POLYCHRONY

A TOOLSET FOR SIGNAL
(AADL2SIGNAL translator)

Polychrony AADL2SIGNAL User Guide

V1.0

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Summary	**User Guide of the AADL-SIGNAL translator.**		

May 31, 2012

Table of Contents

May 31, 2012

1 Translating an AADL model to a Signal model

The **AADL** to **SIGNAL** translator starts from a file suffixed by **aaxl2** (the aadl Syntax Model under Eclipse form of the OSATE V2 tool) and generates the Signal model in a file suffixed by **ssme** (the Signal Syntax Model under Eclipse).

1.1 How to produce an aaxl2 file from an aadl text file

Remind that to produce the aaxl2 file from an aadl text:

- **Open** the aadl file (see Figure 2)
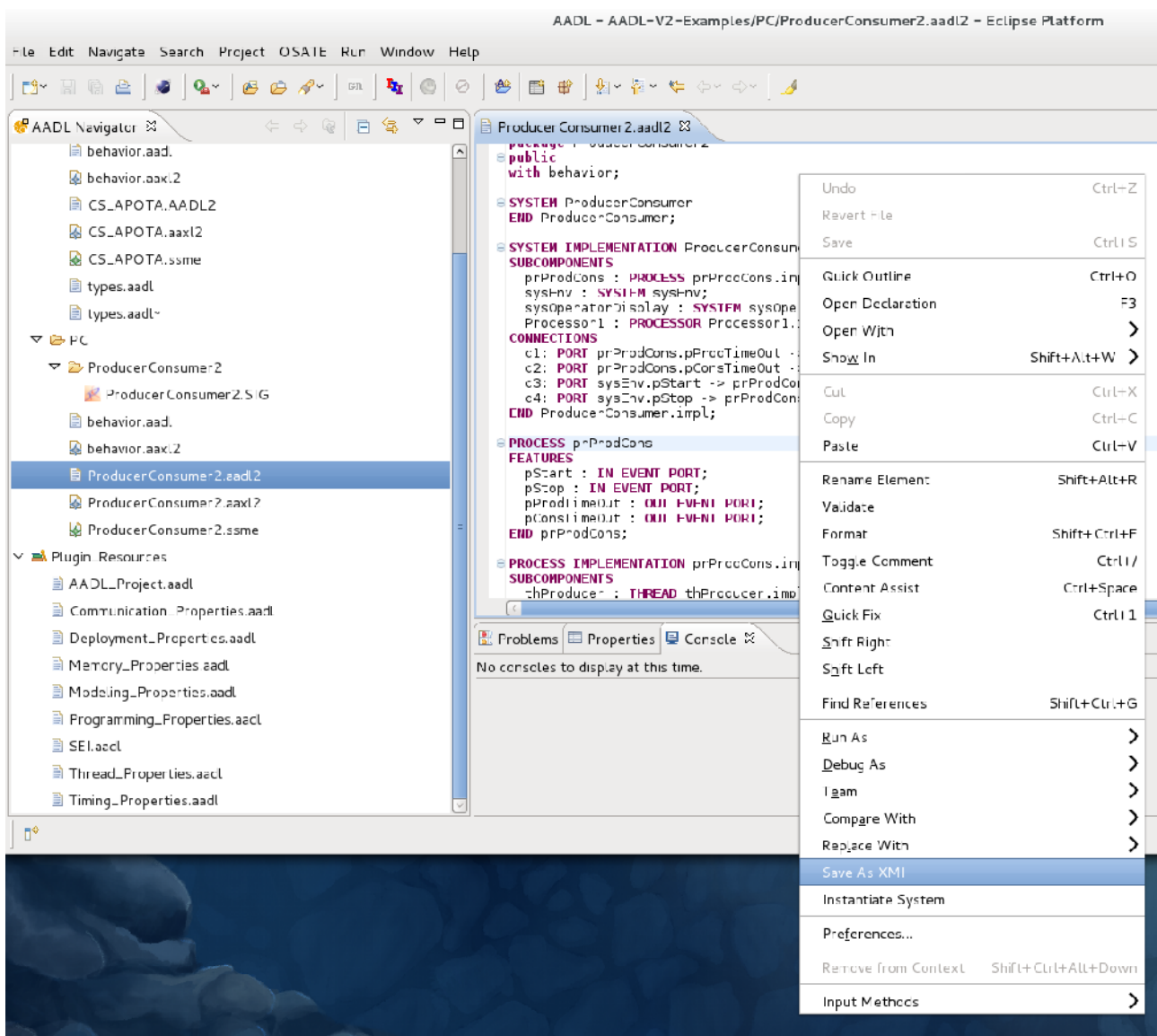- In the text wiew, **right-click** and **select** the "***Save as XMI***" (See Figure 1)

Figure 1: Saving the aaxl2 file

1.2 How to produce the ssme file

To produce the **ssme** file (See Figure 3)

> ➢ **Select** an *"aaxl2"* file,

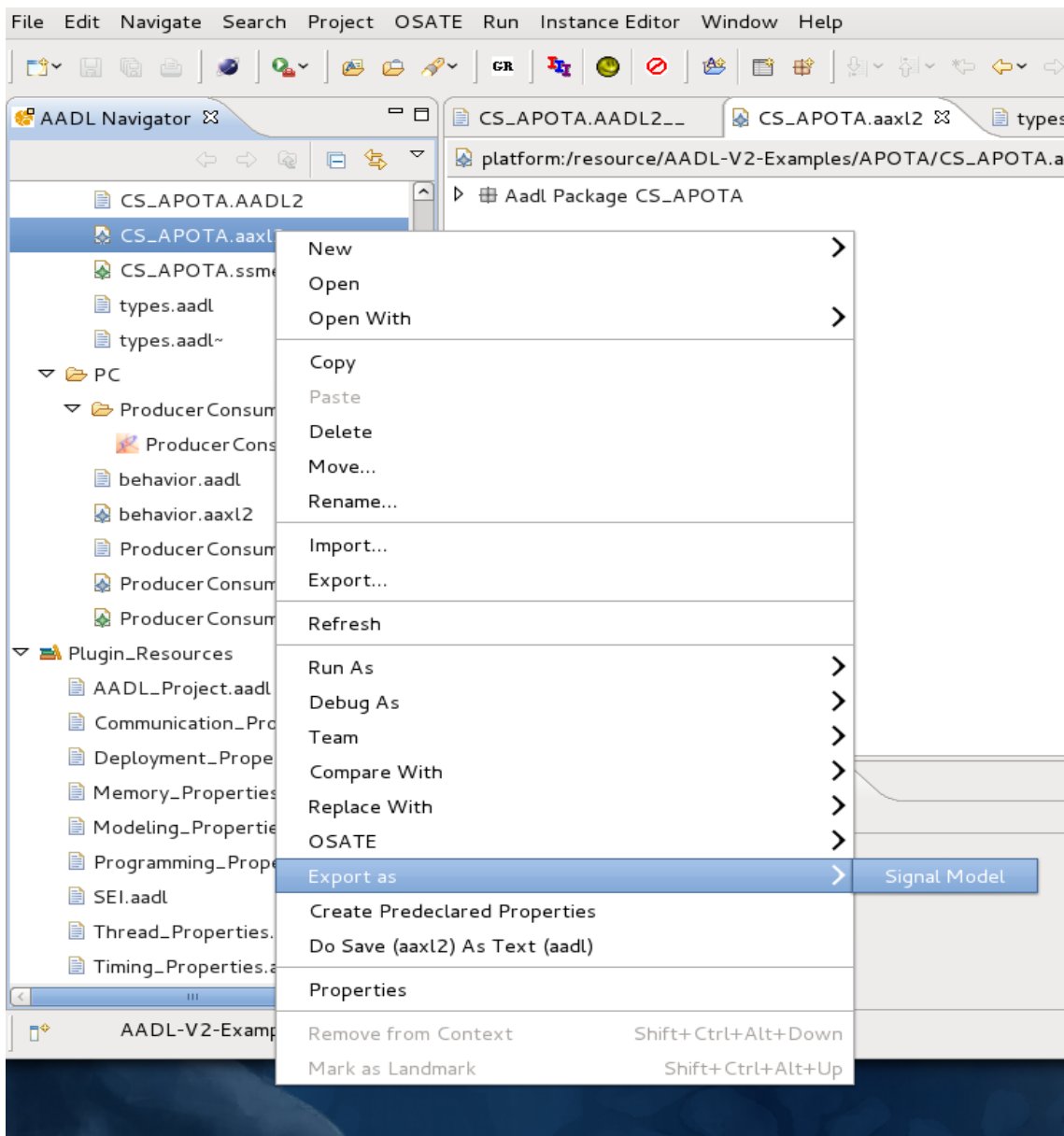> ➢ **Right click** and select "**Export as -> Signal model**"

Figure 3: Producing the ssme file

2 Access to the Signal ToolBox functionalities

The Figure 4 gives the a global view of the access to the polychrony services from a ssme file. For more information on how to work with a ssme file, consult the <u>SSME User Guide</u>.
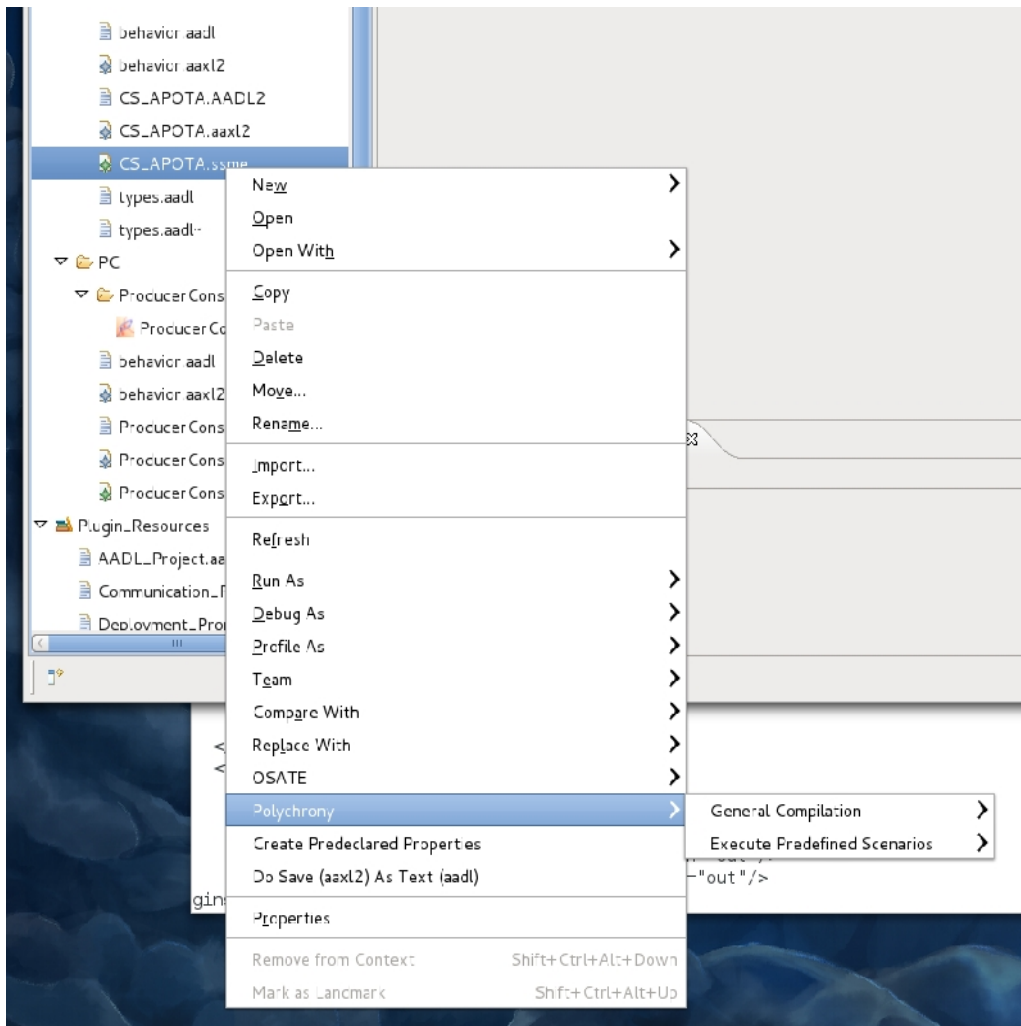

Figure 4: Access to the Polychrony functionalities

3 About the AADL-SIGNAL translation

incomplete

The user can consult the following documents to have information about the translation:

> ➢ <u>The AADL to SIGNAL translation</u>
> ➢ *The publications...*

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