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What's **New** in EGF?



Benoît Langlois / Thales Global Services



EGF

Eclipse Generation Factories

A Software Factory Tool



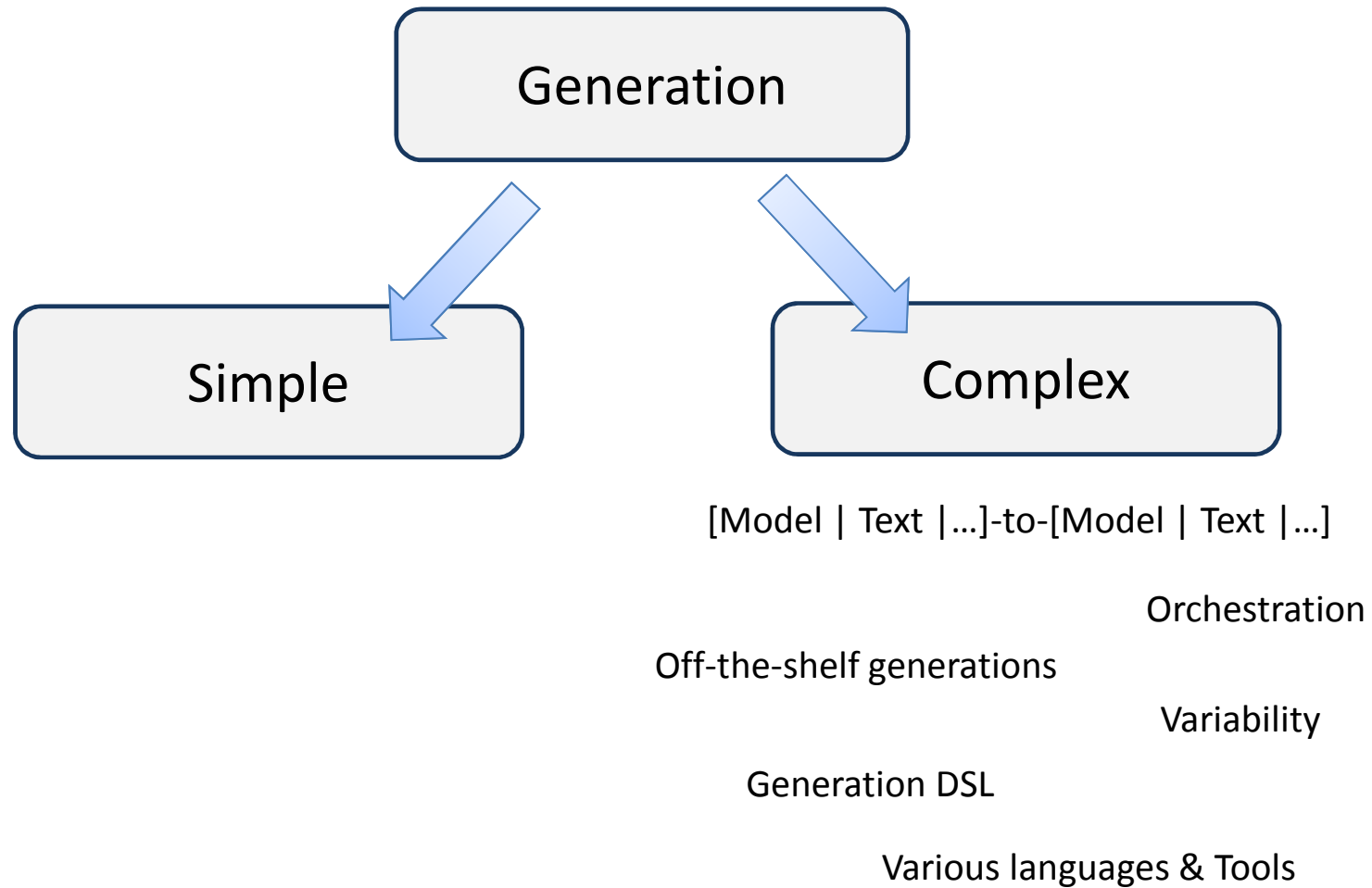
EMFT Component project (incubation)



EGF

Eclipse Generation Factories

In Indigo and Juno



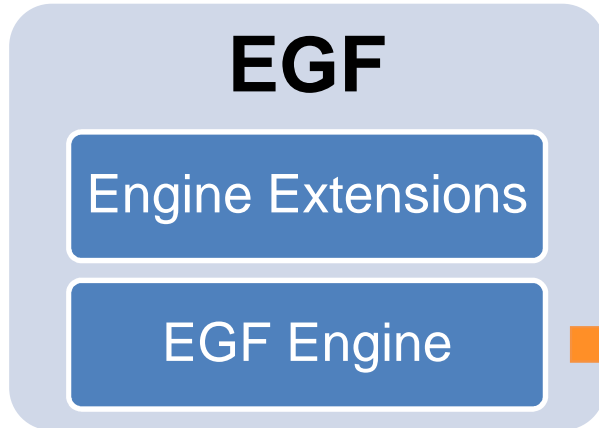
EGF Portfolio

EGF

Engine Extensions

EGF Engine

EGF Portfolio



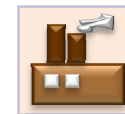
The Basics



EGF Metamodel



Basic behaviors,
dynamic execution



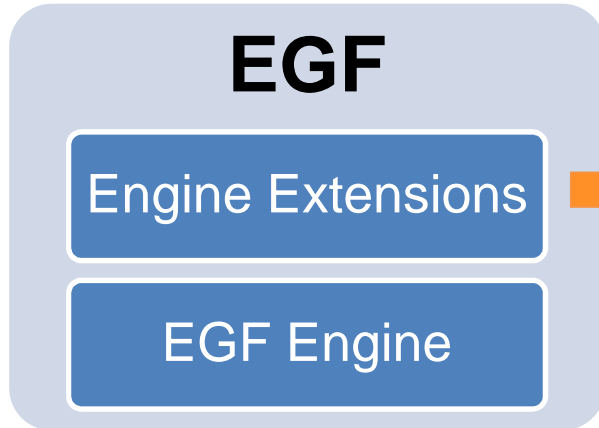
Factory component, task



EGF Pattern

Modèle presentation_epm version 1.0

EGF Portfolio



Extensibility

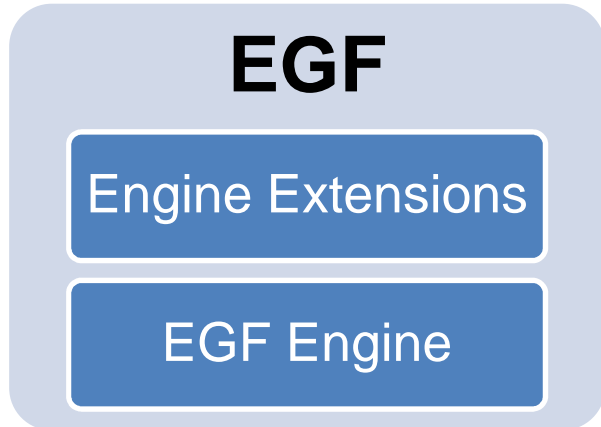
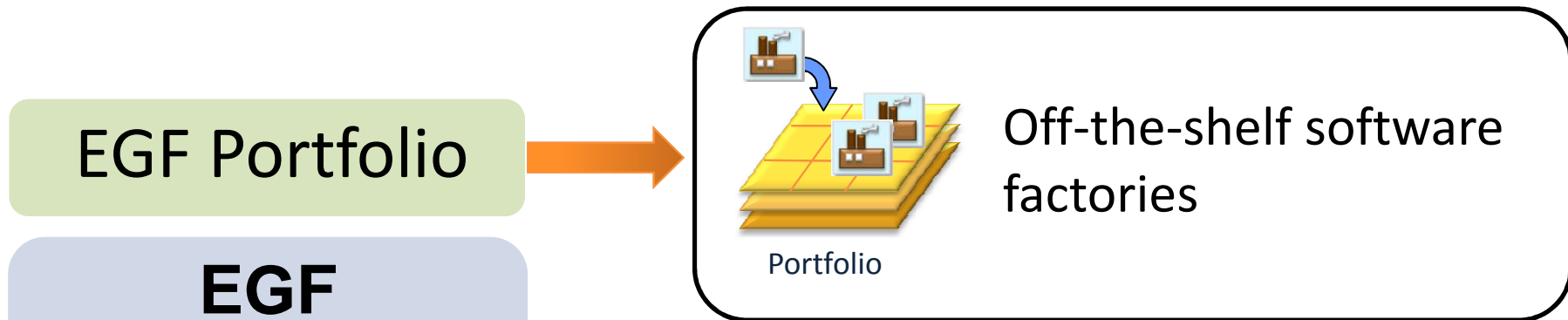


New Language & tools



New generation formalisms

Modèle presentation_epm version 1.0



Portfolios provided with EGF



Enhanced EMF Generation



Build modeler and generator

For continuous integration

(Hudson/Jenkins, Buckminster today)

Modèle presentation_epm version 1.0



Enhanced EMF Generation

EMF Generation, html doc

New

Ecoretools diagram generation
JavaDoc generation



Build modeler and generator

For continuous integration

(Hudson/Jenkins, Buckminster today)

Editor + Generator for Hudson/Jenkins & Buckminster

New

Build Metamodel extended with new features

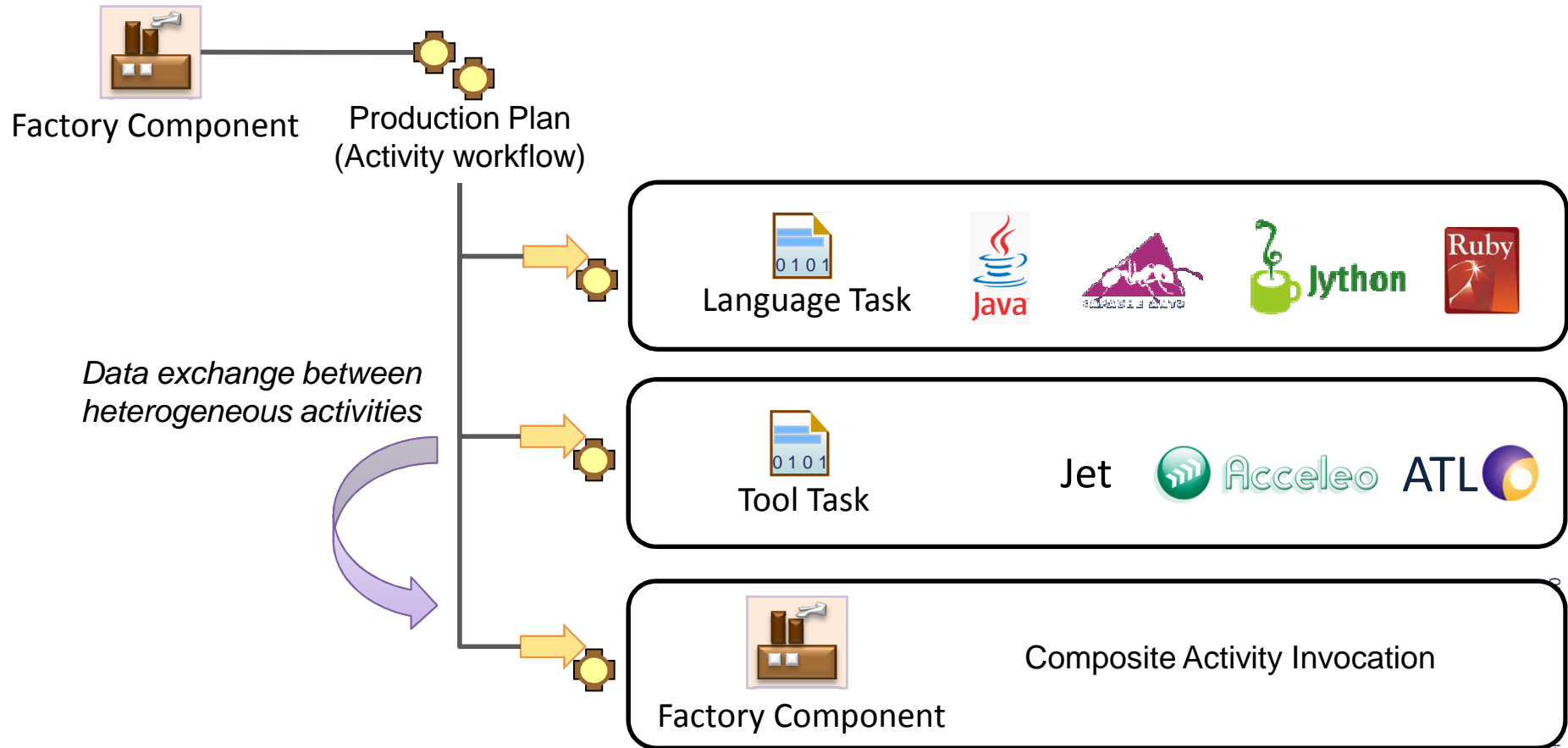
4 Formalisms for Generation

Formalism #1

Factory Component

Formalism #2

Task



Modèle présenté

Languages



under eclipse Labs / EGF (due to IP)

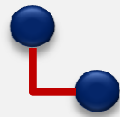
New

Tools

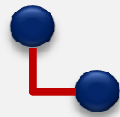
Jet



Formalism #3



Generation Chain

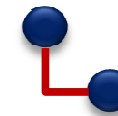
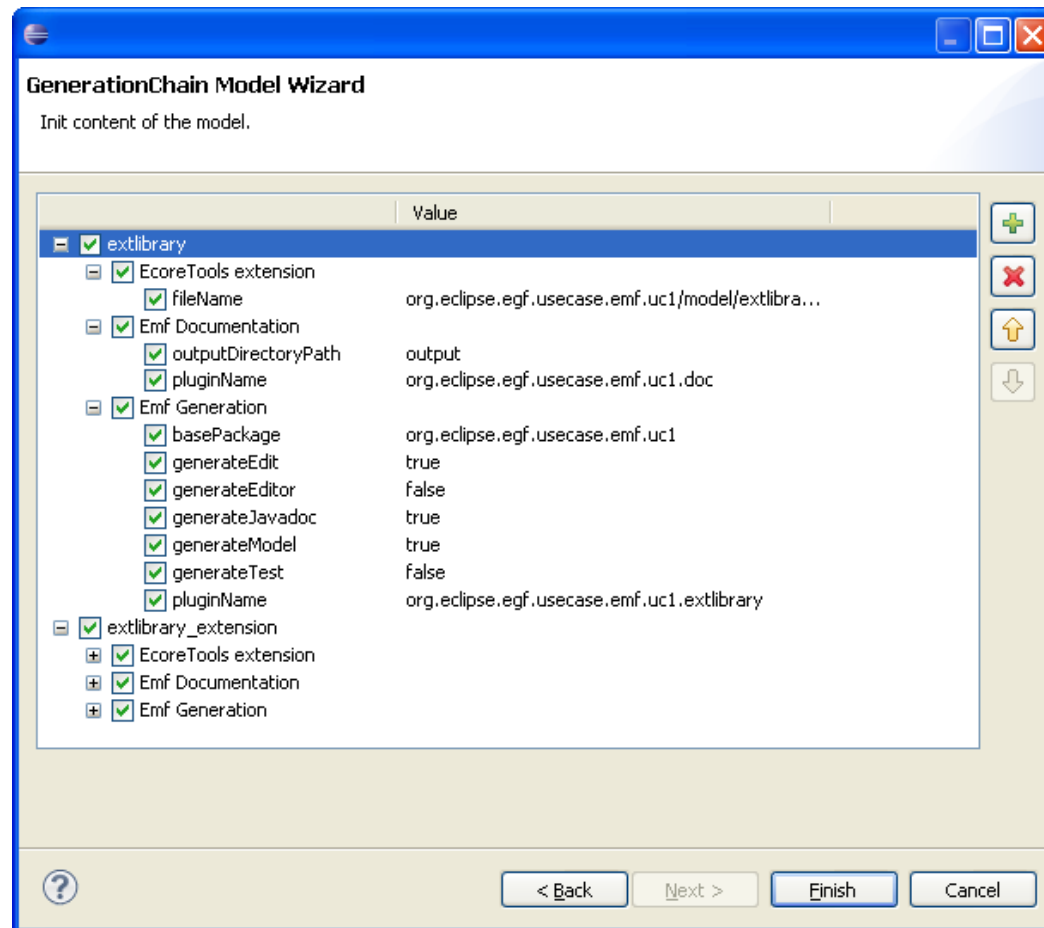


Generation Chain

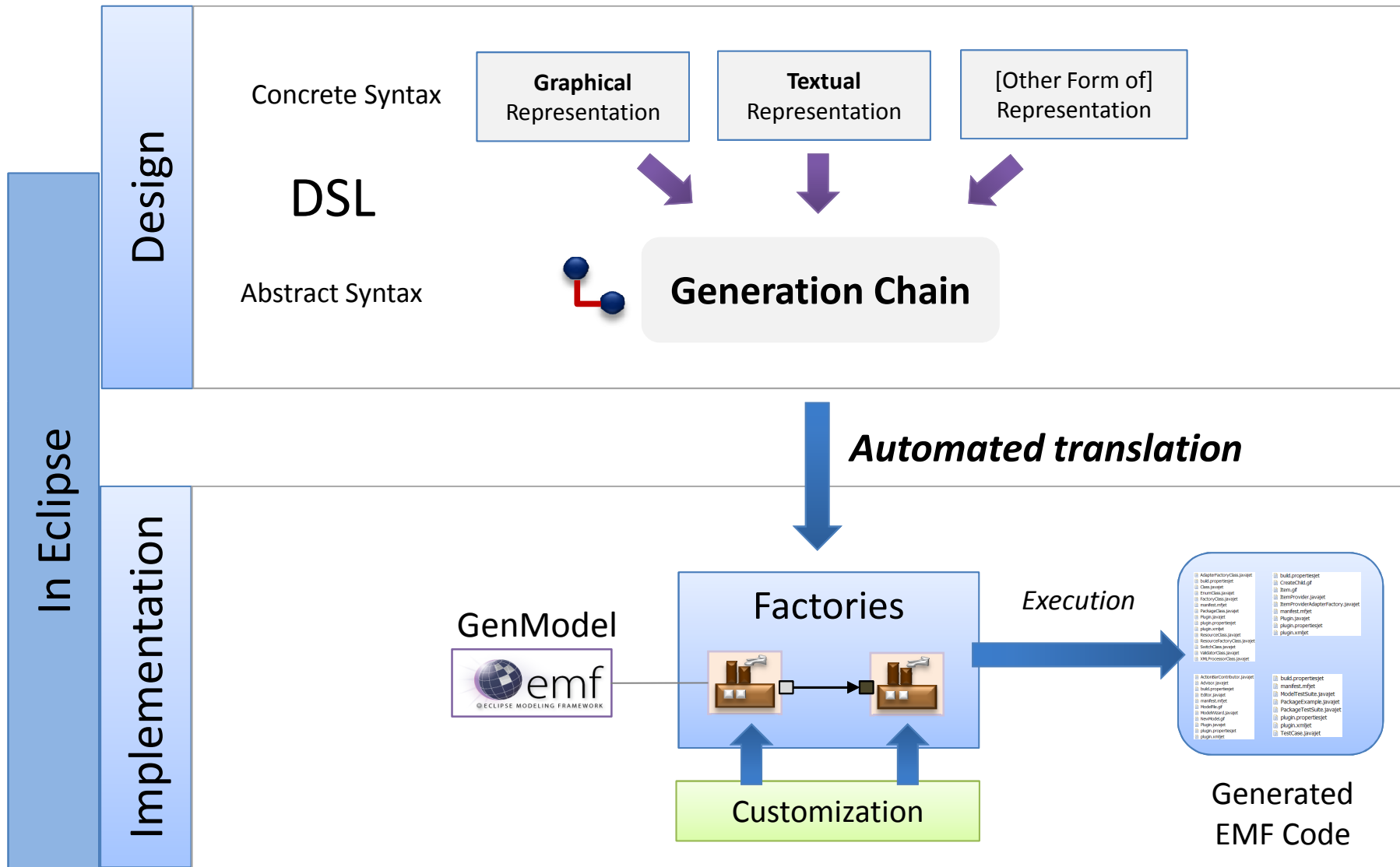
Definition of generation at a high level of description

Purpose: to easily define and maintain complex generations

Setting main features for each selected ecore models



A generation chain model is automatically created



Modèle presentation _epm version 1.0

Formalism #4

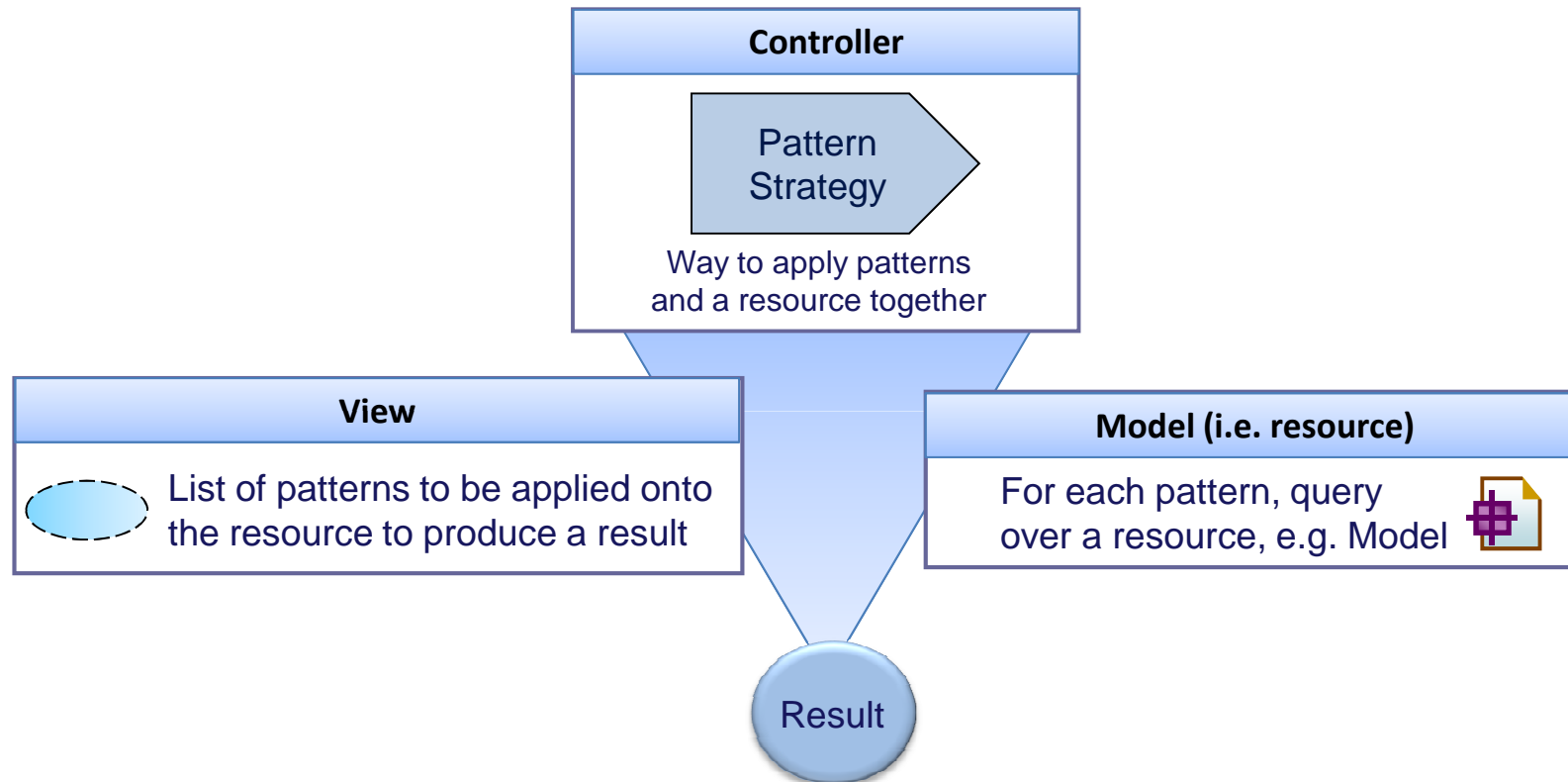




Pattern

Declarative formalism to process a resource
(e.g., model, file)

Implementation in different languages,
such as Jet for M2T or Java





Pattern

Model-to-Text

Post-Processing

Trace (who generates what?)



New



Pattern

Pattern Techno

Pattern Comparison



New



Download

by Eclipse update site
by Almalgam update site

http://wiki.eclipse.org/EGF_Installation



Project page: <http://www.eclipse.org/egf>

Wiki: <http://wiki.eclipse.org/EGF>

Blog: <http://blanglois.blogspot.com/>

Twitter: @LangloisBenoit