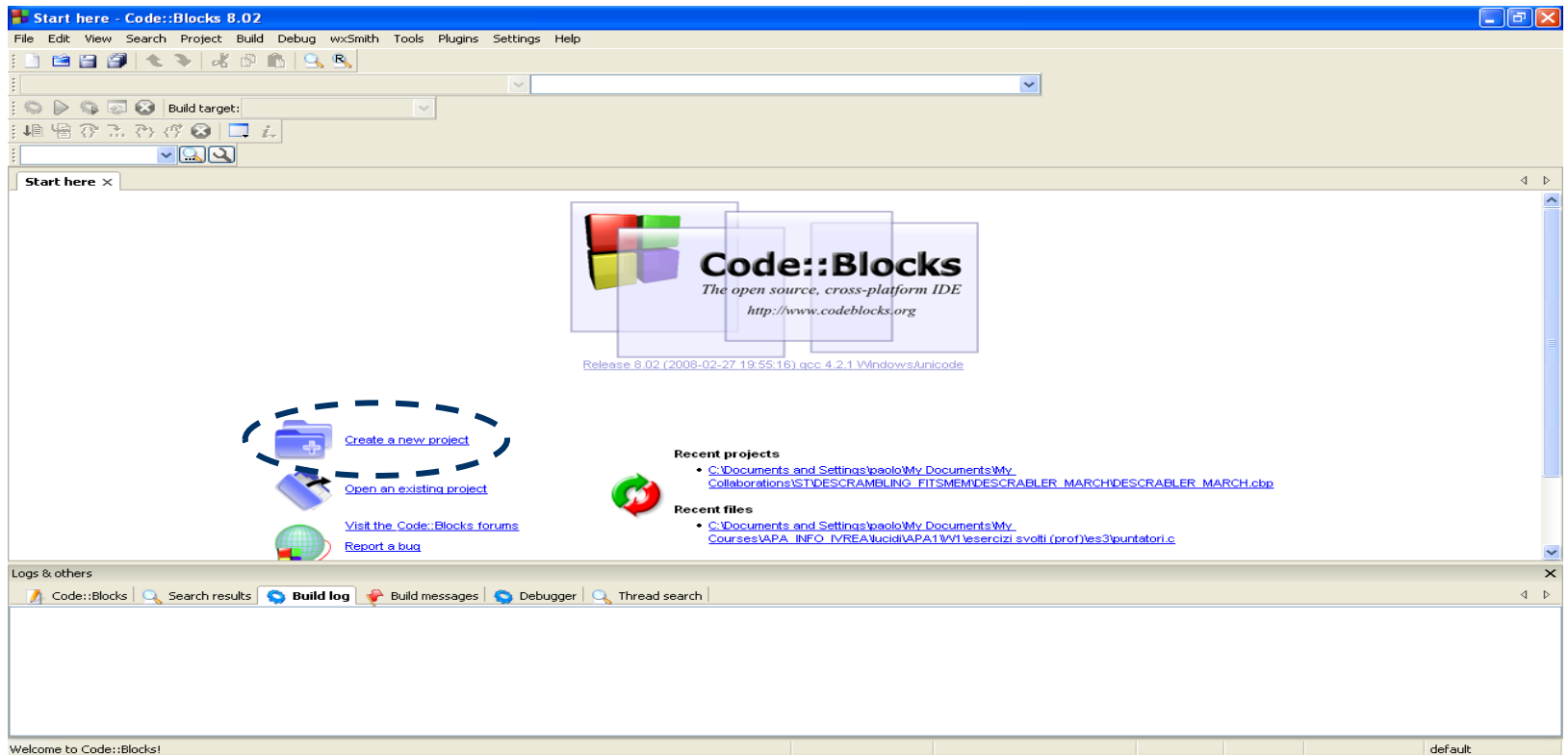




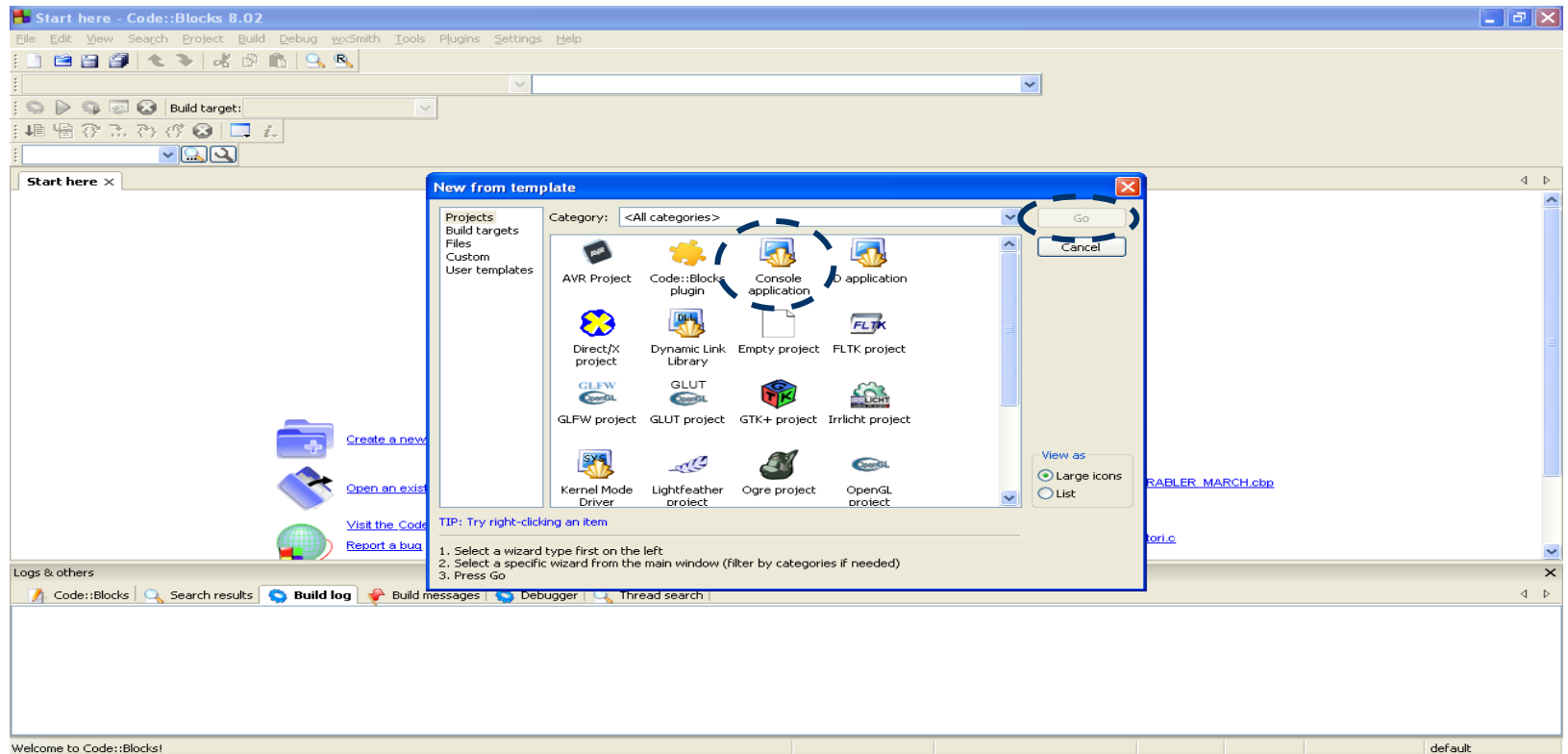
Code::Blocks minimal HowTo

Paolo Bernardi

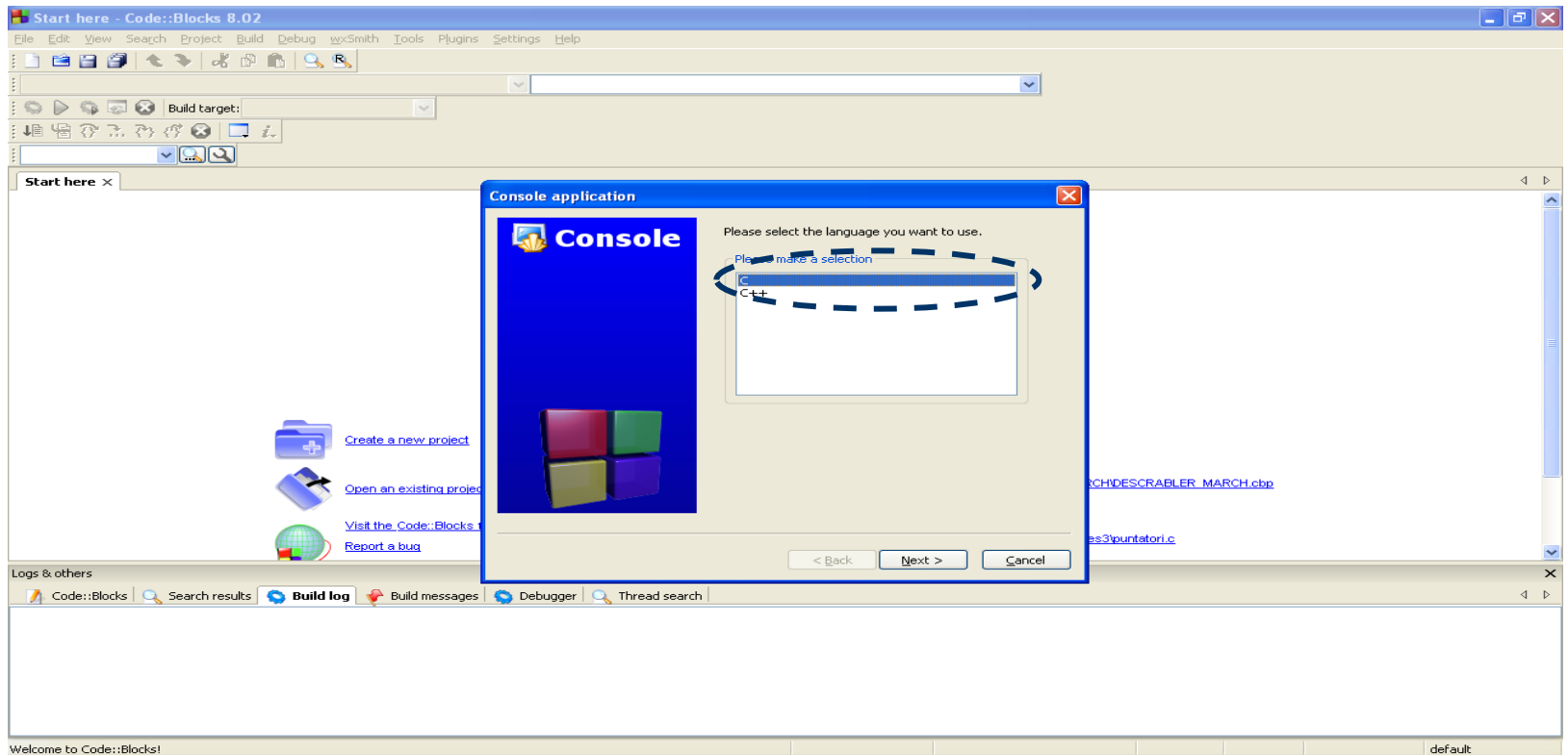
Creazione progetto



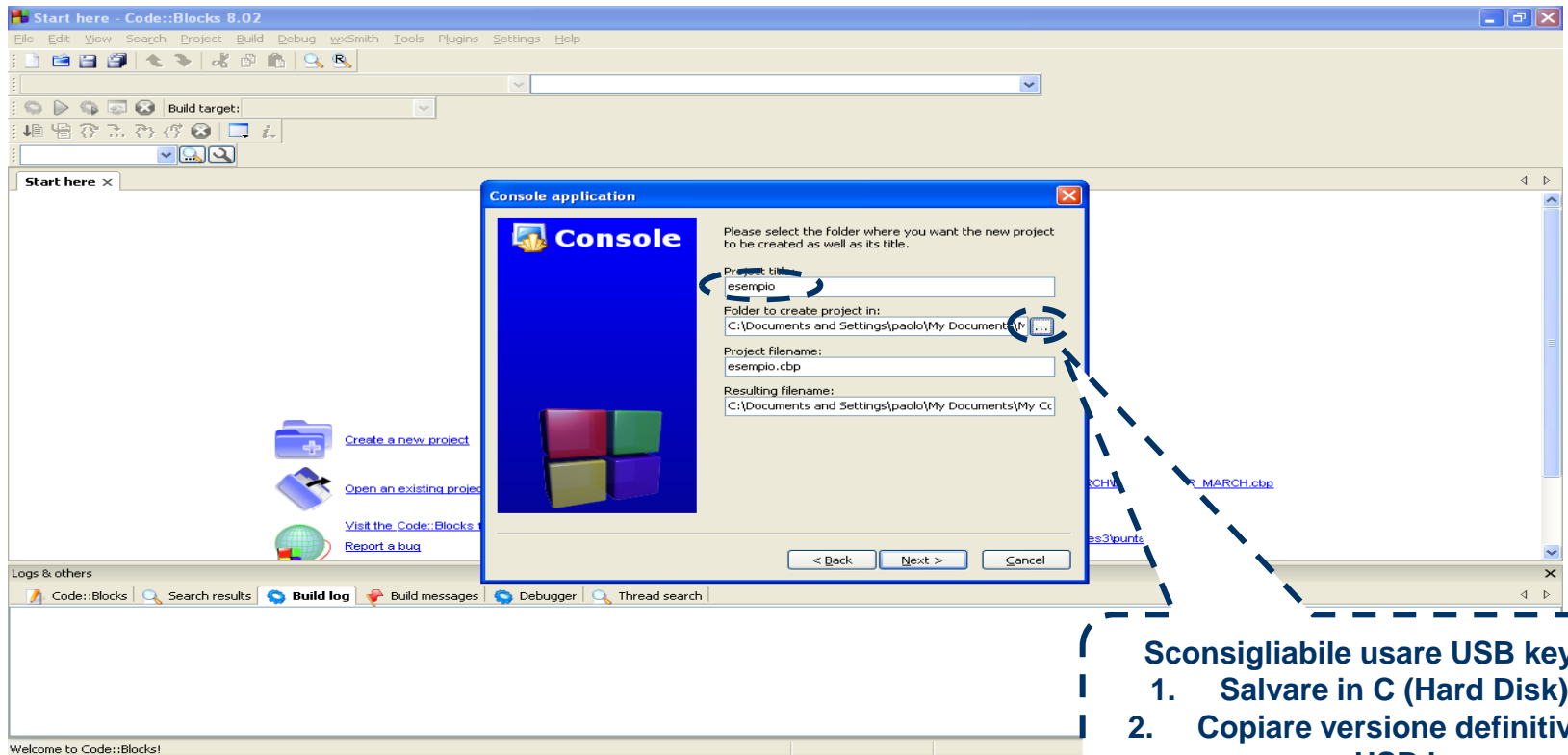
Creazione progetto (cont.)



Creazione progetto (cont.)

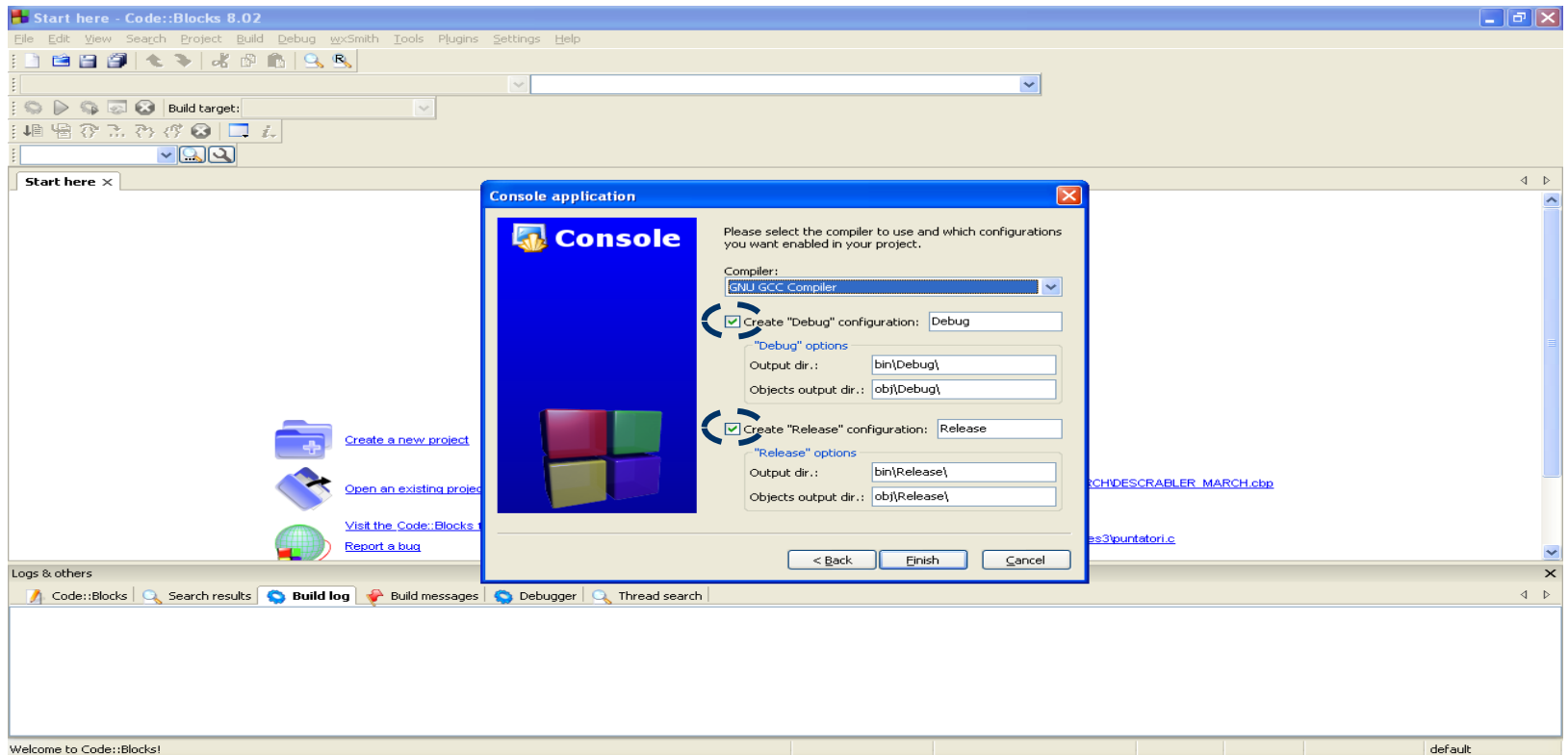


Creazione progetto (cont.)

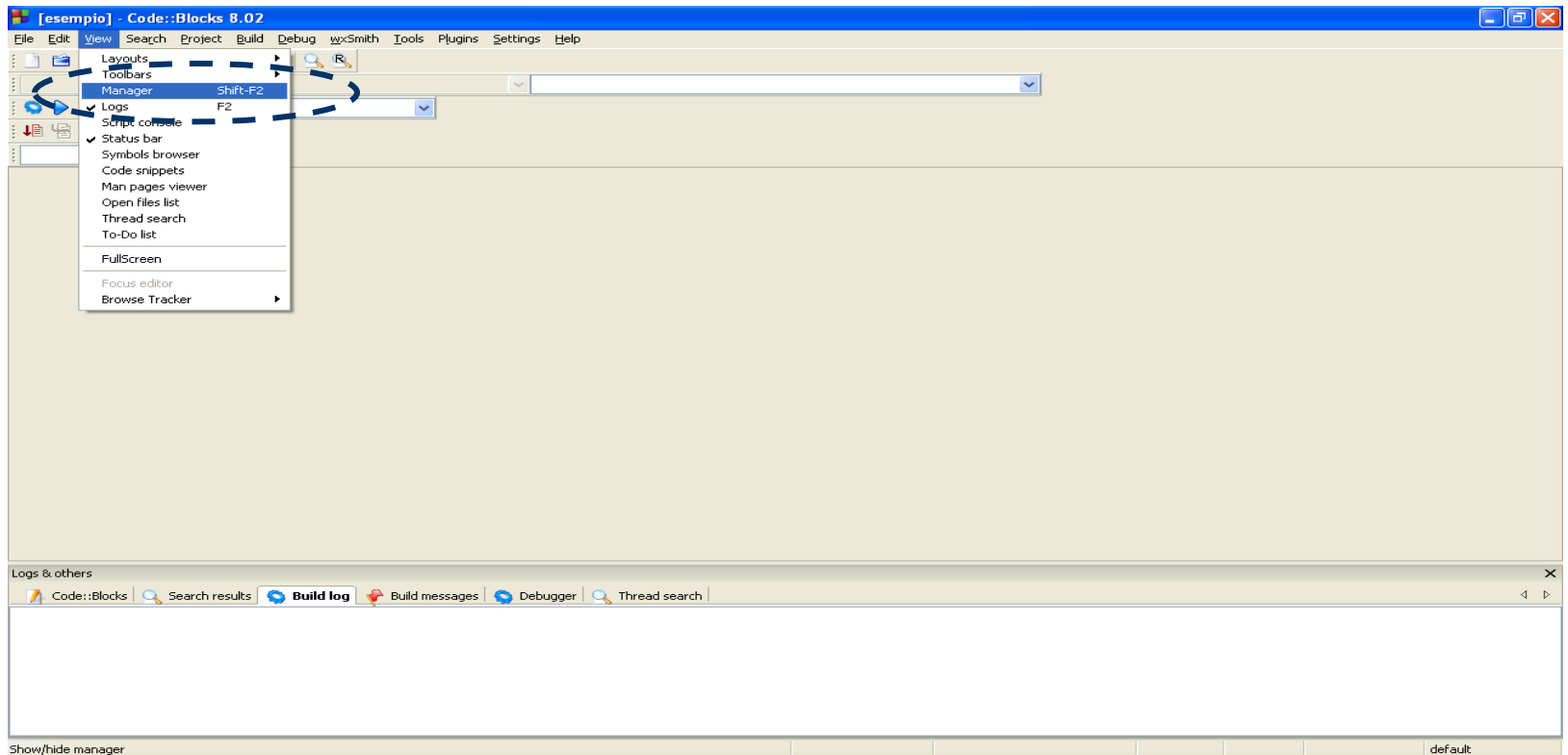


- Sconsigliabile usare USB key**
1. Salvare in C (Hard Disk)
 2. Copiare versione definitiva su USB key

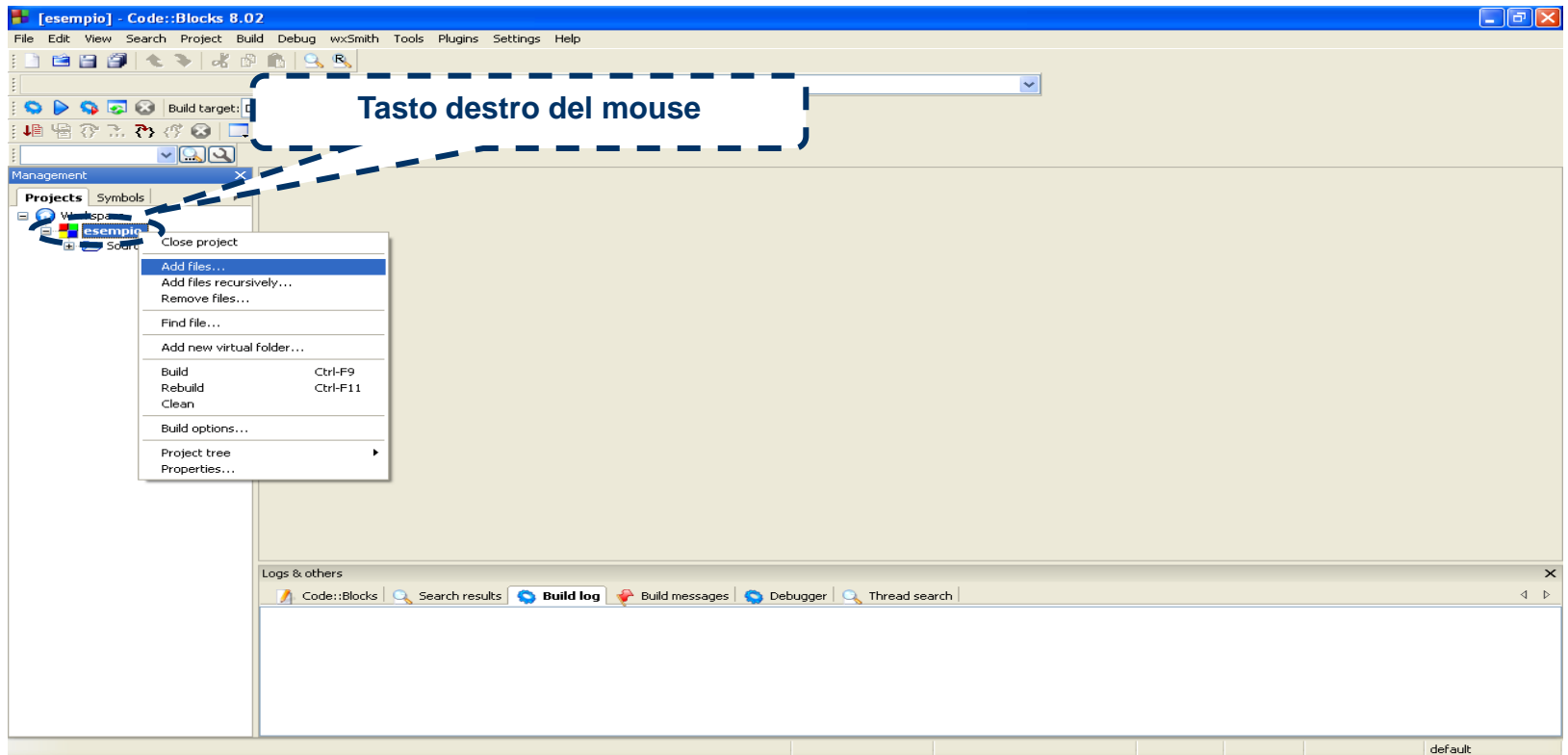
Creazione progetto (cont.)



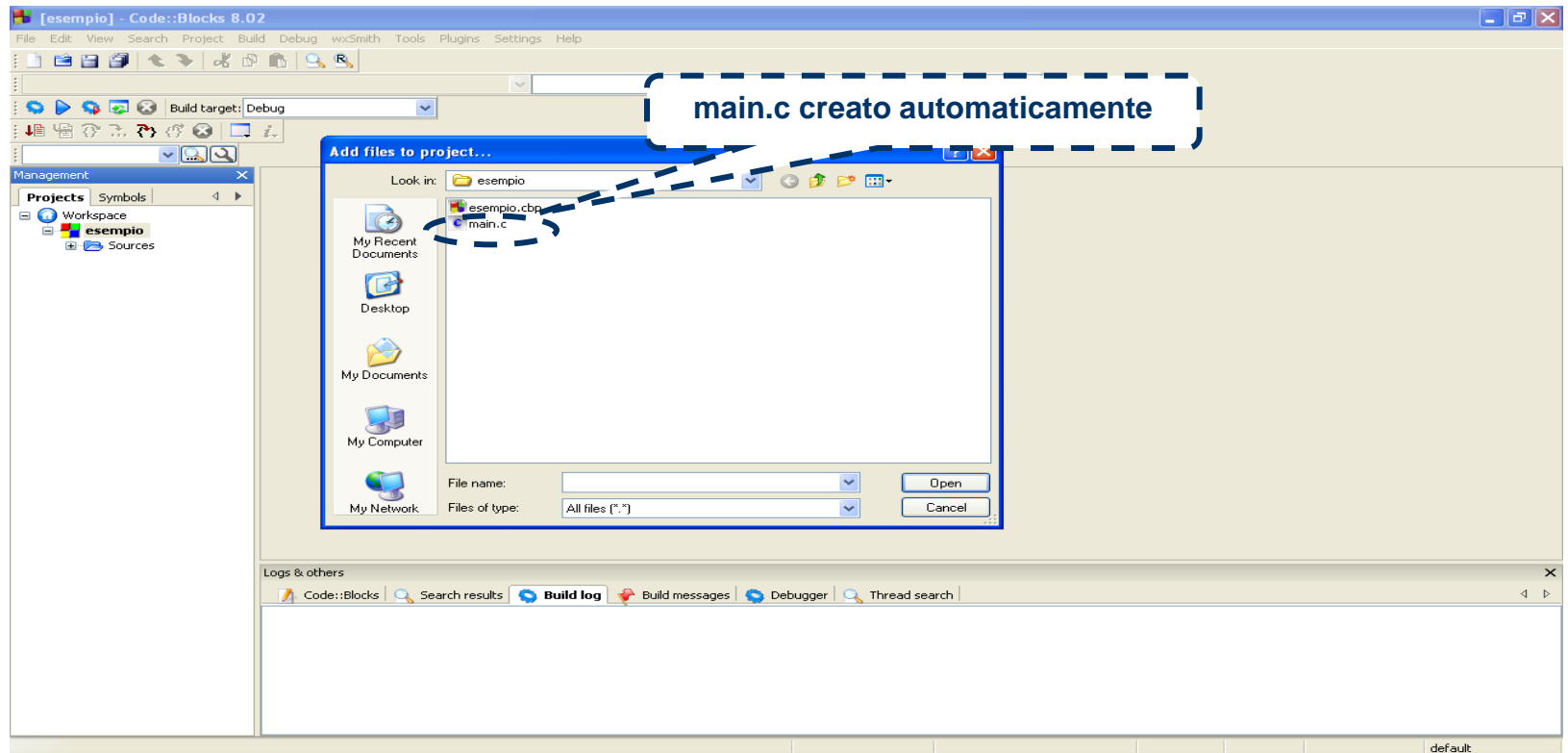
Visualizzazione “project manager”



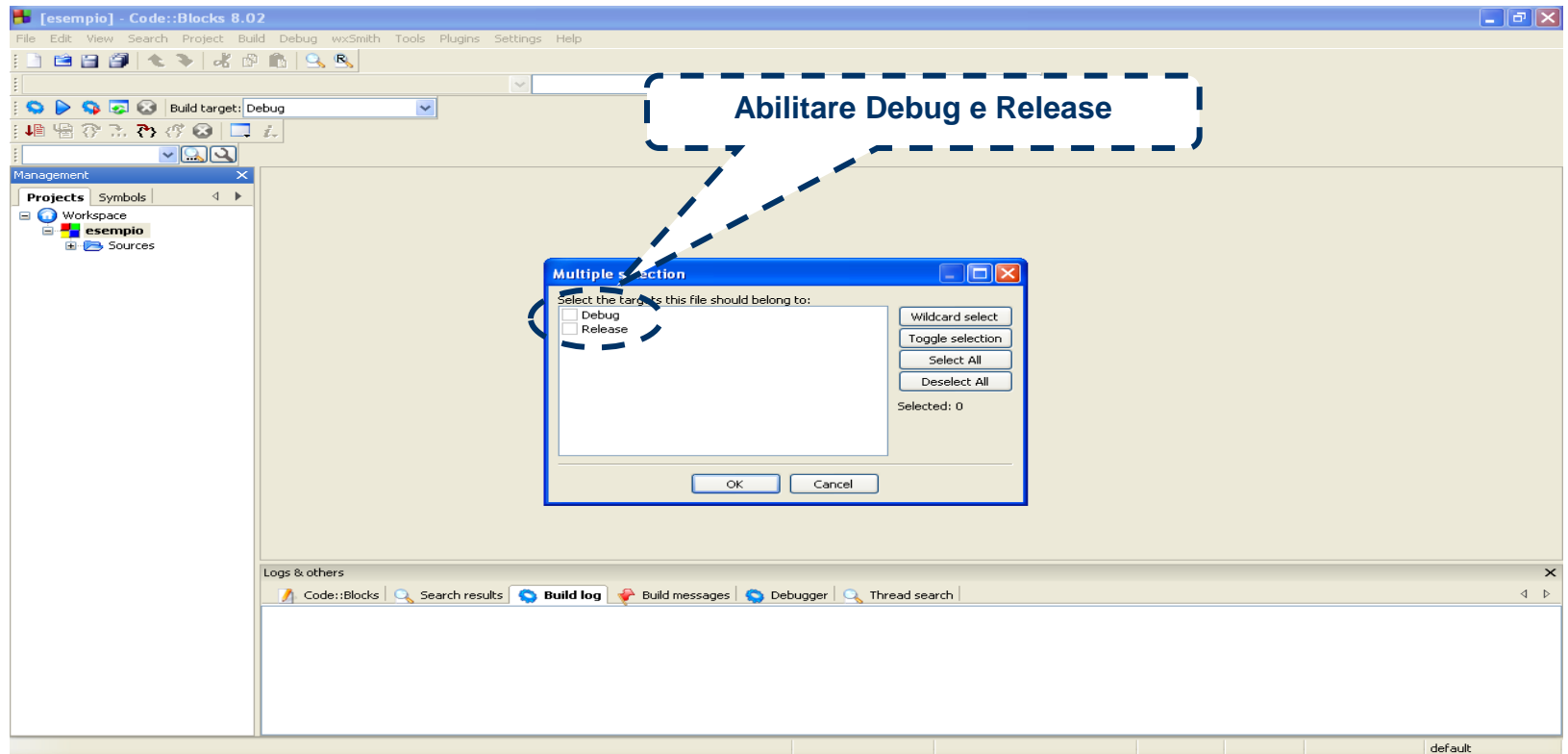
Inserimento file in progetto



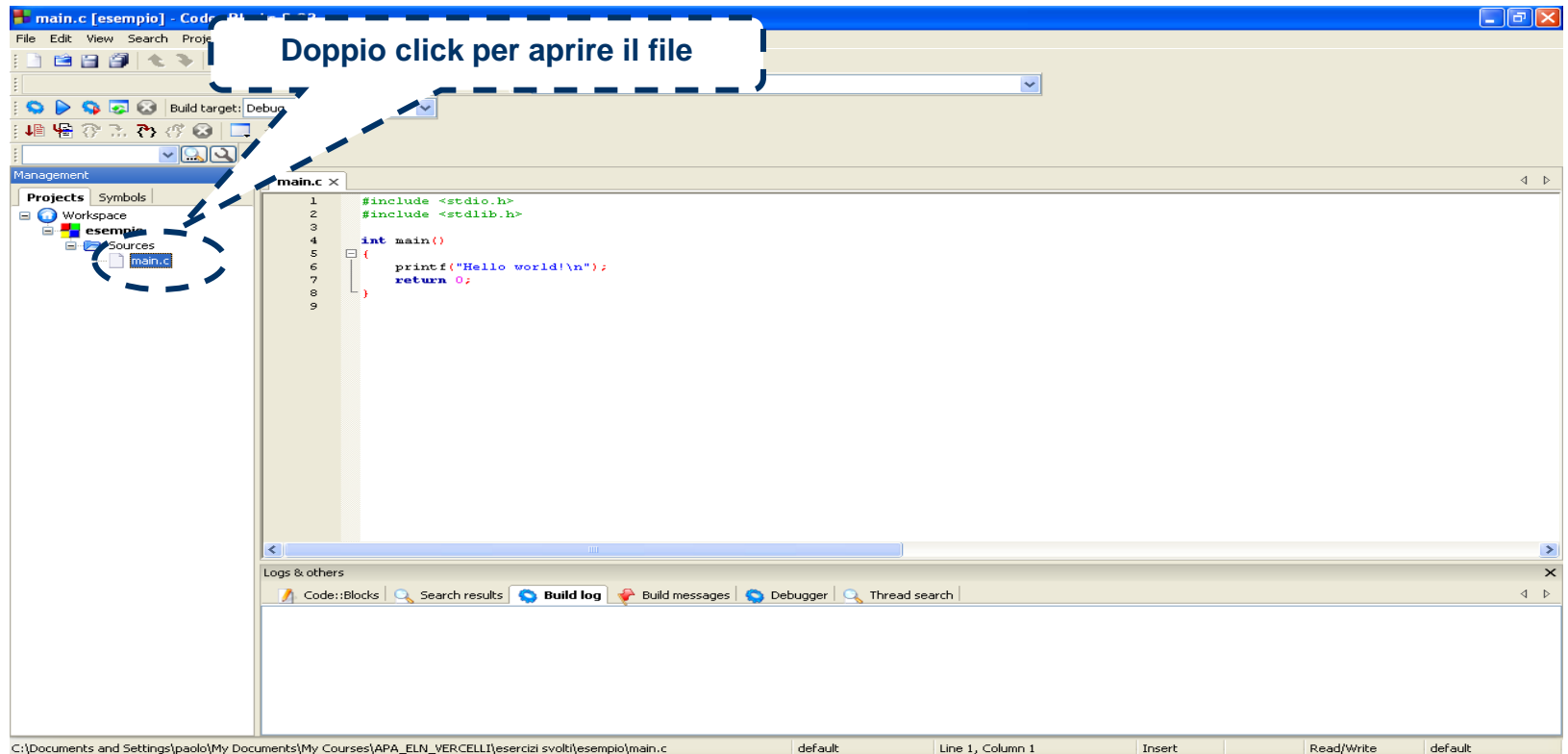
Inserimento file in progetto (cont.)



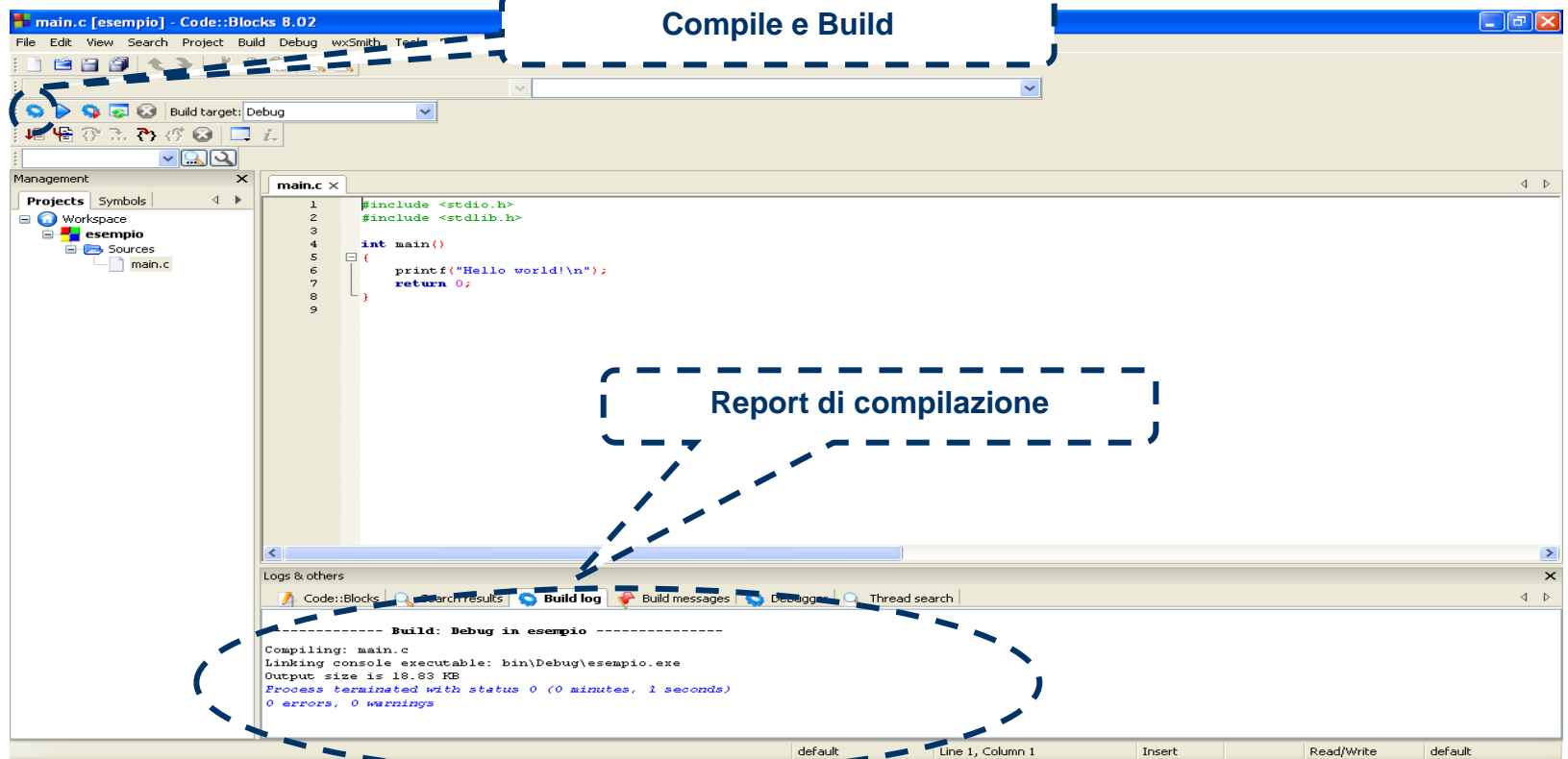
Inserimento file in progetto (cont.)



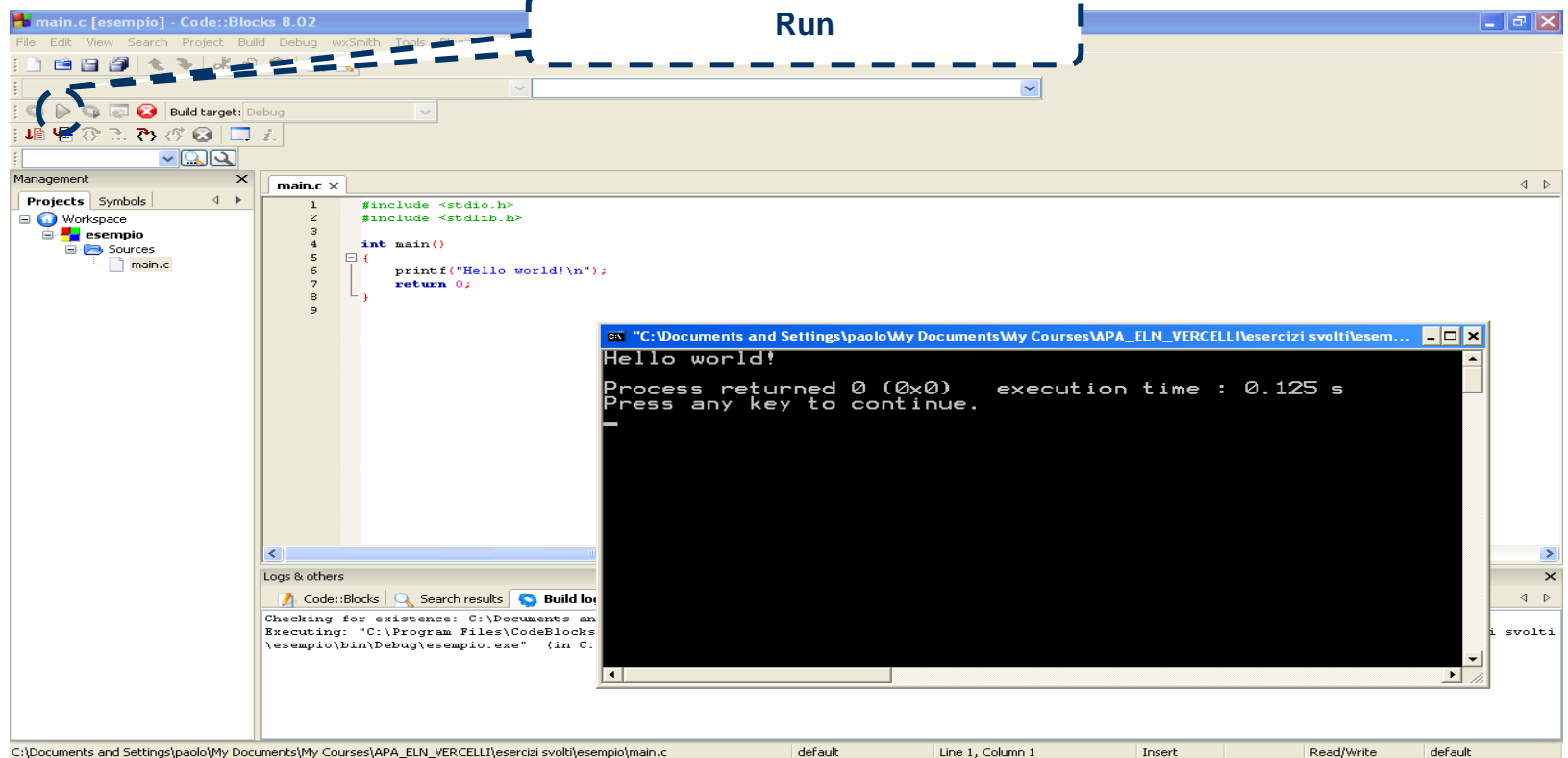
Visualizzazione file in progetto



Compile + Build



Run



Debug

The screenshot shows the Code::Blocks IDE with a project named 'esempio'. The main window displays the source code for 'main.c' with the following content:

```
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 int main()
5 {
6     printf("Hello world!\n");
7     return 0;
8 }
9
```

A red dot on the left margin of line 7 indicates a breakpoint. A dashed blue callout box points to this dot with the text: "Set breakpoint (click left a lato di una linea)".

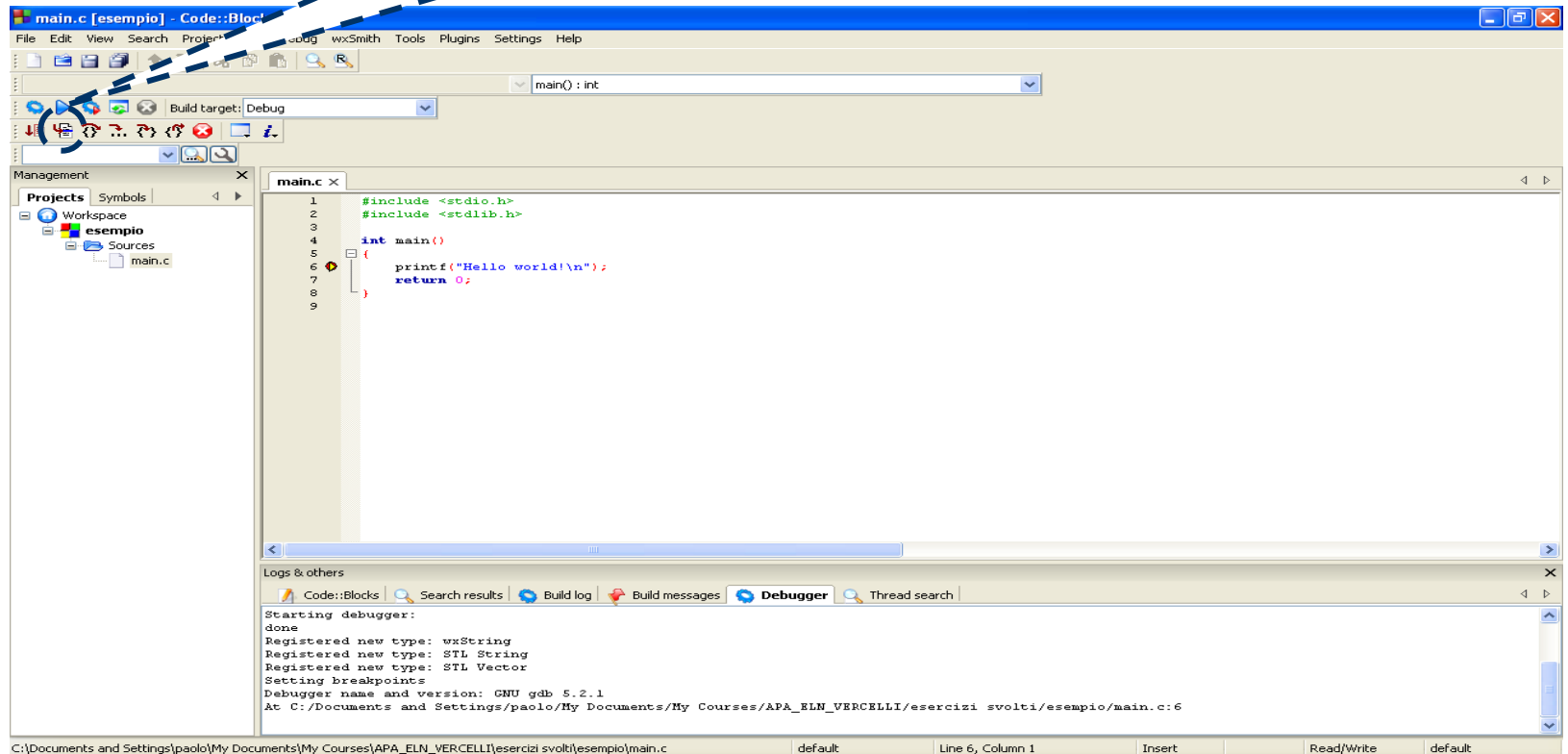
The 'Logs & others' window at the bottom shows the following output:

```
Registered new type: wxString
Registered new type: STL String
Registered new type: STL Vector
Setting breakpoints
Debugger name and version: GNU gdb 5.2.1
At C:/Documents and Settings/paolo/My Documents/My Courses/APA_ELN_VERCELLI/esercizi svolti/esempio/main.c:6
At C:/Documents and Settings/paolo/My Documents/My Courses/APA_ELN_VERCELLI/esercizi svolti/esempio/main.c:7
Debugger finished with status 0
```

The status bar at the bottom indicates the current position: "Line 7, Column 1".

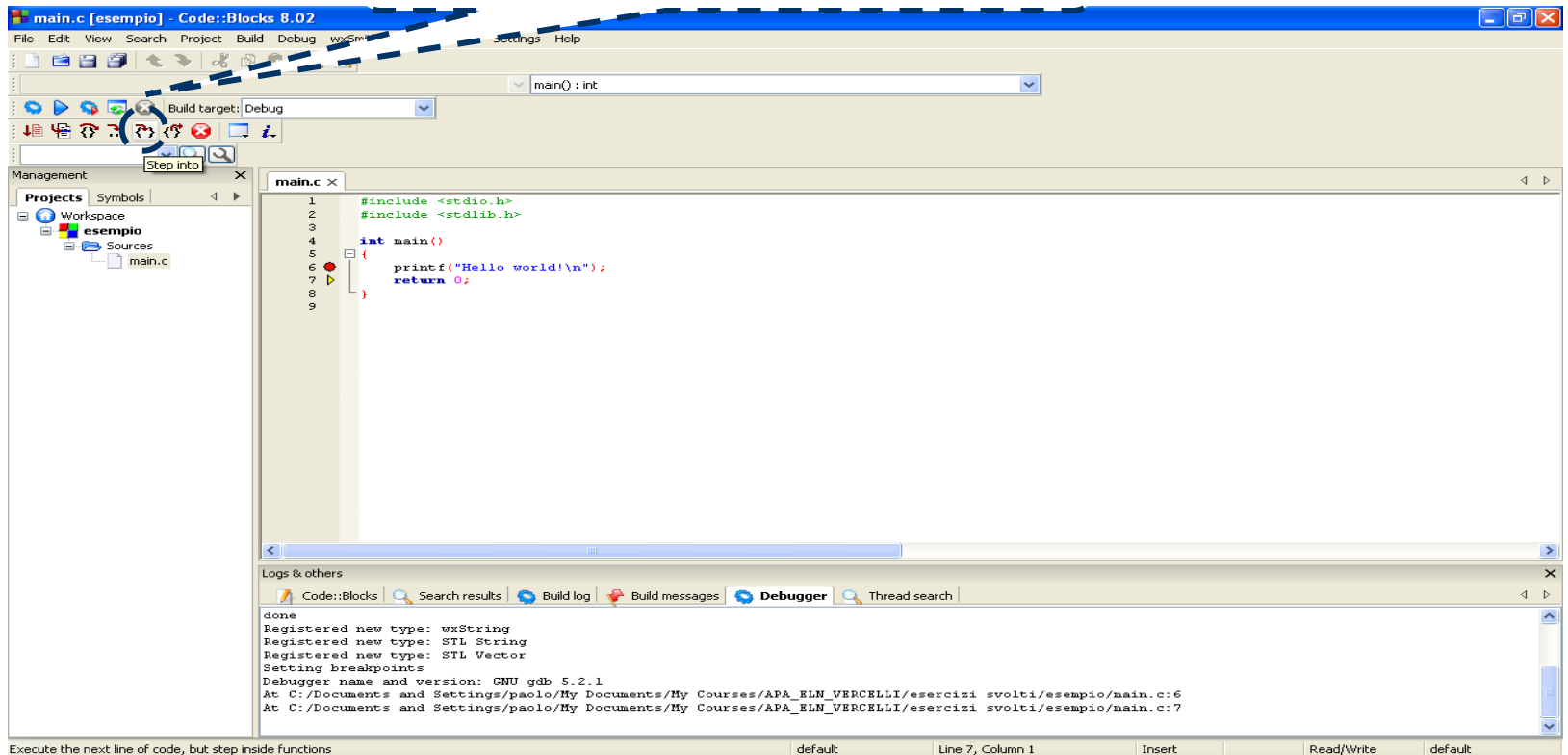
Debug (cont.)

RUN TO CURSOR → F5
(avanza veloce fino a breakpoint)



Debug (cont.)

STEP INTO – Shift + F7
(procede un passo per volta eseguendo tutte le istruzioni di tutti i blocchi)



Debug (cont.)

DEBUGGING WINDOWS (Selezionare Watches e Call stack)

The screenshot shows the Code::Blocks IDE interface with the following components:

- Code Editor:** Displays the source code for `main.c`. The code includes `<stdio.h>` and `<stdlib.h>`, and contains a `main()` function with a `printf("Hello world!\n");` statement and a `return 0;` statement. The cursor is positioned at line 9, column 1.
- Debugger Menu:** A context menu is open over the code editor, listing various debugging options. The `Watches` and `Call stack` options are checked.
- Projects Management:** Shows the project structure for `esempio`, including `Sources` and `main.c`.
- Watches:** A window showing the state of local variables and function arguments. It currently displays "No locals." and "No arguments."
- Logs & others:** A window showing the output of the debugger, including messages like "done", "Registered new type: wxString", "Registered new type: STL String", "Registered new type: STL Vector", "Setting breakpoints", and "Debugger name and version: GNU gdb 5.2.1".
- Call stack:** A window showing the current call stack. It contains one entry:

Nr	Address	Fu...	File	Line
0	00000000	main()	C:/Docume...	7

Build options

