Sloeber.io

Where Arduino Meets Eclipse

Meet Jantje

- Sloeber Mastermind
- Nerd
- Dad
- Father of Dragons

🐦 @arduinojantje

 @jantje

Meet Roberto

- Italian from Rome

- Maker

- AgileWare

🐦 @rlogiacco

⚫ @rlogiacco

Meet Wim

- Maker (4 bambini)
- Sloeber Releng
- Eclipse Committer
- Eclipse Nebula Lead
- ToolMaker

@wimjongman

@wimjongman

Differences with Arduino IDE

- Arduino IDE is GREAT!
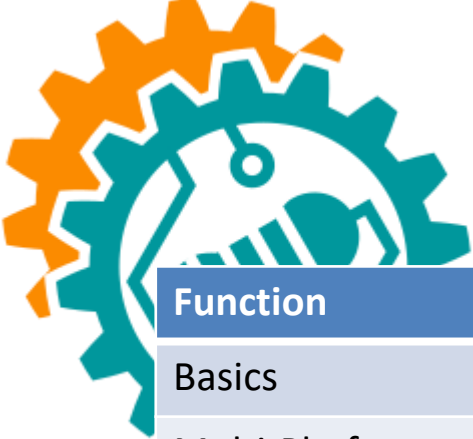- It introduces you to the core concepts

But…

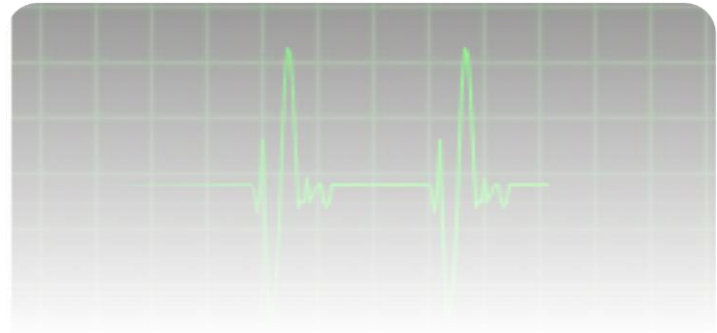Now you want to make a **BIG** project

Sloeber-IDE vs Arduino-IDE

Sloeber vs Arduino

Function	Sloeber	Arduino-IDE
Basics	Yes	Yes
Multi-Platform	Yes	Yes
Open Source	Yes	Yes
Supported Boards	400+	400+
Code completion	Yes	
Drill down	Yes	
Indexing	Yes	
Debugging	Yes	
Unit Testing	Yes	
Version Control	Yes	
Git / Github	Yes	
Subversion	Yes	
Eclipse Based	Yes	
Multi Project	Yes	

Coding Time!!

- My First Project
  - Creating a Project
  - Code Completion
  - Drill Down
  - Build
  - Upload
  - Run
  - Serial Monitor
  - Plotter

Sharing Time!!

- Sharing your project
  - Create a repository
  - Commit
  - Push to Github

- Contributing
  - Fork a project
  - Change
  - Push to GitHub

Debugging Time!!!

- Debug
  - Change the Build Target
  - Adding "Debugging Platform"
  - Setting breakpoints
  - Debugging

Unit Testing Time

- Ardunit
  - Why Unit Testing
  - What to Unit Test
  - Create a Simple Unit Test

Chiaro come fango?