Setup Guide

Prerequisites:

- Java SE 1.7
- GEMOC Studio 2.2.0
- Required repositories:
    - xMOF: https://github.com/moliz/moliz
    - GEMOC- model debugging: https://github.com/SiriusLab/ModelDebugging
    - xMOF-GEMOC Integration: https://github.com/moliz/moliz.gemoc
    - Melange: https://github.com/diverse-project/melange

GEMOC Studio:

The project uses GEMOC Studio version 2.2.0 which can be downloaded here: http://gemoc.org/studio-download/. At the moment version 2.2.0 is still a development version which means you have to download the nightly build.

WE use Graphiti in our project which is not contained in GEMOC Studio per default, so you have to install the plugin "Graphiti (Incubation) via the "Install modelling component" menu.

Workspace Setup:

GEMOC Studio provides a language workbench and a modelling workbench (Runtime Eclipse Instance)

Language workbench

The language workbench needs to contain several projects of the required repositories. Figure 1 shows all project needed.

Modelling workbench

The runtime instance needs to import all projects of the examples directory of the "ame_lab" repository and the Sirius Editor project "org.modelexecution.xmof.representation.sirius.design".

Code Adaptions:

Following adaptions to the respective plugins are currently necessary to run our project

org.modelexecution.xmof.gemoc.engine

The "ame_lab" repository contains a directory "code_adaptions" which contains adapted classes for this plugin. The existing classes have to be replaced with this classes.

org.modelexcution.xmof.editor

In the KernelEditor class the method *showDiagram(Activity activity)* has to be set to ***public*** instead of *private.*

Running the examples

We provide preconfigured launch configurations to run the examples. They can be selected via "Debug as…" (c.f. Figure 2)

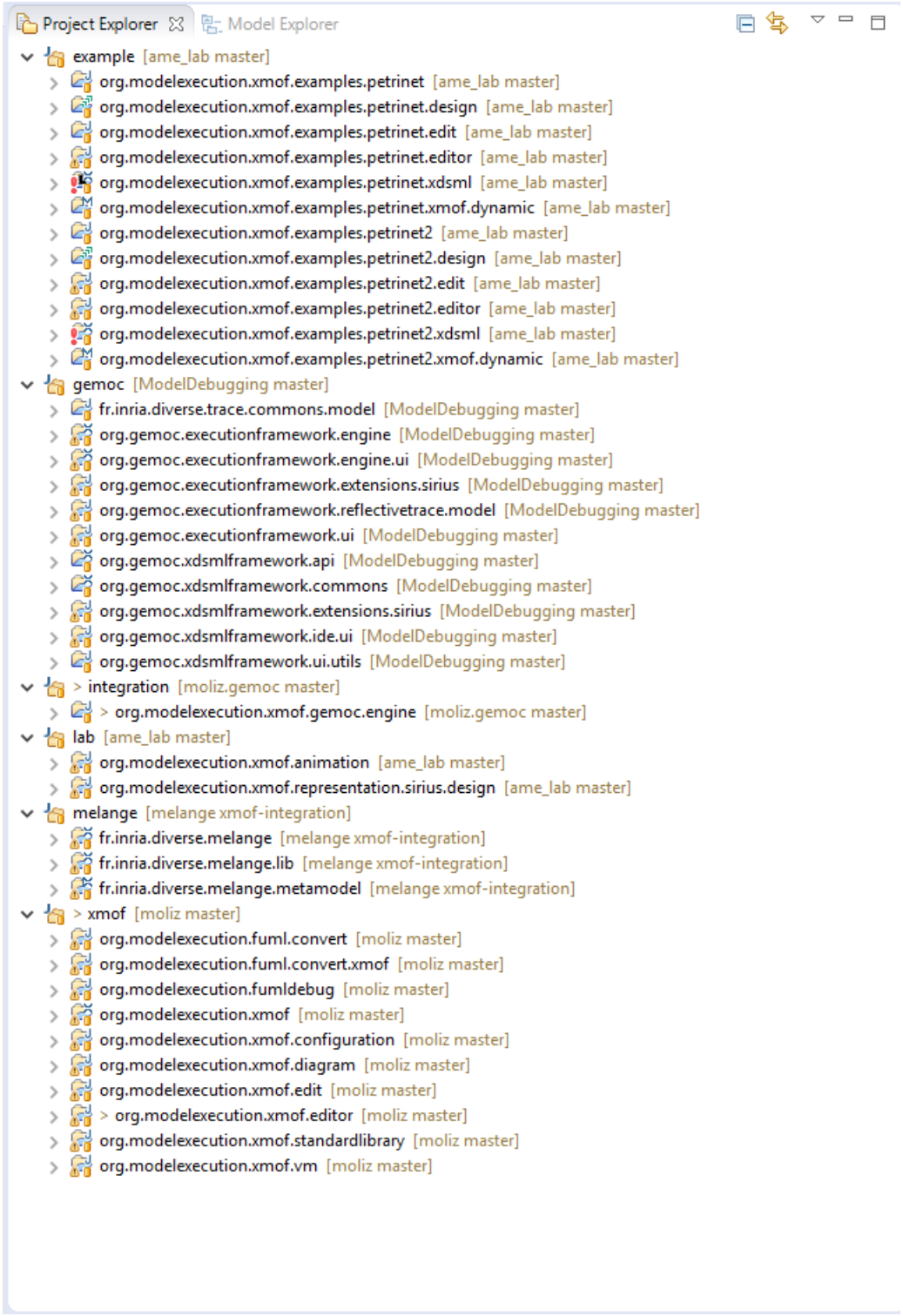

Figure 1 Languge Workbench Workspace

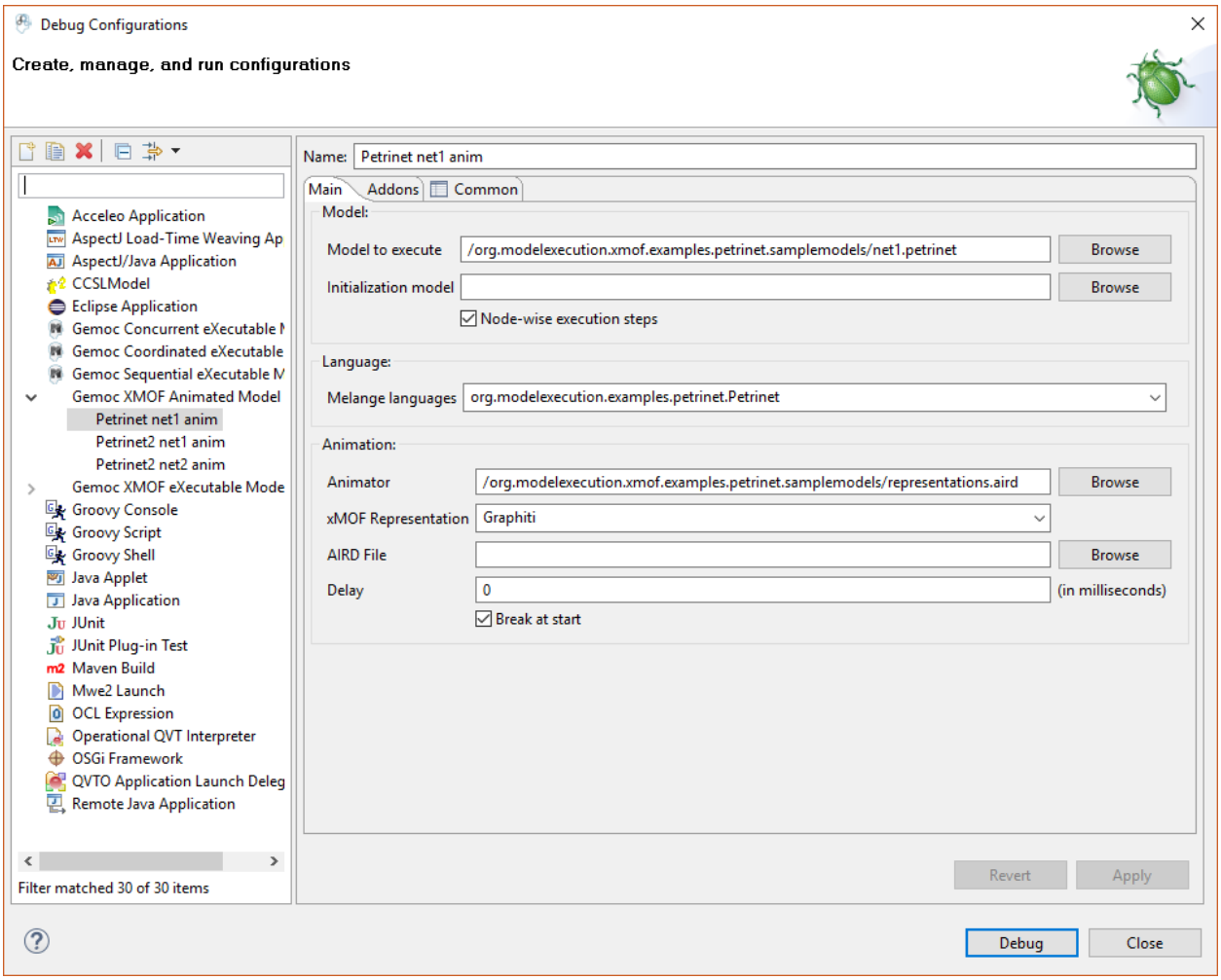

Figure 2 Launch configuration for the examples