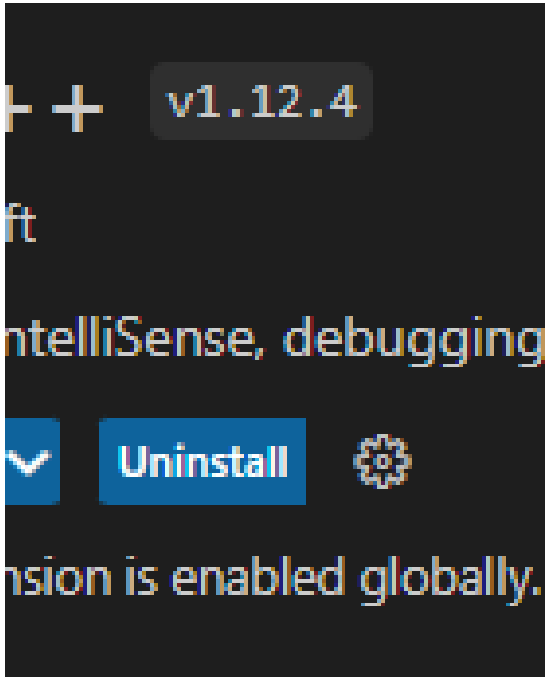
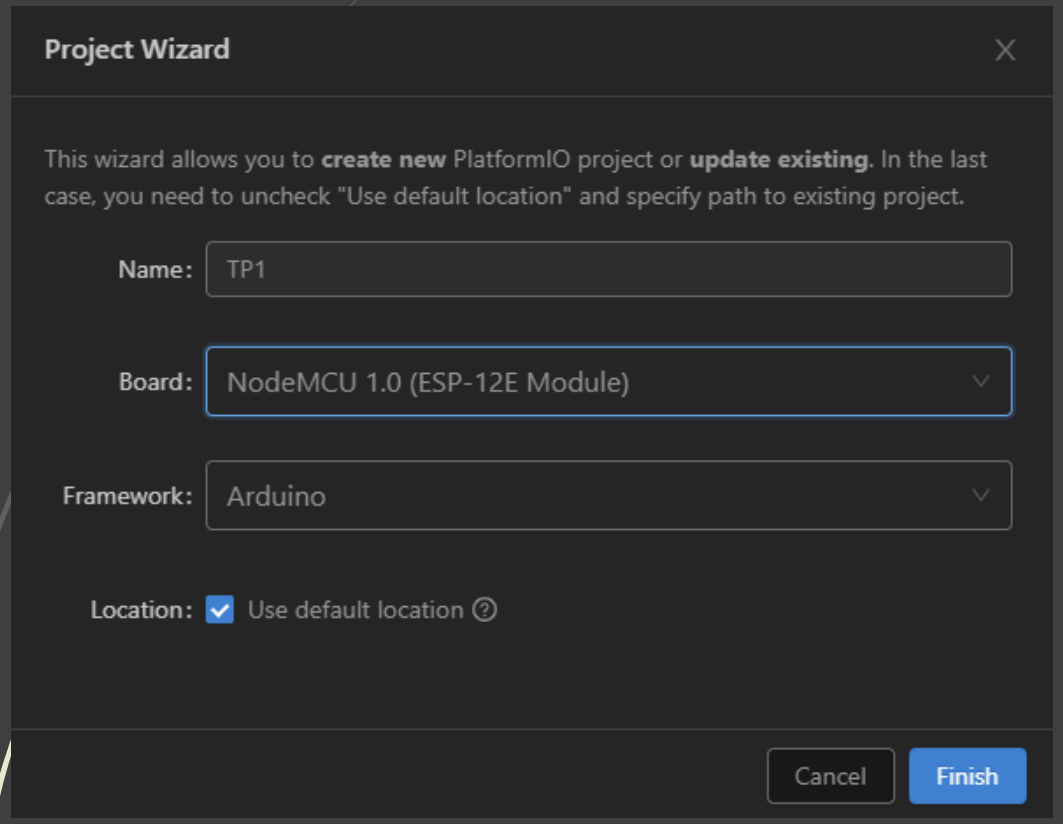
NODE MCU -ESP

TP1



Outils de développement

- IDE Arduino
- VS Code
  - Extension C/C++
  - Extension PlateformIO



Créer un nouveau projet

- Accéder au home menu de l'extension PlatformIO
- Cliquer sur nouveau projet

Premier programme

- Fichier main.cpp

PIO Home | main.cpp

Led > src > main.cpp

```cpp
#include <Arduino.h>

void setup() {
  // put your setup code here, to run once:
}

void loop() {
  // put your main code here, to run repeatedly:
}

```

Configuration

Main.cpp

```
void setup() {
  // put your setup code here, to run once:
  pinMode(LED_BUILTIN, OUTPUT);     // Initialize the LED_BULTIN pin as an
output
  pinMode(D1, INPUT);
  Serial.begin(115200);
  Serial.println("TP1: Programme allume LED");
}
```

PlateformIO.ini

```
[env:nodemcuv2]
platform = espressif8266
board = nodemcuv2
framework = arduino
monitor_speed = 115200
```