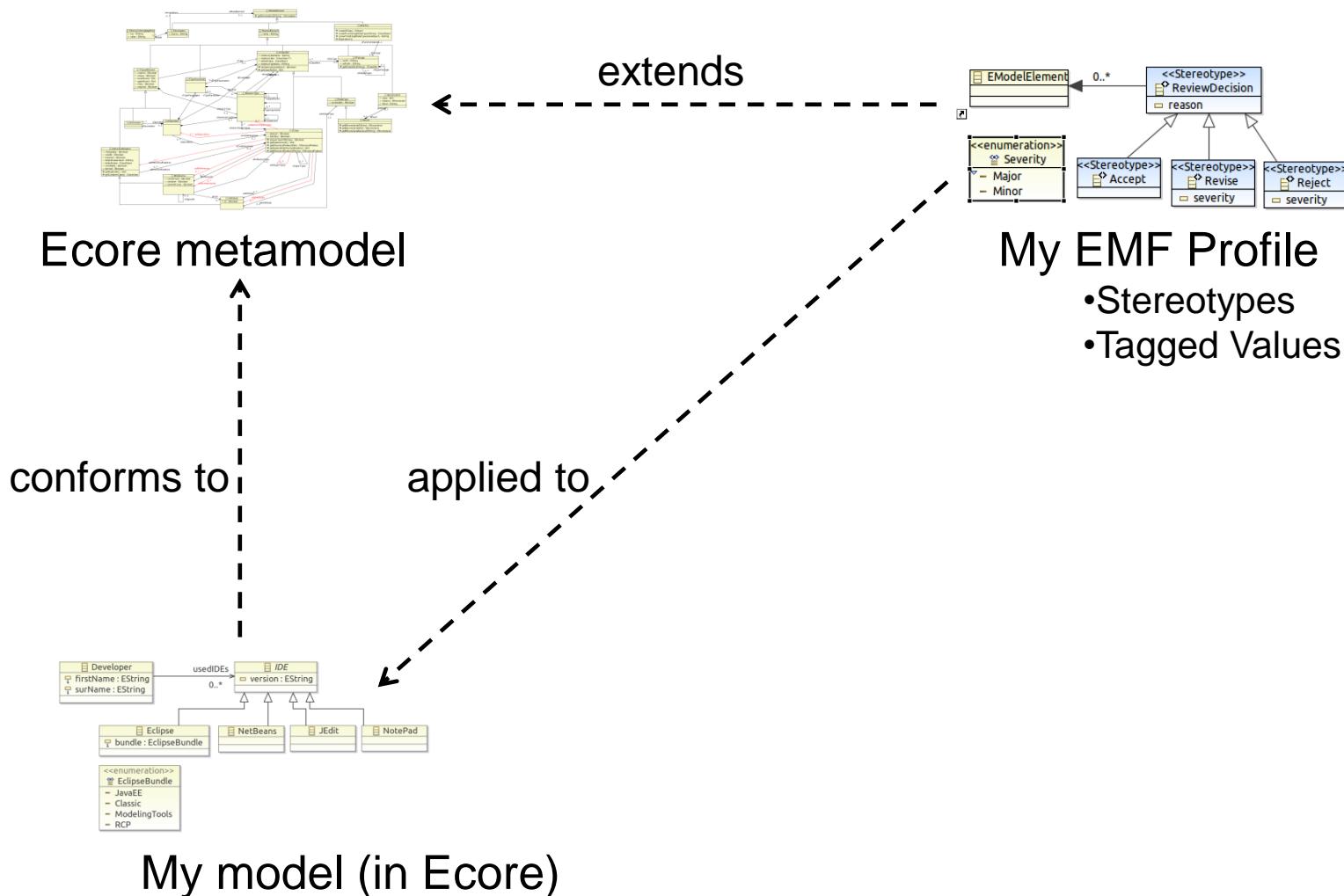


conforms to

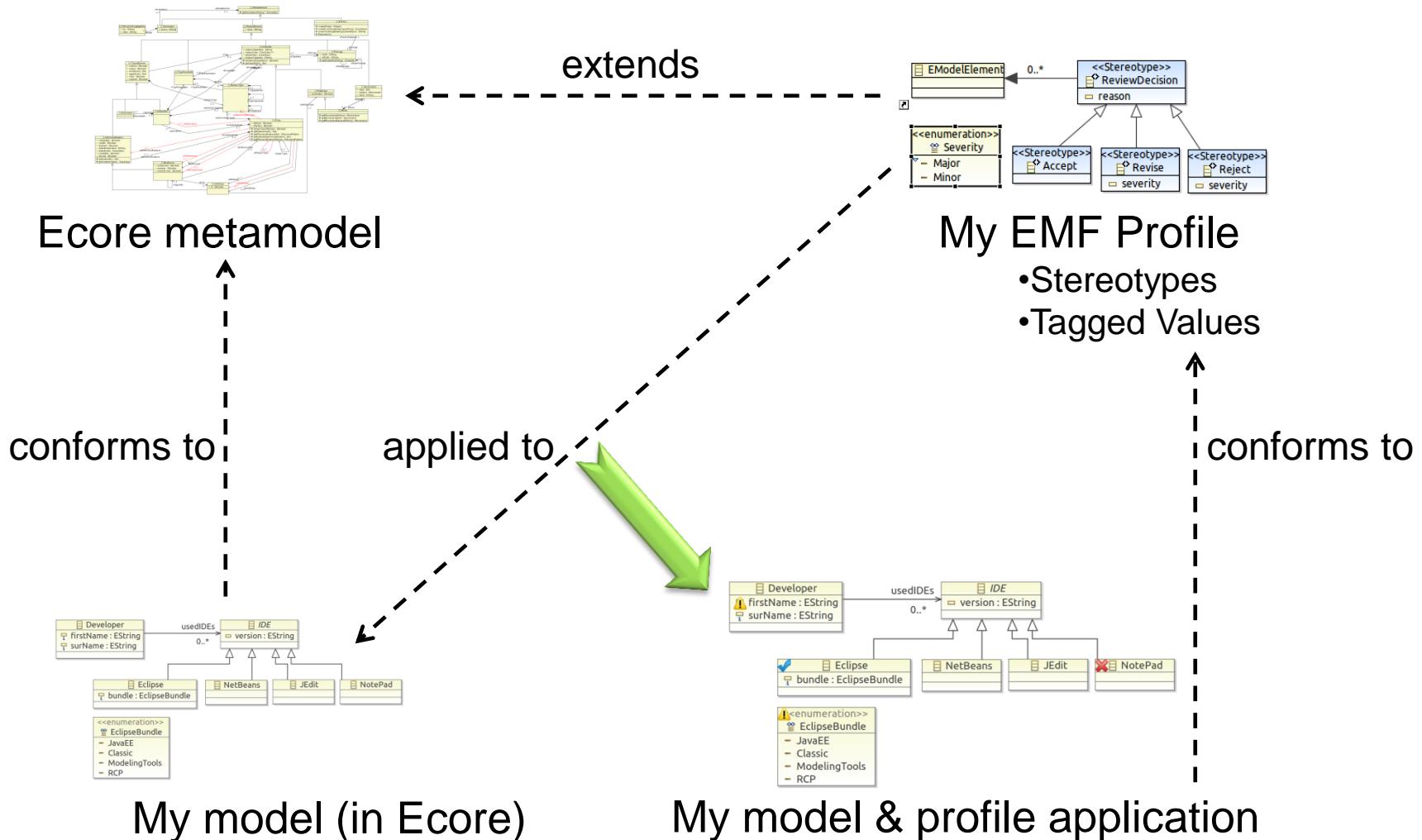


My model (in Ecore)

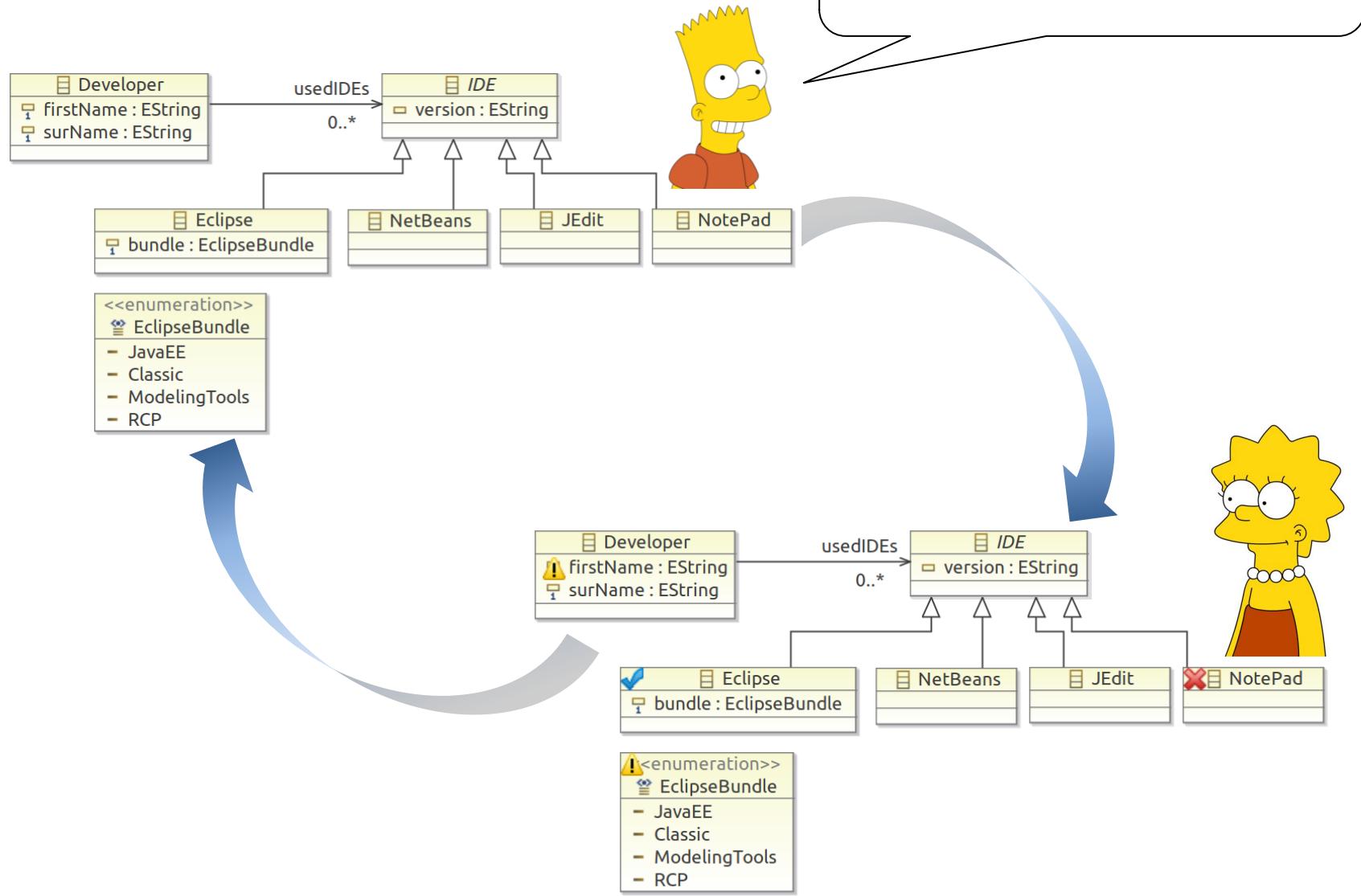
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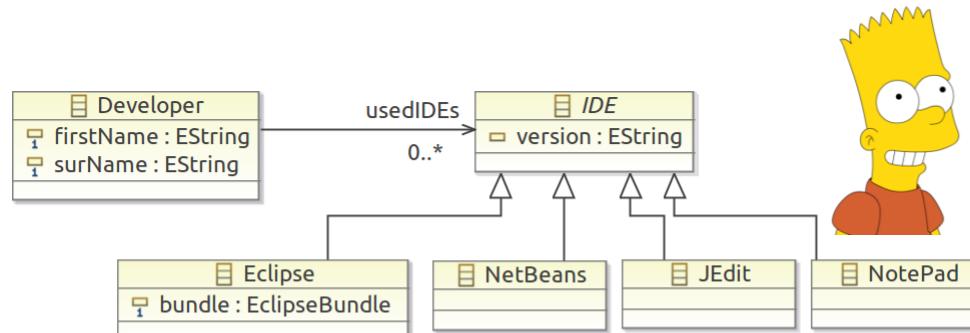
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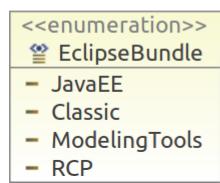
# Example for demo



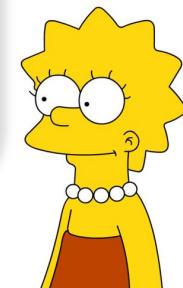
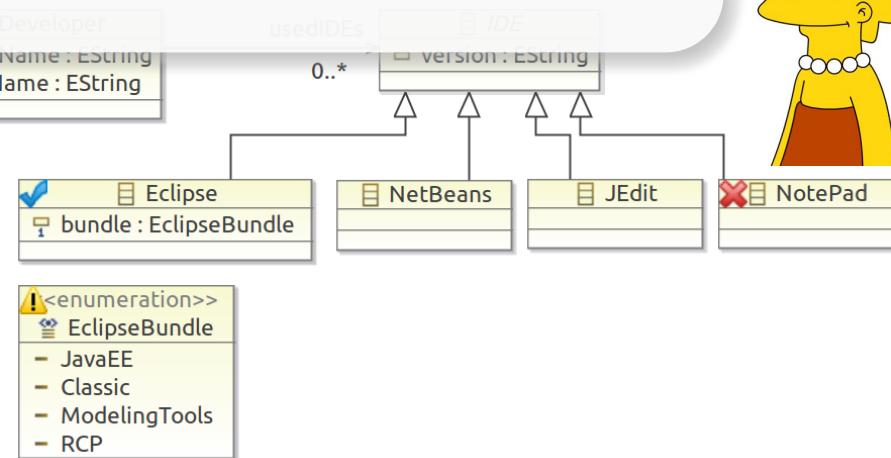
# Example for demo



Review my model,  
Ms. "know-it-all"!



- Without *polluting* the original instances!
- Without *affecting* the Ecore model!
- But still in a *structured* way!
- Easily *processable* by humans and tools!



# Model Extension

EMF Facet	EMF Profiles
Adding of new model elements	Annotating of existing model elements
Support for types, attributes, references	Support for types, attributes, references
Dynamically calculated (via model queries)	Statically defined (via model editors)
Customization of tree view	Customization of diagram view