

*** SYSTEM REQUIREMENTS ***

RSim requires the Java Runtime Environment 1.5.0 or higher and at least 1Gb of RAM memory.

Three RSim launch files are provided, for various memory configurations: Small (only 1GB of RAM), Medium (at least 1.5GB of RAM), and Large (at least 2GB of RAM). Using a launch file larger than the computer's available memory may cause RSim to run extremely slowly, or to stop responding altogether. Running RSim for many timesteps or all of the available models will require either the Medium or Large configuration. In particular, note that the "Apply minimum patch size for suitable habitat" option on Step 7 of 10 in RSim requires at least a Medium configuration.

Assuming Java is properly installed (see below), Windows users can launch RSim by double-clicking on RSim-SMALL, RSim-MEDIUM, or RSim-LARGE. Mac OS X or Linux users may launch RSim using the equivalent files in the mac-linux folder.

*** INCLUDED PUBLICATION ***

An overview of RSim is provided in the [RSimOverview.pdf](#) file.

*** INSTALLING JAVA ON YOUR COMPUTER ***

RSim is deployed using Sun Microsystem's Java Web Start software with the Sun Java Runtime Environment (JRE) version 1.5 or above (now called JRE 5.0). Through Java Web Start, standalone Java software applications can be deployed with a single click over the network. Java Web Start ensures the most current version of the application will be deployed and can be operated without the use of an internet browser. Listed below are instructions for installing and using Java Web Start for each available platform. Note that Java Web Start is always included when the JRE 5.0 is installed.

Windows (98 or above only):

In most cases, if you have the JRE 5.0 installed, a single click will start the application. If you attempt to launch the application and are prompted to save a *.JNLP file, then you do not have a JRE installed. If you attempt to launch the application but your JRE fails to do so, then you may need to update your JRE to 5.0. If you do not have the JRE or your current JRE is version 1.4 or below, point your web browser to <http://java.sun.com/javase/downloads/index.jsp> to go to the Sun Java download page, then select the download link for "Java Runtime Environment (JRE) 5.0". You can find more detailed installation instructions at <http://java.sun.com/j2se/1.5.0/jre/install.html>.

Mac (OS 10.4 only):

In most cases, if you have the Sun Java JRE 5.0 installed, a single click will start the application. If you have version 1.3 of the Plug-in, open the Software Update pane of System Preferences and click Update Now. Be sure that Sun Java 1.4 or above is selected. After the installation of the JRE 1.4. Repeat the process and use Software Update to install the Java 2 SE 5.0.

UNIX and Linux:

In most cases, if you have the JRE 5.0 installed, a single click will start the application. If you attempt to launch the application and are prompted to save a *.JNLP file, then you do not have a JRE installed. If you attempt to launch the application but your JRE fails to do so, then you may need to update your JRE to 5.0. If you do not have the JRE or your current JRE is version 1.4 or below, go to the Sun Java download page at <http://java.sun.com/javase/downloads/index.jsp> then select the download link for "Java Runtime Environment (JRE) 5.0". You can find more detailed installation instructions at <http://java.sun.com/j2se/1.5.0/jre/install.html>.