

Agent-based computational economics

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Software implementation

Overview

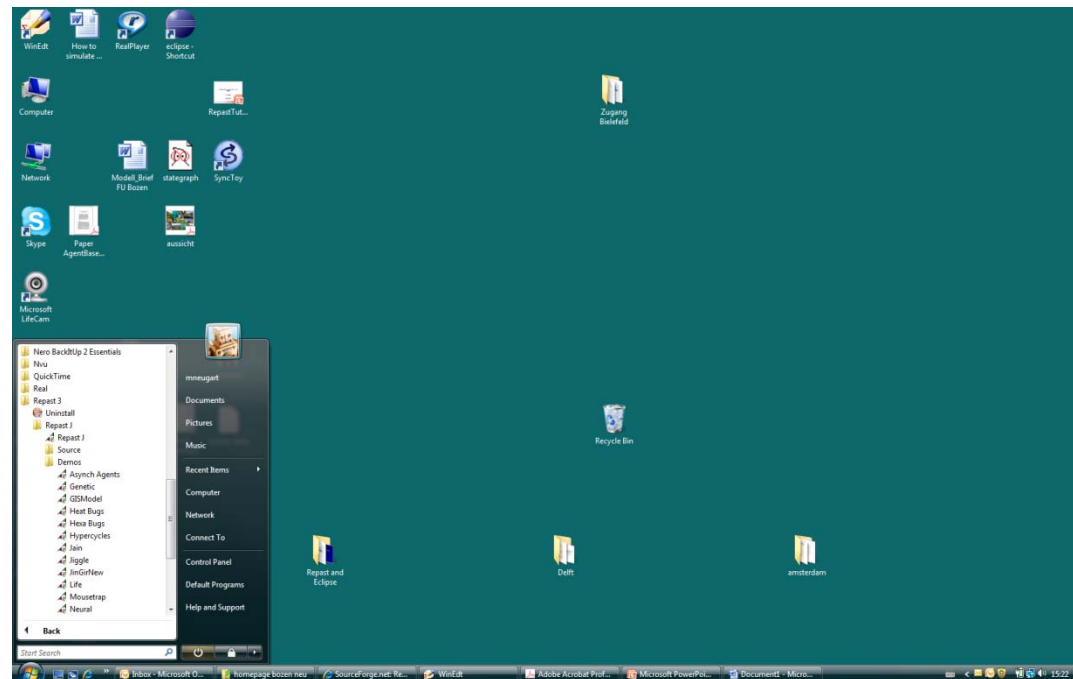
- These slides are thought to help you installing the software which you need for the course.
- We need three software packages:
 - If you do not yet have Java installed on your machine go to <http://java.com/de/download/manual.jsp> and follow the instructions.
 - We will use Eclipse as a development tool. As the previous piece of software this does not need to be purchased. Go to <http://www.eclipse.org/> hit the Download button and choose Eclipse Classic 3.4.1 as the version to be downloaded.

Overview

- Finally you need to install RePast. Go to http://repast.sourceforge.net/repast_3/index.html and choose the Download link on the left hand side. Then select Repast J. On the next site choose the Repast 3.1 software compatible with your machine. Follow the recommended installation process.

Stand alone RePast

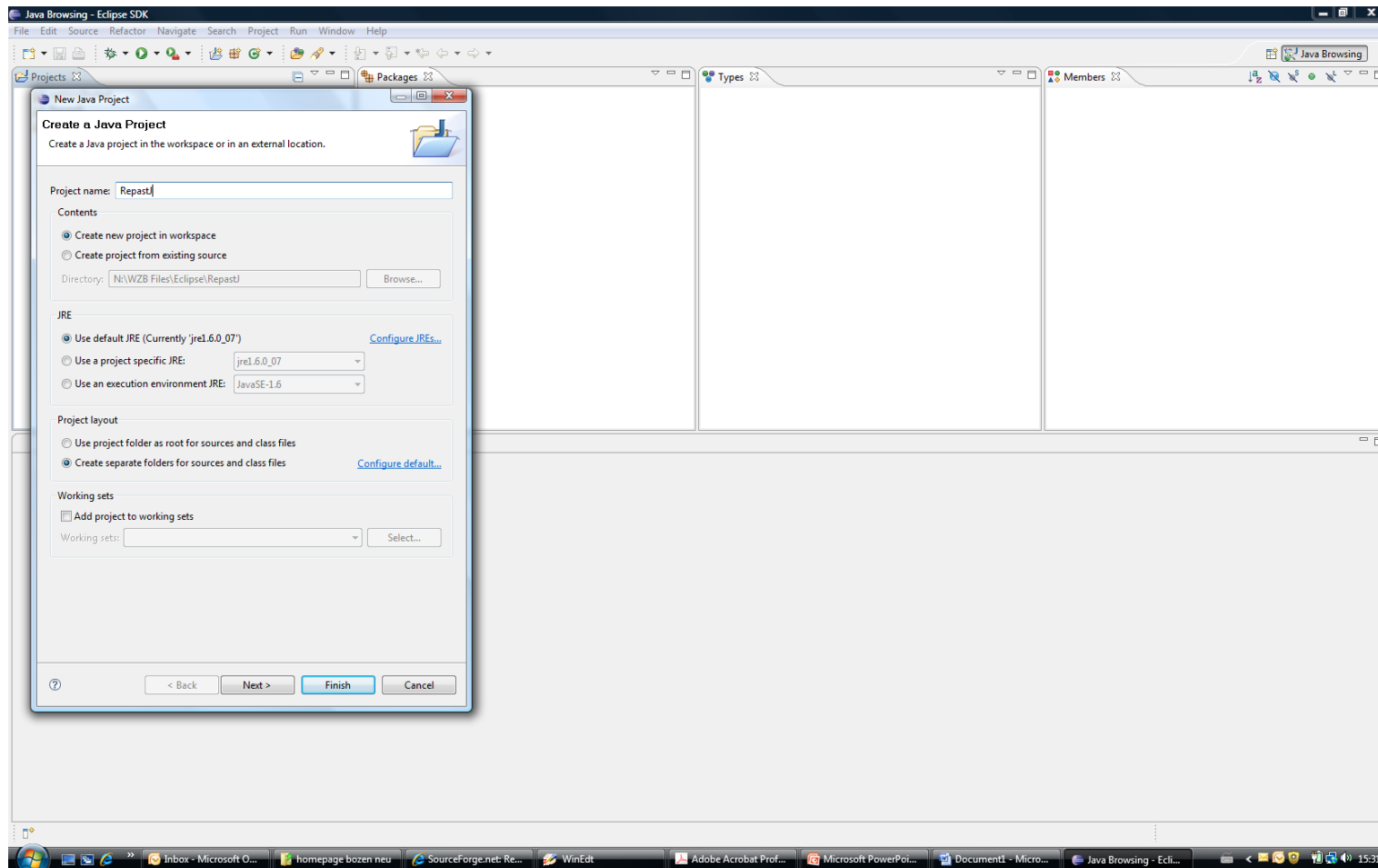
- Once you installed all this software you may run the examples using your Window's main menu:



How to create a Repast project in Eclipse

- Open Eclipse click **File** followed by **New** and then **Java Project**

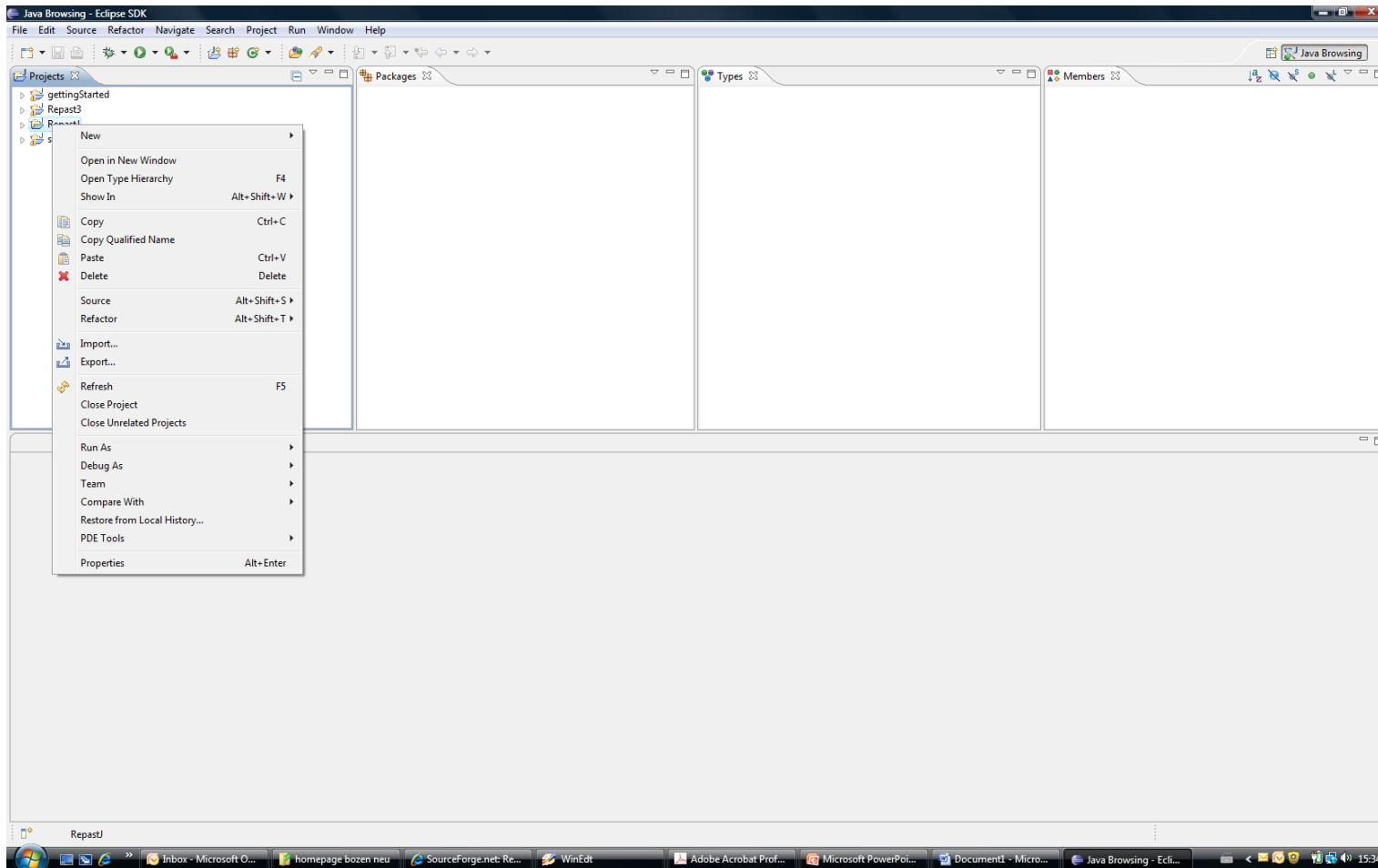
How to create a Repast project in Eclipse



How to create a Repast project in Eclipse

- Give your project a name such as RepastJ and click **Finish**.
- The RepastJ project will appear on the package explorer on the left hand side.
- As the next step you have to connect the RePastJ project with the Repast libraries. Right click on the RepastJ project in the package explorer and you will see what is on the next slide.
- Select **Import**

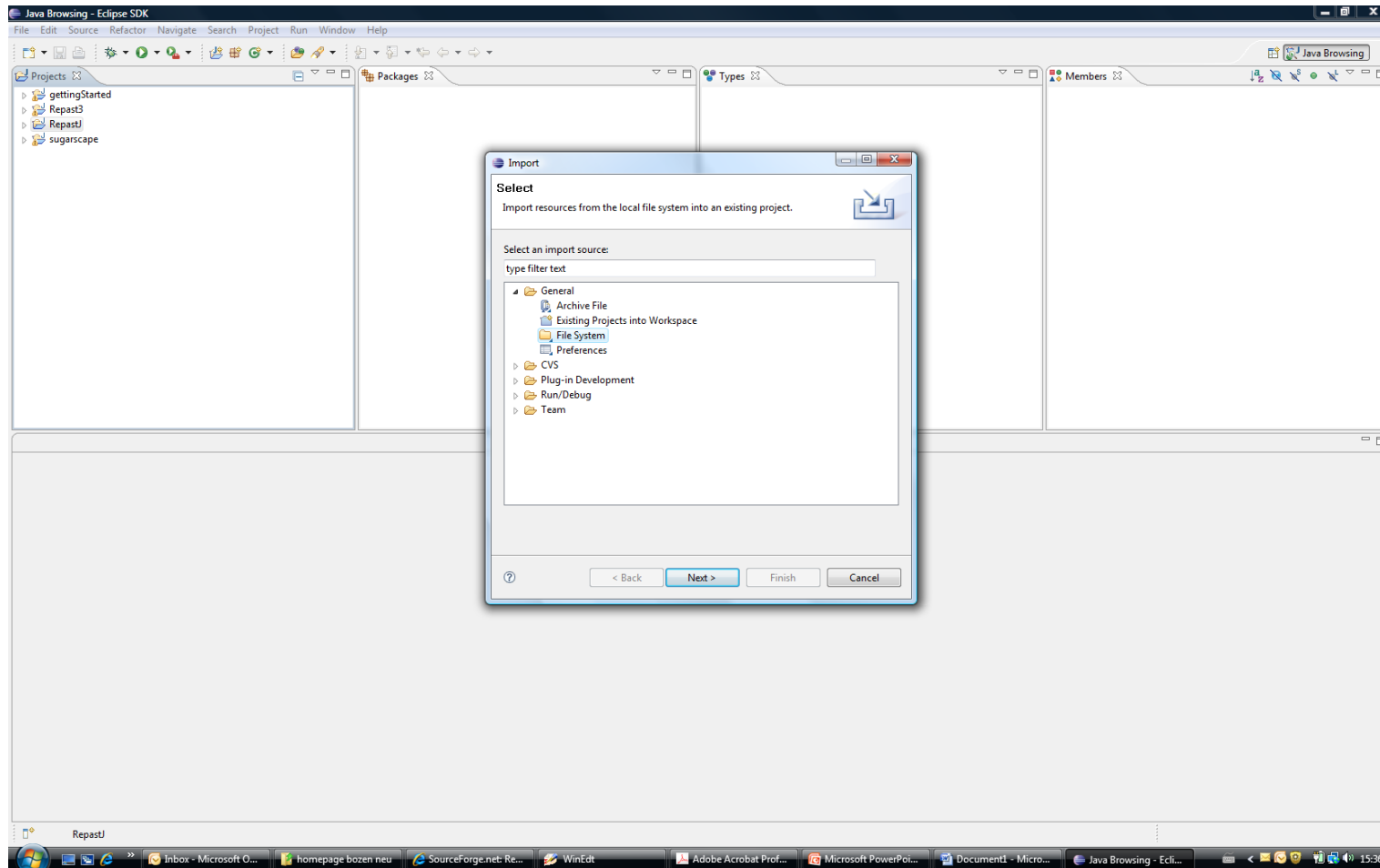
How to create a Repast project in Eclipse



How to create a Repast project in Eclipse

- Select **File System**

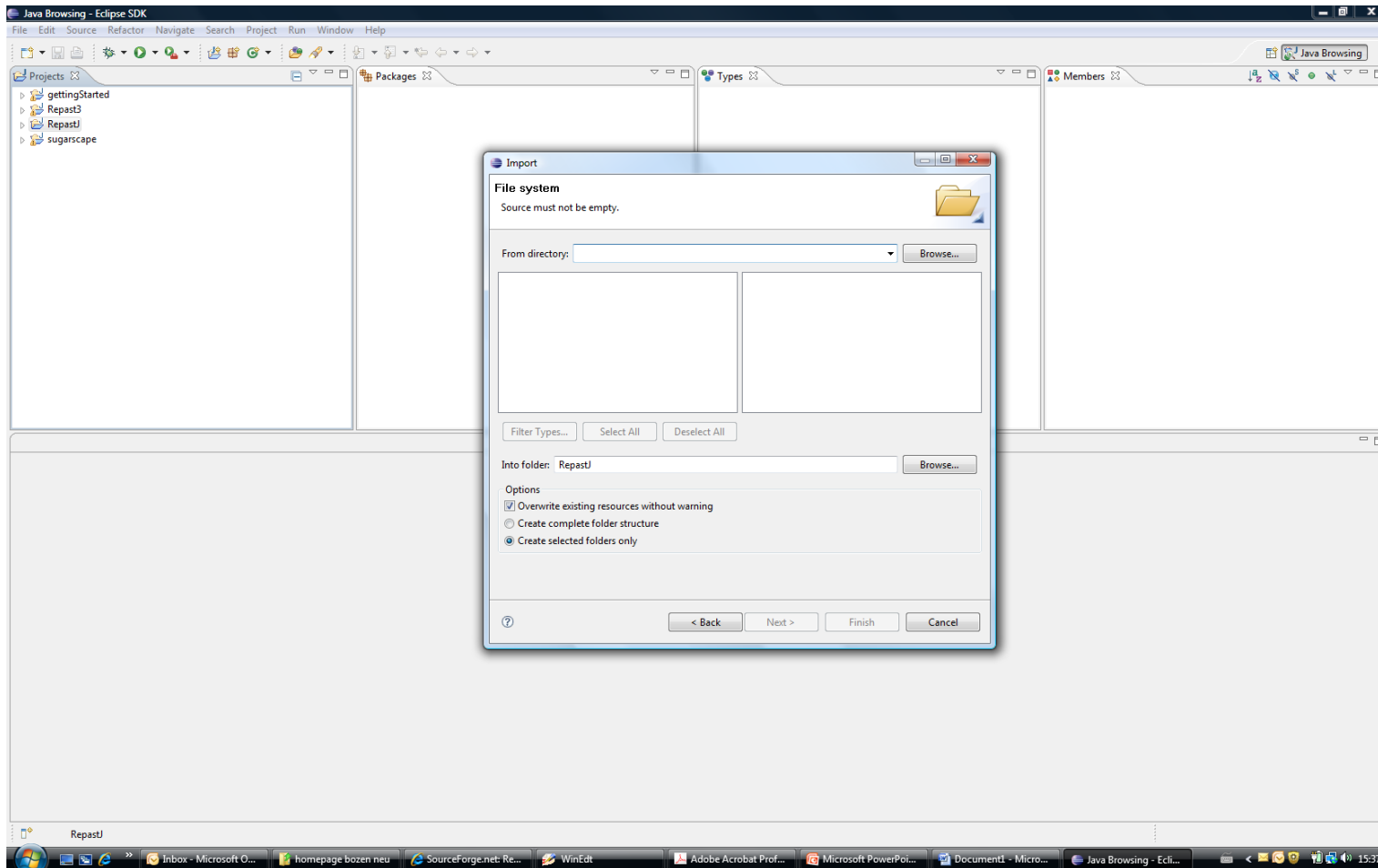
How to create a Repast project in Eclipse



How to create a Repast project in Eclipse

- From the following window choose **Browse**

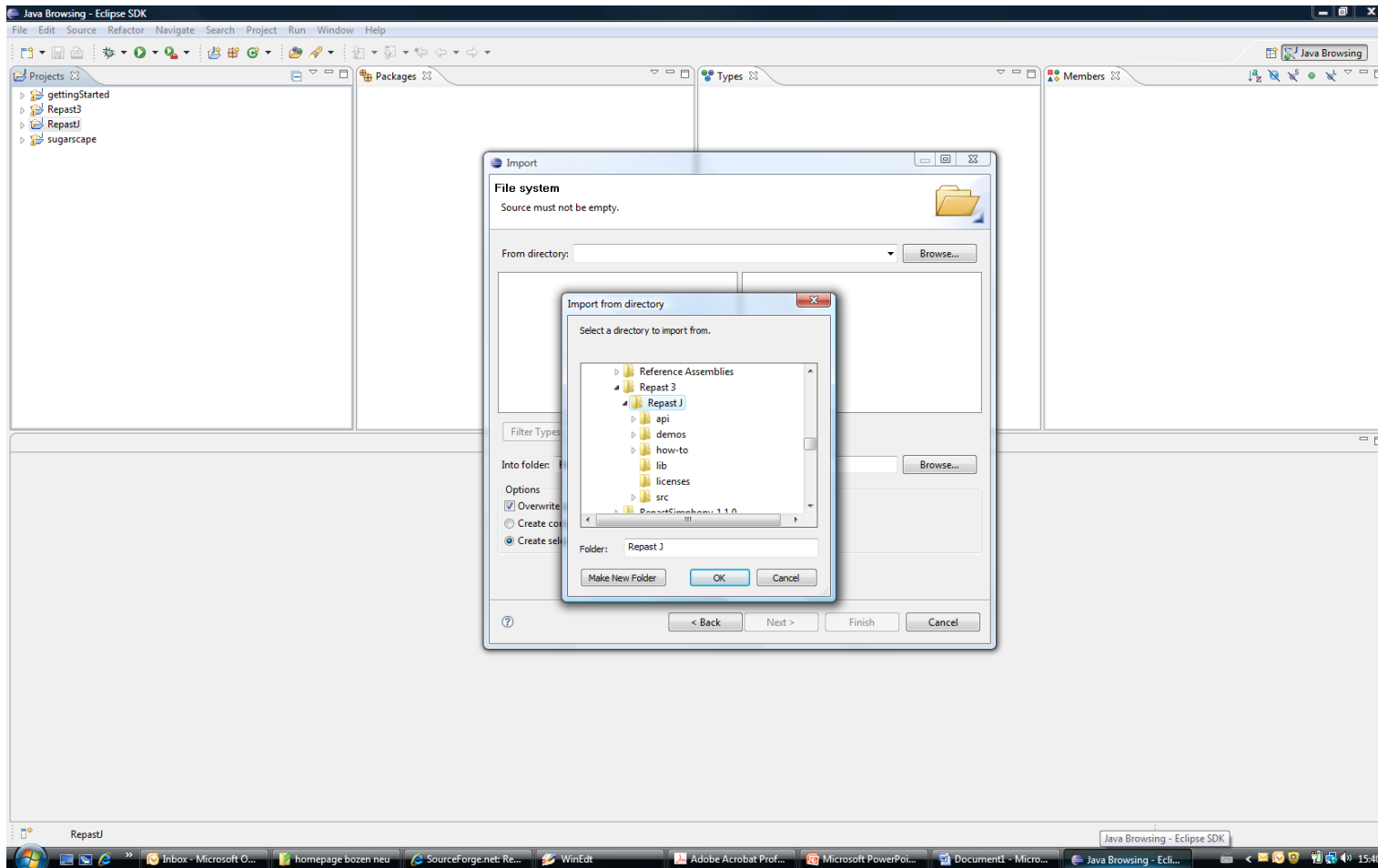
How to create a Repast project in Eclipse



How to create a Repast project in Eclipse

- Browse to the place where your RePast files are stored. Typically this is somewhere in the c: directory.
- Select the folder and click **OK**.

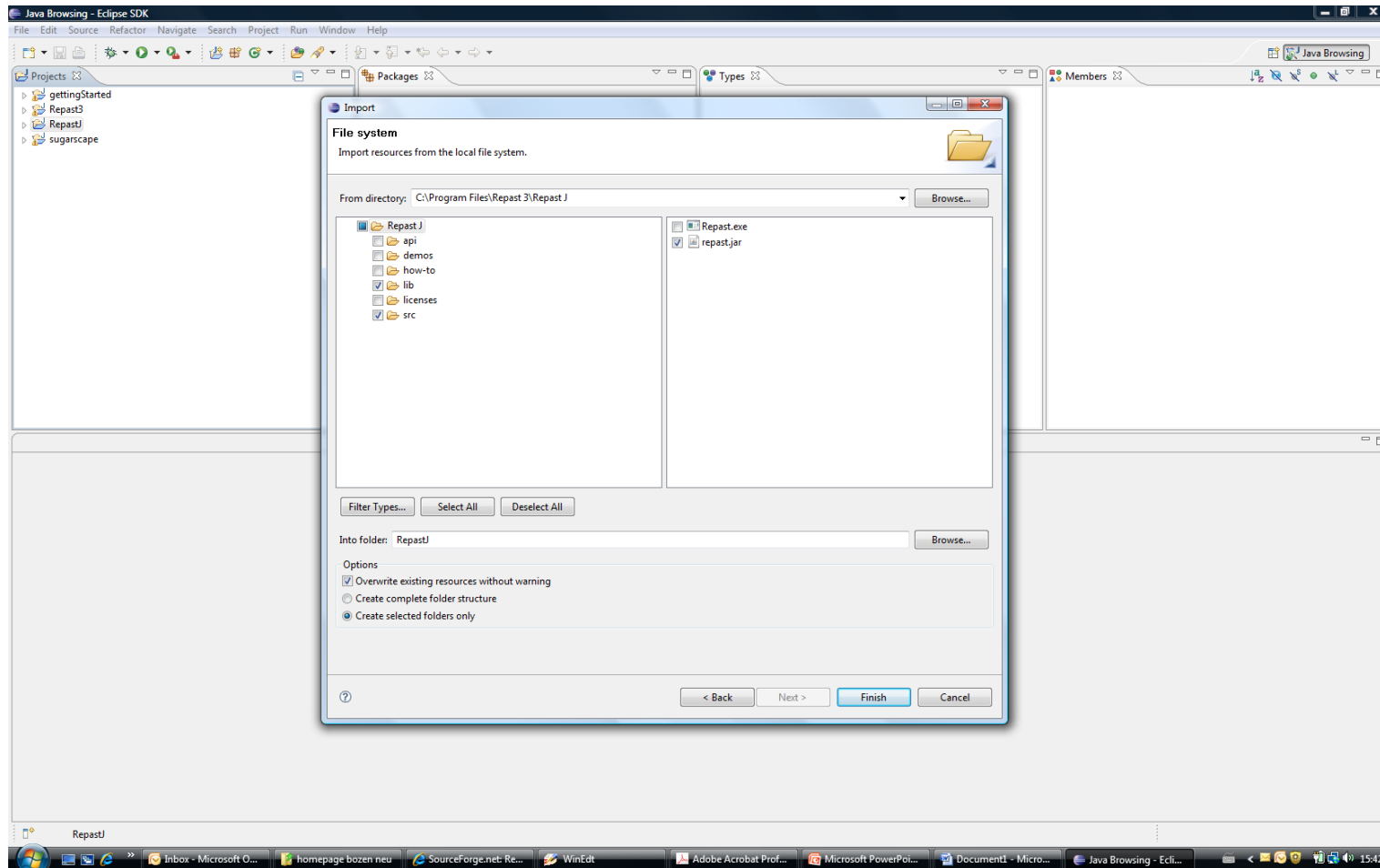
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How to create a Repast project in Eclipse

- Click the components as shown below and **Finish**.

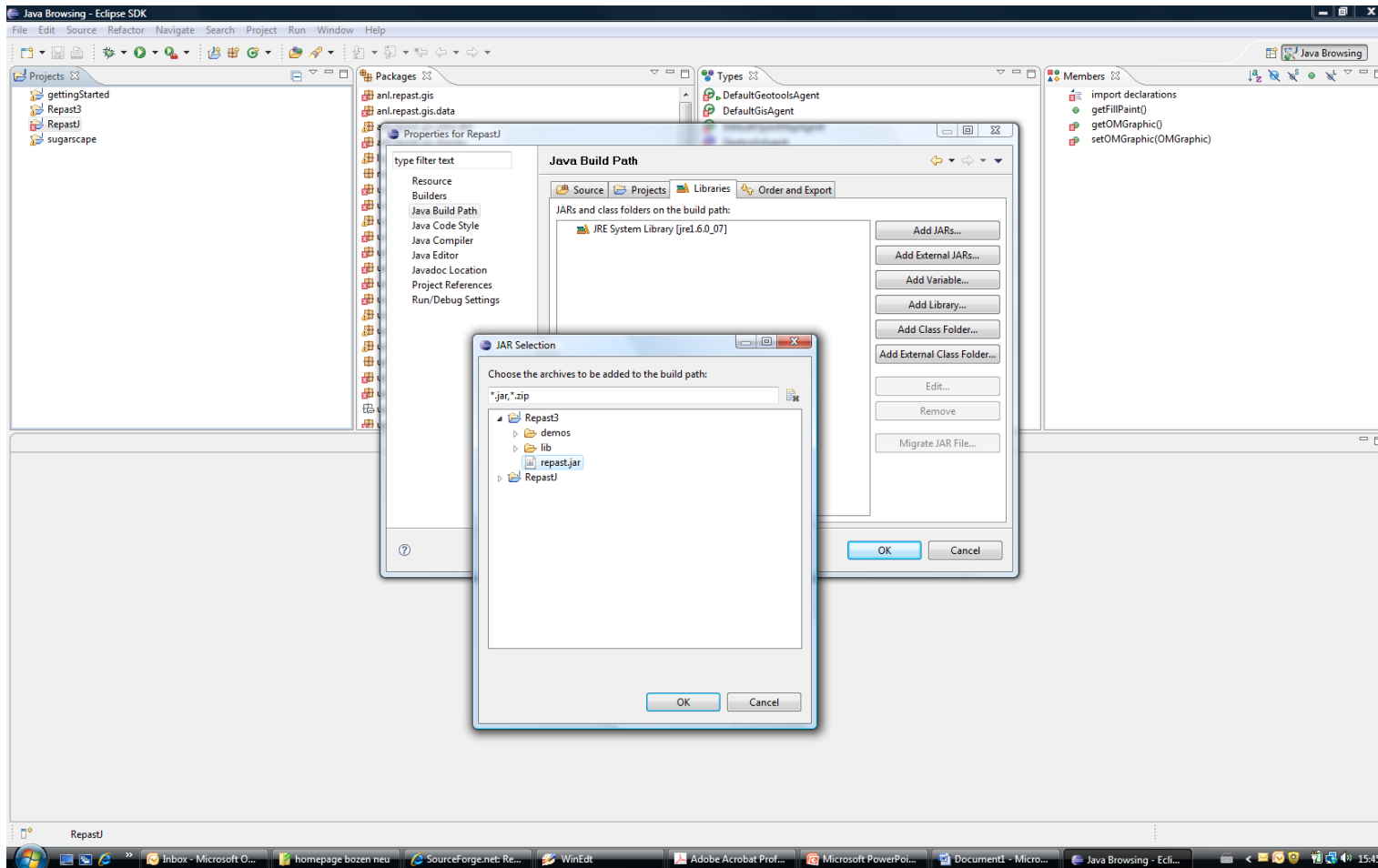
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How to create a Repast project in Eclipse

- In the package folder on the left hand side right click RepastJ and select **Properties**, select **Java Build Path, Library** and **Add Jar**.
- Choose repast.jar and click **OK**.

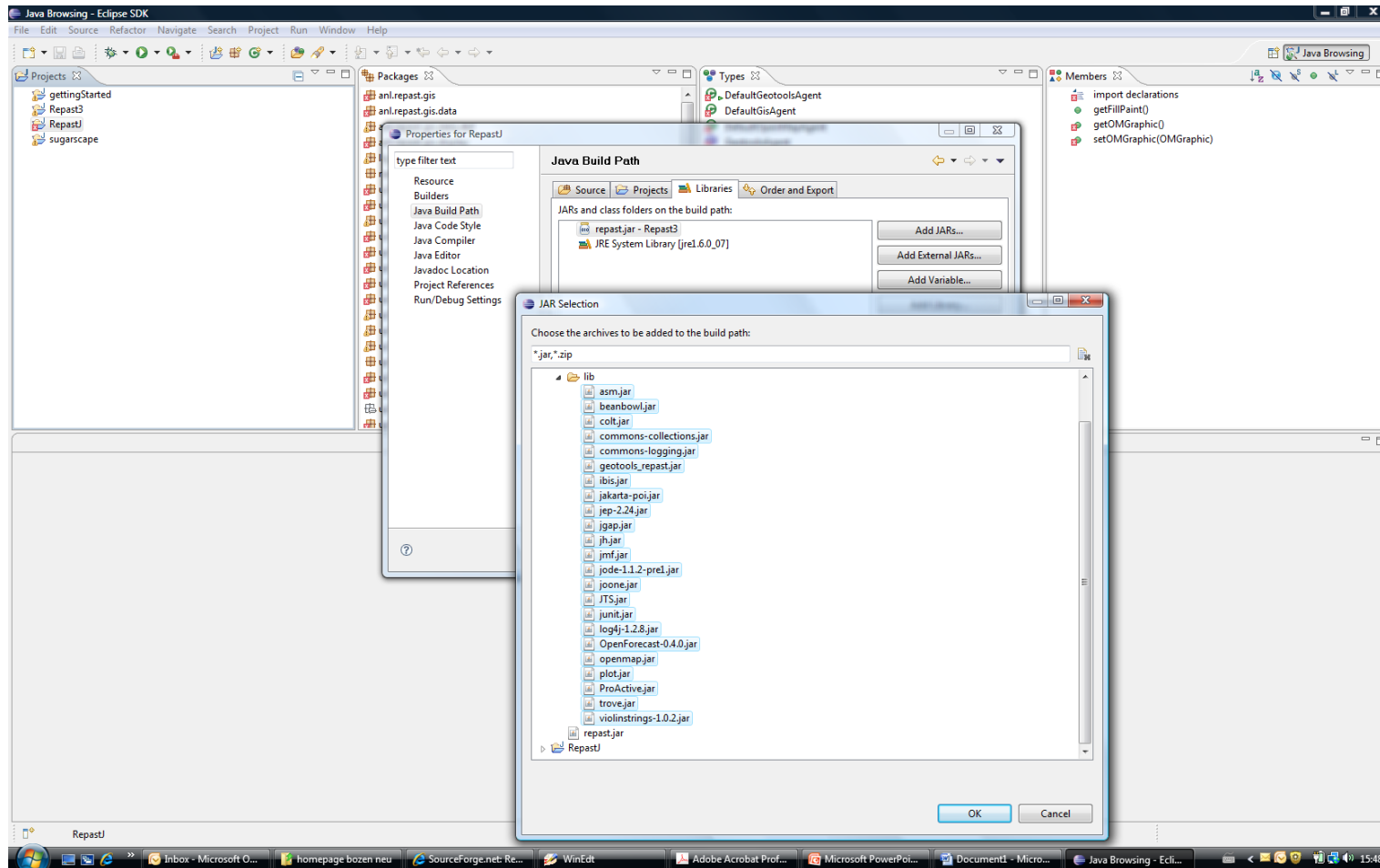
How to create a Repast project in Eclipse



How to create a Repast project in Eclipse

- Click **Add Jar** again and select all files under lib, and click **OK** again.

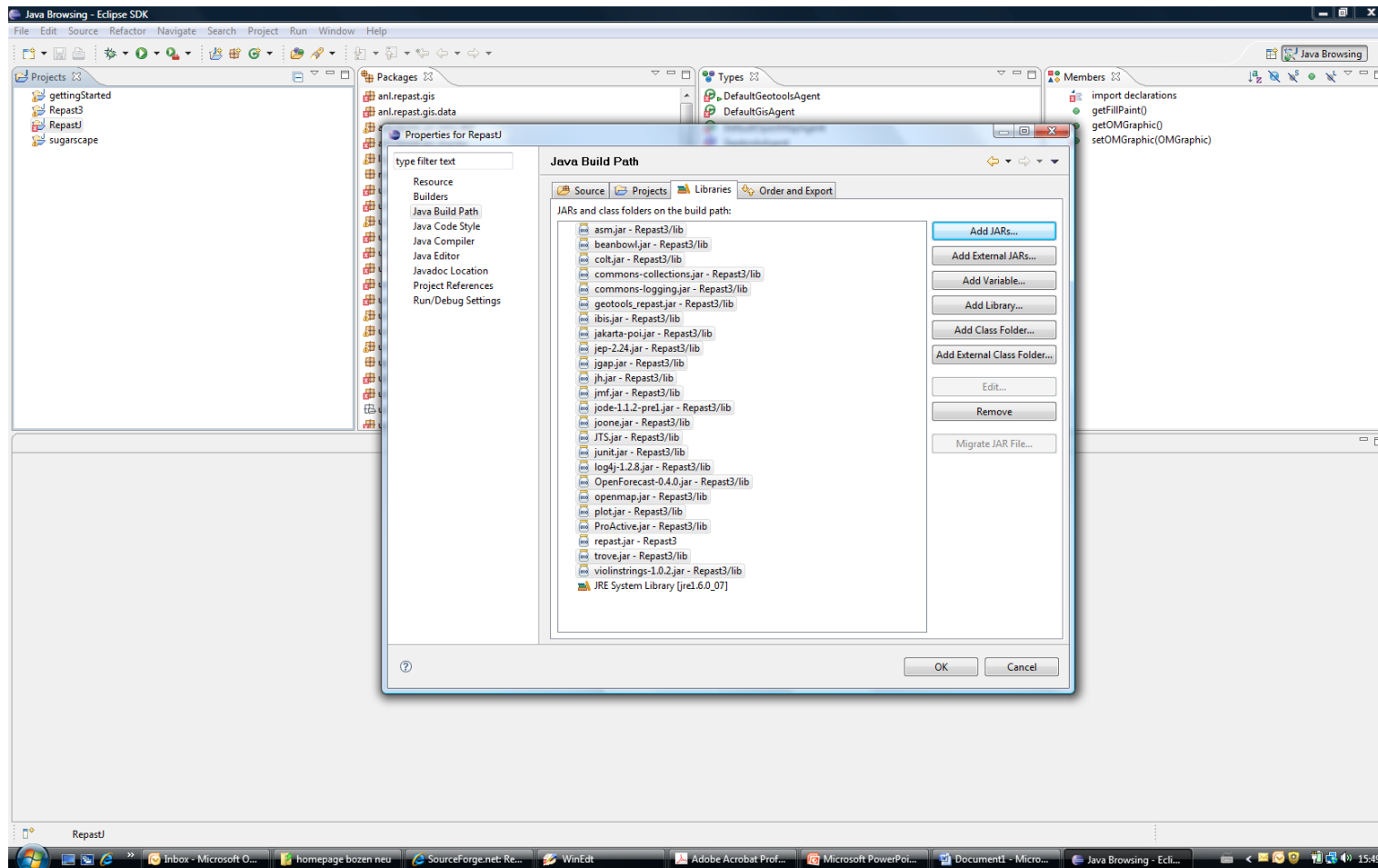
How to create a Repast project in Eclipse



How to create a Repast project in Eclipse

- This is how it will look like:

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How to create a Repast project in Eclipse

This should be it.