Arduino NetBeans Plugin

This steps shows how to install the plugin at NetBeans 7.3 running on Microsoft Windows.

1) Download the Arduino IDE: http://arduino.cc/en/Main/Software. Unzip the package, for example at c:\programs\arduino-1.0.3

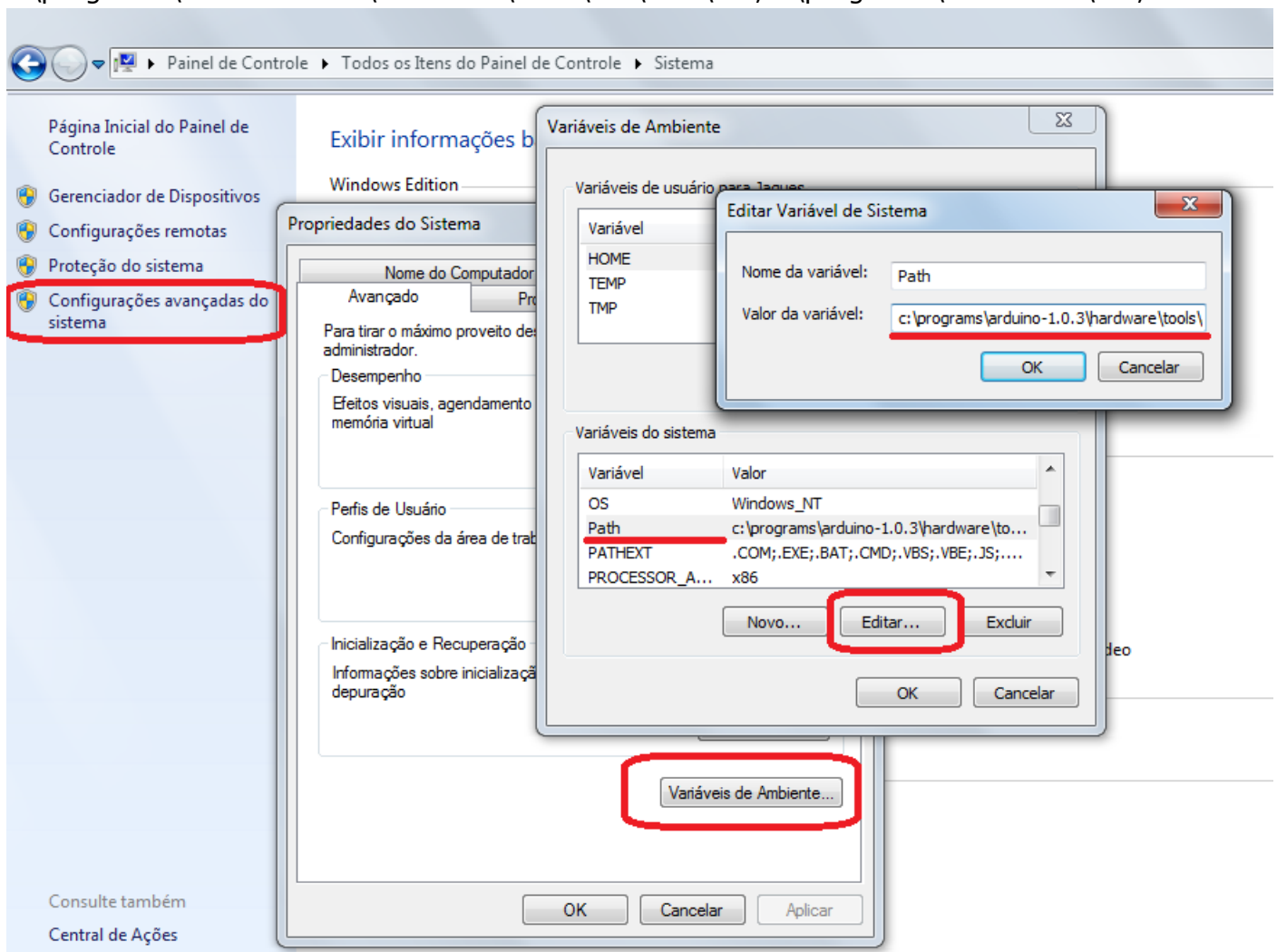2) Download the gnu make for Windows, available at: http://gnuwin32.sourceforge.net/packages/make.htm. Install it for example at c:\programs\GnuWin32
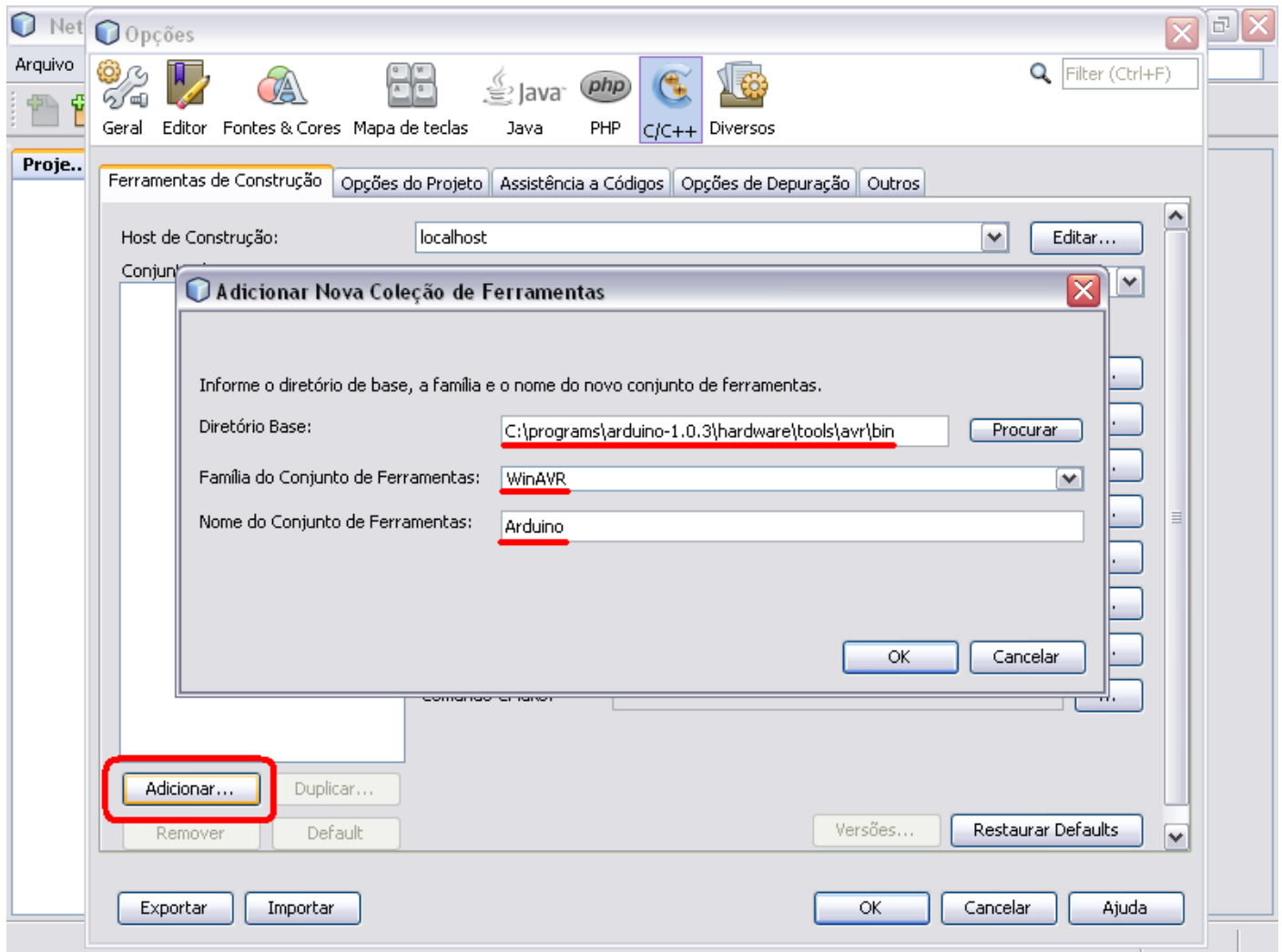ps: I had troubles with the "make" distributed with arduino, so GnuWin32 worked properly.

3) Go to the Control Panel and add these paths below, in the Path system variable. Please, correct if you installed in another directories:
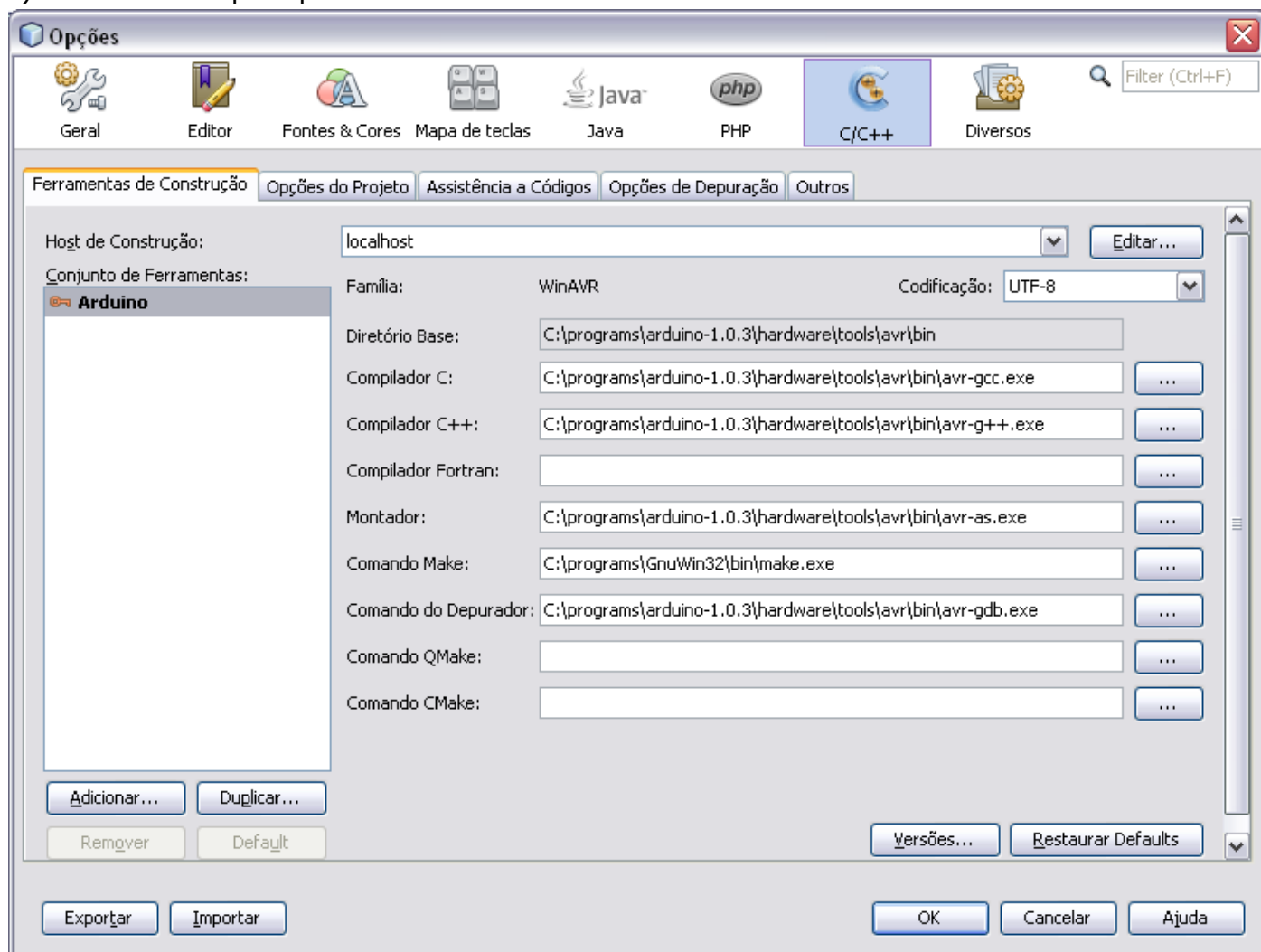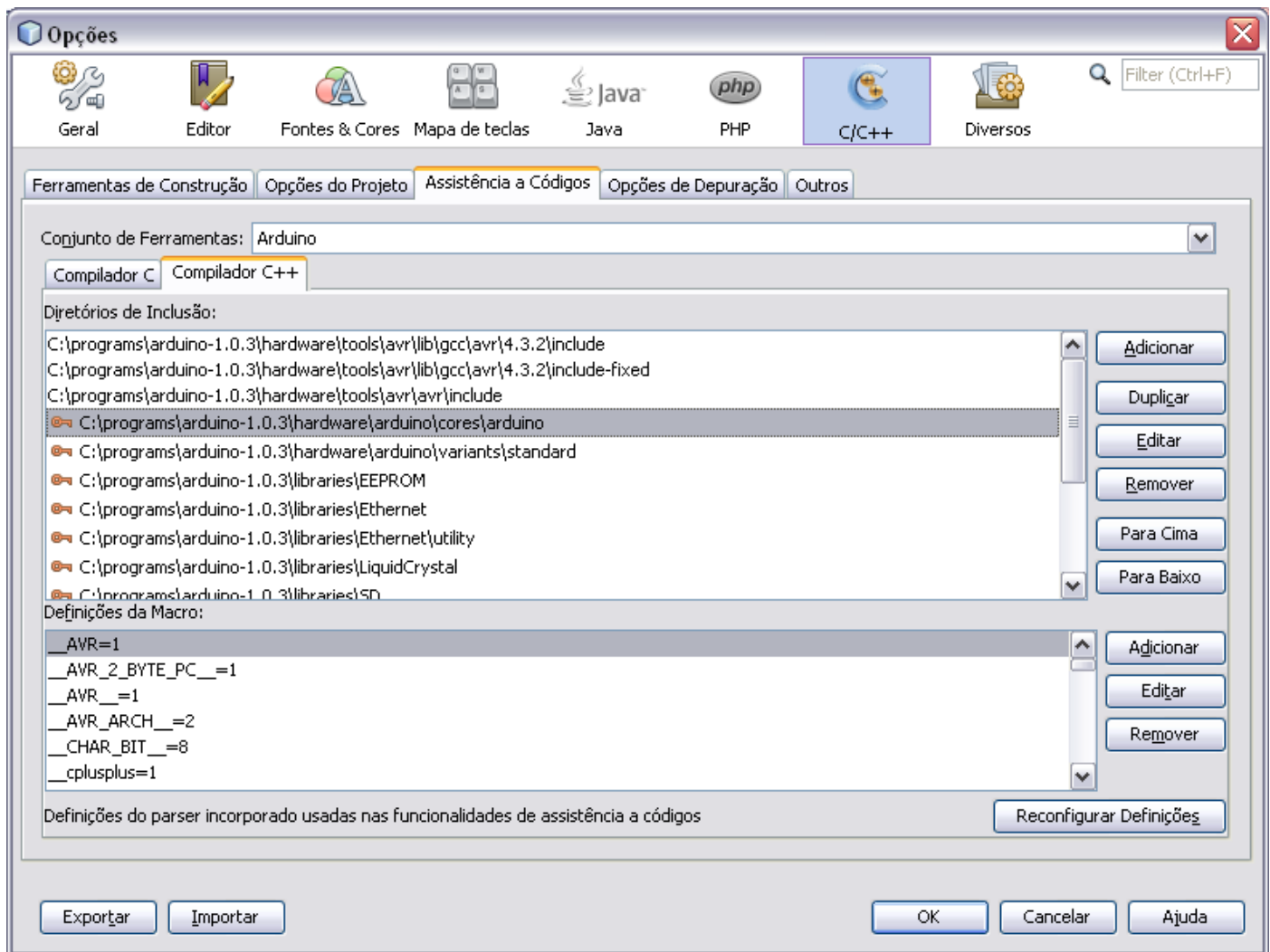c:\programs\arduino-1.0.3\hardware\tools\avr\utils\bin;c:\programs\GnuWin32\bin;

4) Start the NetBeans > menu Tools > Options > C/C++. Click on "Activate" if is the first time you use C/C++. Then, click on Add and inform that:
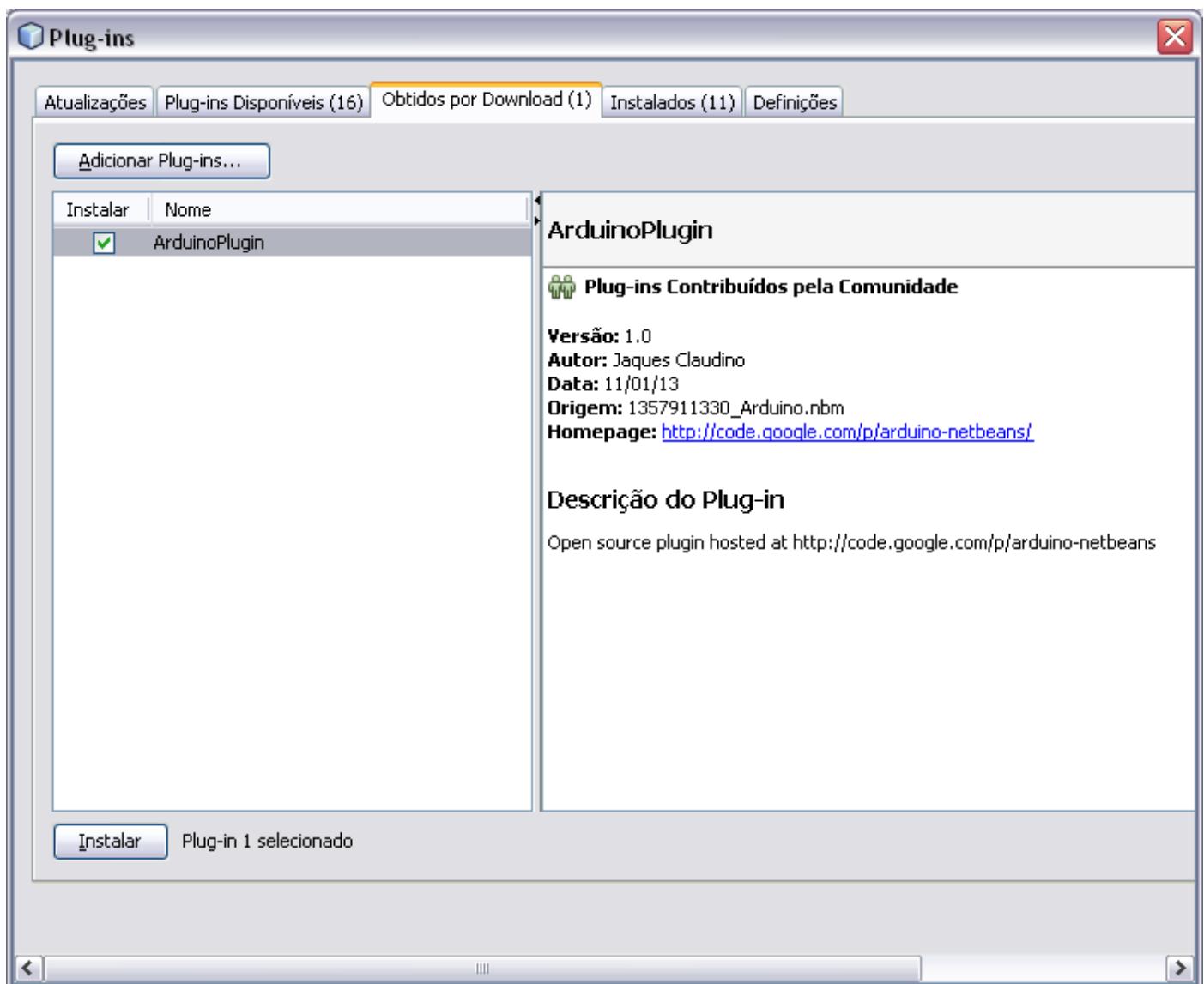
5) Enter the compiler paths:

6) On "Code assistance" tab > C++ Compiler, add the paths of Arduino cores, pins, and libraries:
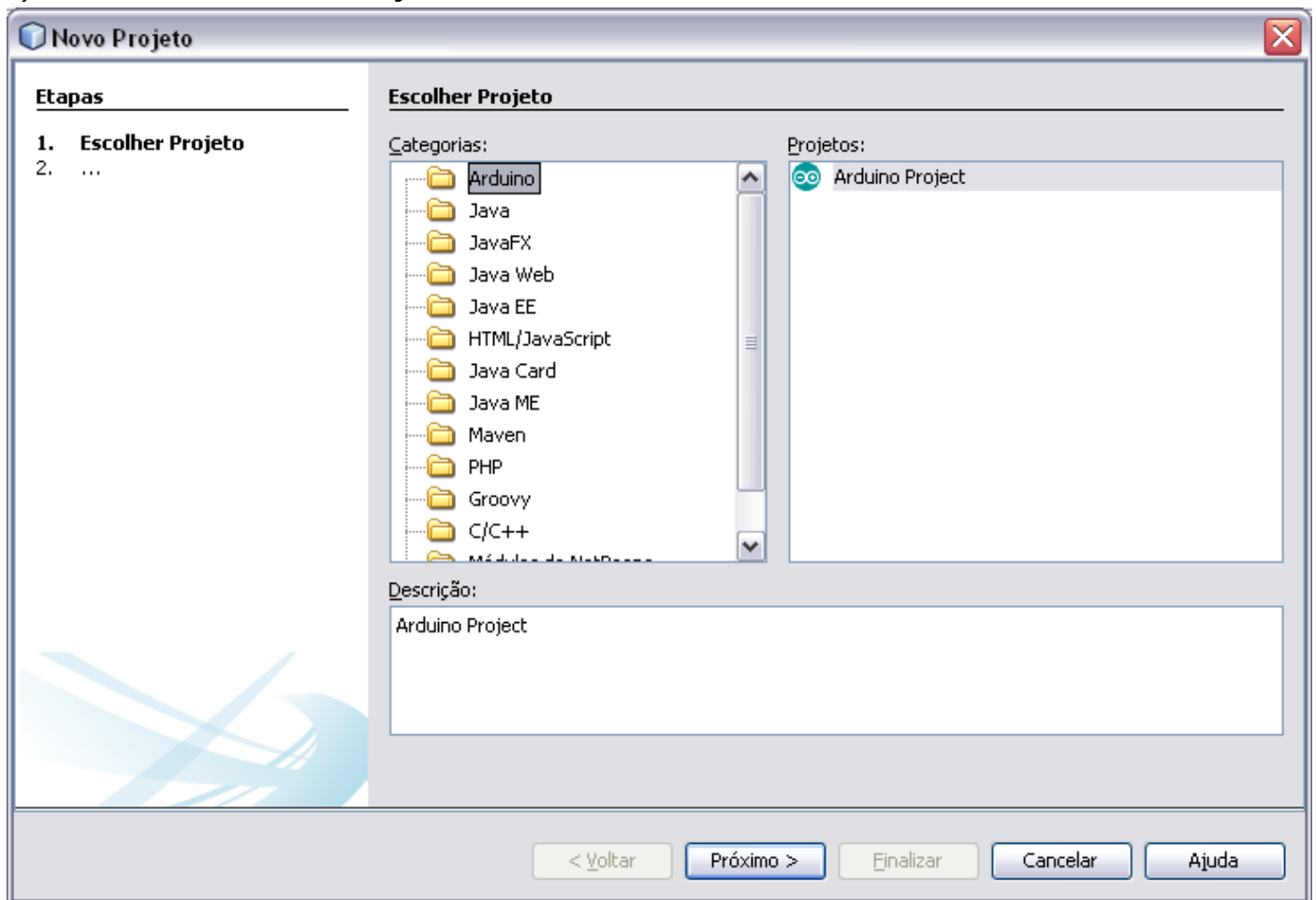

Opções

Geral   Editor   Fontes & Cores   Mapa de teclas   Java   PHP   C/C++   Diversos   Filter (Ctrl+F)

Ferramentas de Construção Opções do Projeto Assistência a Códigos Opções de Depuração Outros

Conjunto de Ferramentas: Arduino

Compilador C   Compilador C++

Diretórios de Inclusão:

C:\programs\arduino-1.0.3\hardware\tools\avr\lib\gcc\avr\4.3.2\include
C:\programs\arduino-1.0.3\hardware\tools\avr\lib\gcc\avr\4.3.2\include-fixed
C:\programs\arduino-1.0.3\hardware\tools\avr\avr\include
C:\programs\arduino-1.0.3\hardware\arduino\cores\arduino
C:\programs\arduino-1.0.3\hardware\arduino\variants\standard
C:\programs\arduino-1.0.3\libraries\EEPROM
C:\programs\arduino-1.0.3\libraries\Ethernet
C:\programs\arduino-1.0.3\libraries\Ethernet\utility
C:\programs\arduino-1.0.3\libraries\LiquidCrystal
C:\programs\arduino-1.0.3\libraries\SD

Adicionar
Duplicar
Editar
Remover
Para Cima
Para Baixo

Definições da Macro:

__AVR=1
__AVR_2_BYTE_PC__=1
__AVR__=1
__AVR_ARCH__=2
__CHAR_BIT__=8
__cplusplus=1

Adicionar
Editar
Remover

Definições do parser incorporado usadas nas funcionalidades de assistência a códigos

Reconfigurar Definições

Exportar   Importar   OK   Cancelar   Ajuda

7) Download the plugin from http://plugins.netbeans.org/plugin/46054/arduino
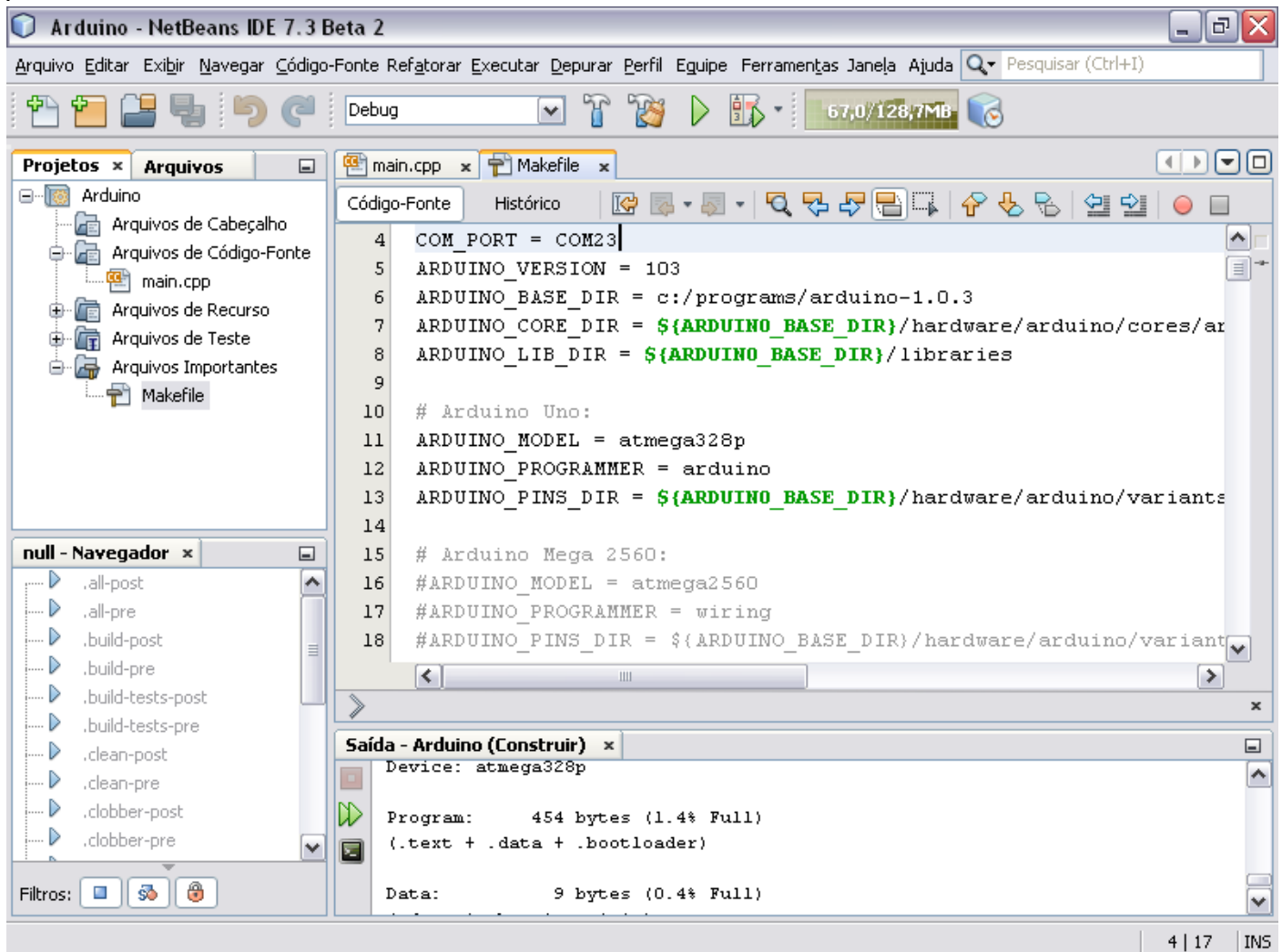
8) Menu Tools > Plug-ins > Tab "Obtained by download" > Click on "Add Plug-ins..." and select the .nbm file downloaded above. Click on "Install":

9) Create a new Arduino Project:

10) Configure the Makefile and enjoy! Run the project to compile and upload the program to your Arduino.

Troubles? Please send me an e-mail: jaques.claudino "at" gmail.com