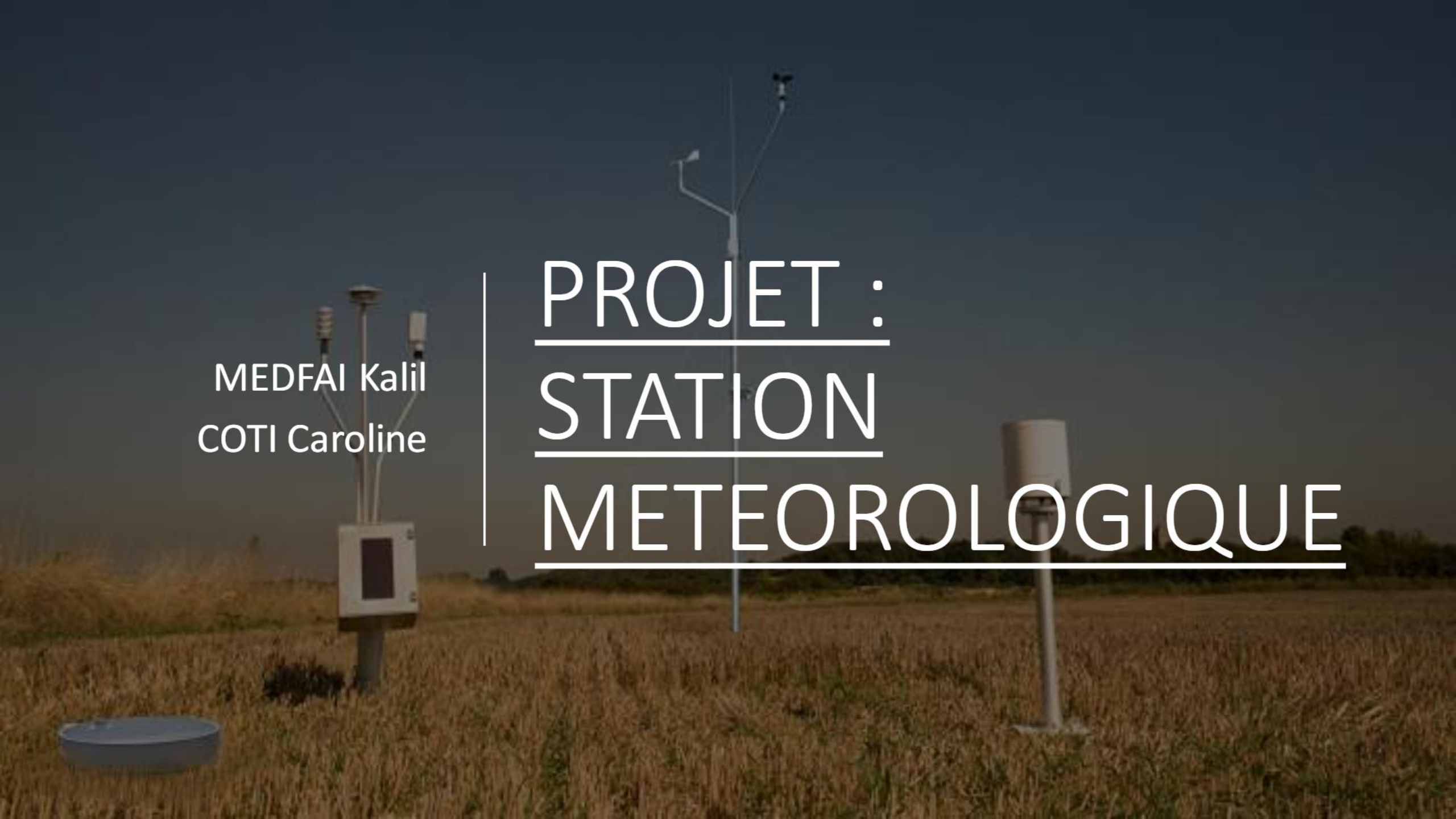


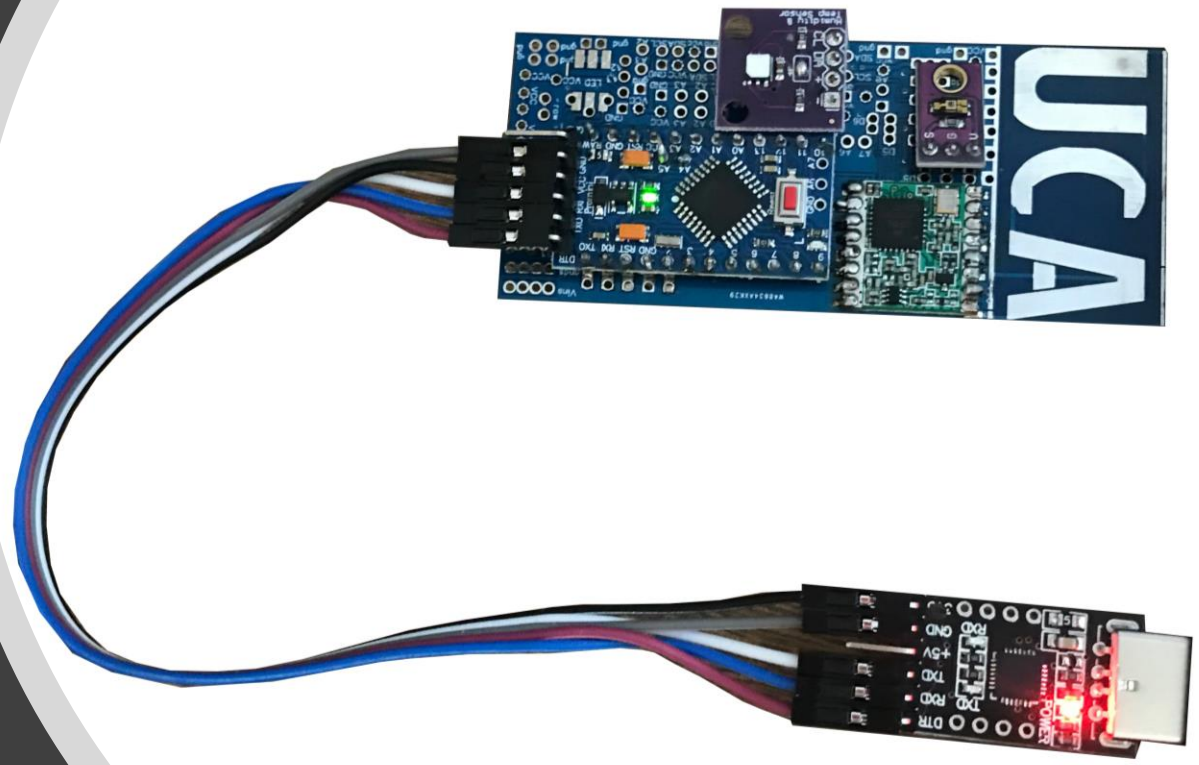
MEDFAI Kalil
COTI Caroline

PROJET : STATION METEOROLOGIQUE

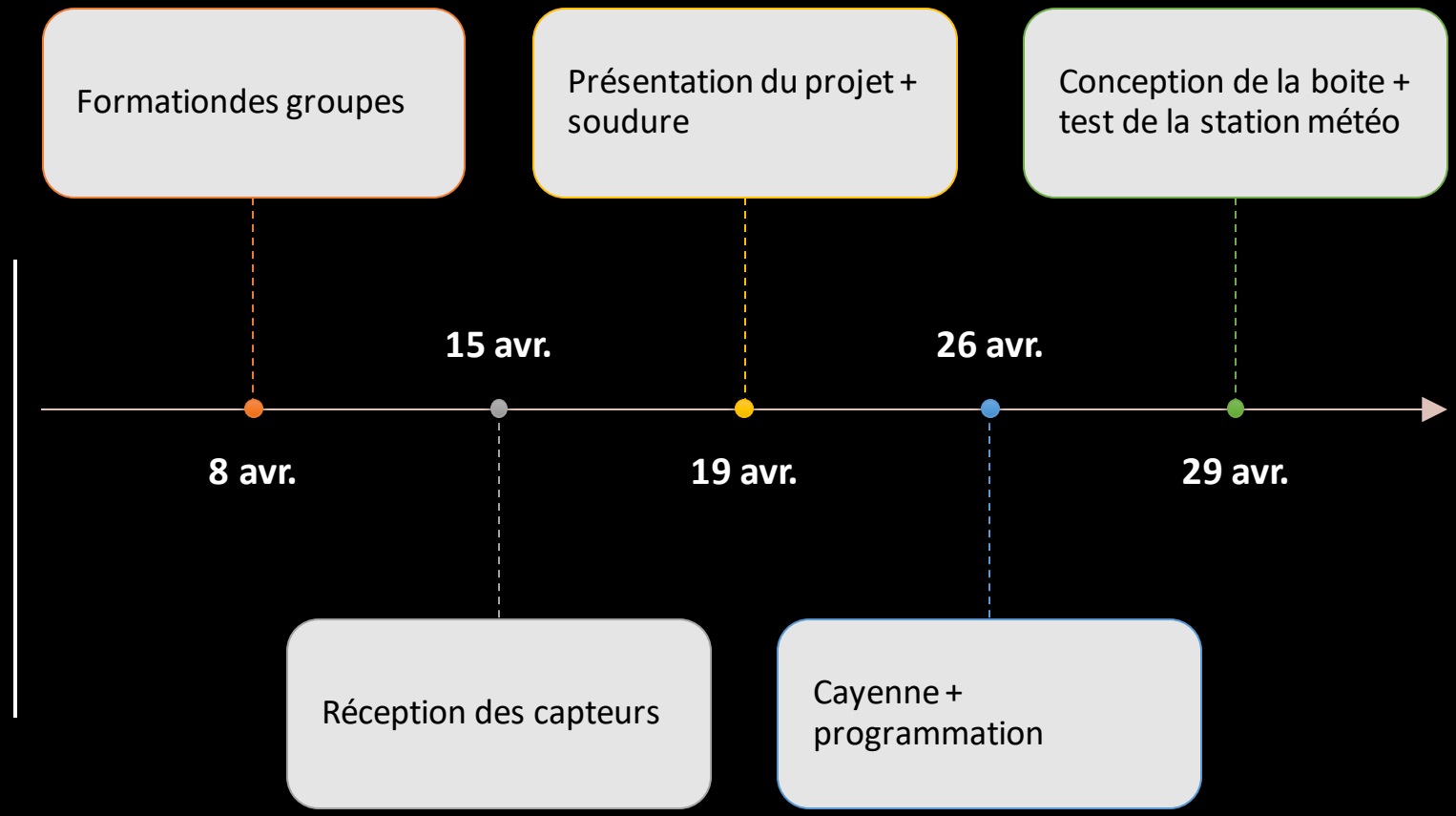
SOMMAIRE :

- Présentation du projet
- Planning
- Problèmes rencontrés
- Programmation
- Boite
- Démonstration

PRESENTATION DU PROJET

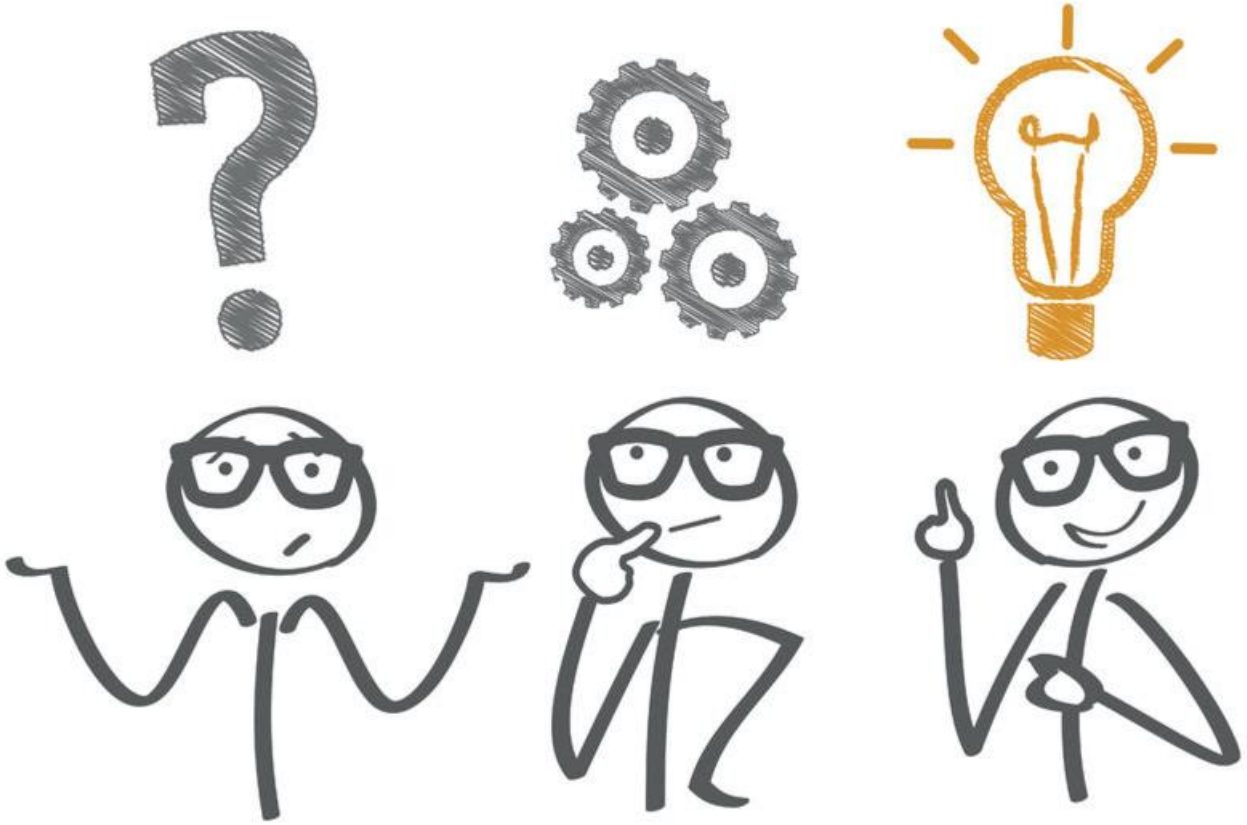


PLANNING :


Formationdes groupes
Présentation du projet + soudure
Conception de la boite + test de la station météo
8 avr.
15 avr.
19 avr.
26 avr.
29 avr.
Réception des capteurs
Cayenne + programmation

PROBLEMES RENCONTRES

- Capteurs
- Imprimante 3D
- Temps



```
int temperature = sensor.getCelsiusHundredths();
temperature = temperature / 100;
Serial.print("Temperature :");
Serial.print(temperature);
Serial.println("°Celcius");

delay(1000);
```

```
int humidity = sensor.getHumidityPercent();
Serial.print("Humidity :");
Serial.print(humidity);
Serial.println("%");

delay(1000);
```

PROGRAMMATION

```
light = readLight();

Serial.print("Light :");
Serial.print(light);
Serial.println("Lx");

delay(1000);
```

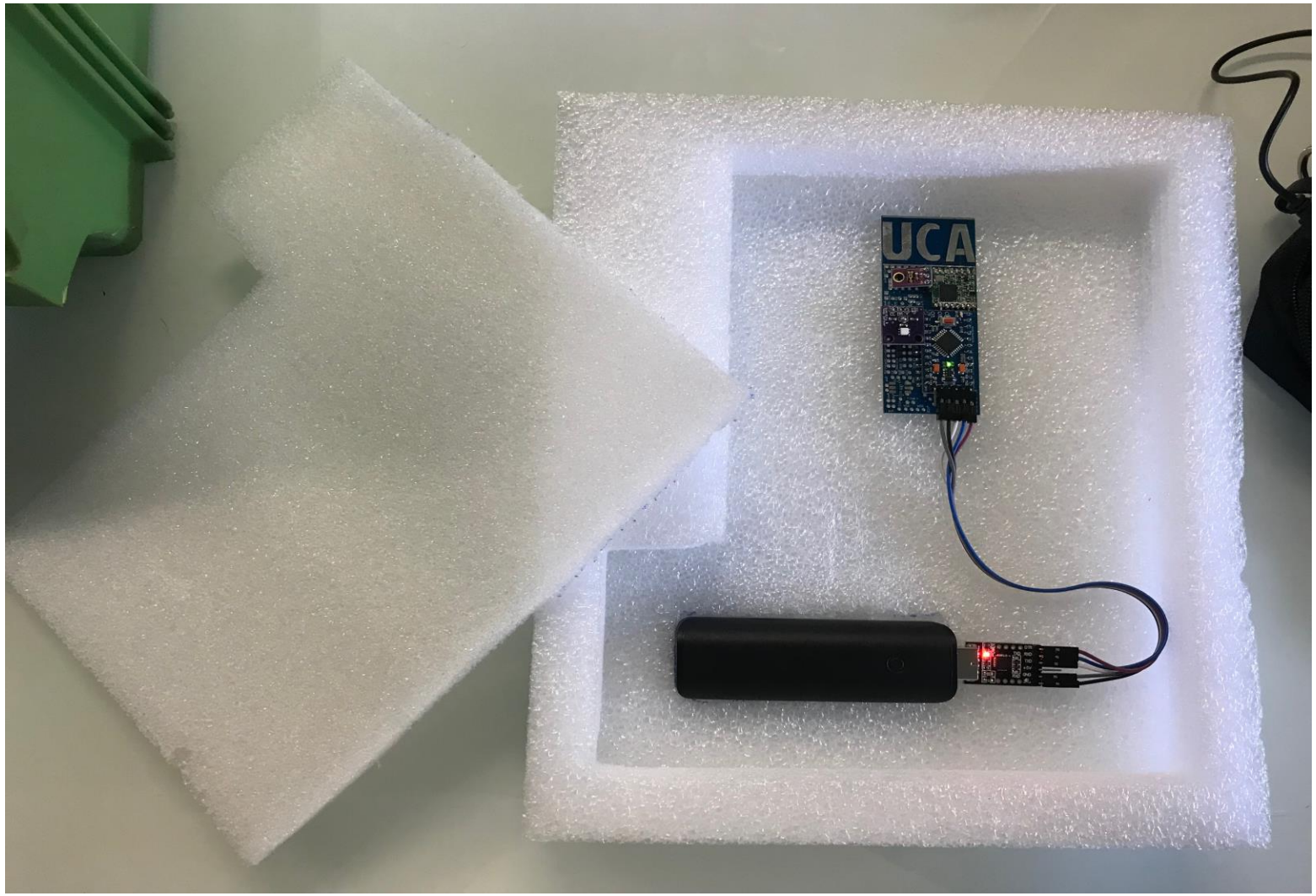
```
static const u1_t PROGMEM APPEUI[8] = { 0xE0, 0x33, 0x01, 0xD0, 0x7E, 0xD5, 0xB3, 0x70 };
void os_getArtEui (u1_t* buf) {
  memcpy_P(buf, APPEUI, 8);
}

// This should also be in little endian format, see above.
static const u1_t PROGMEM DEVEUI[8] = { 0x19, 0x00, 0x00, 0x00, 0x00, 0x06, 0xCE, 0x21 };
void os_getDevEui (u1_t* buf) {
  memcpy_P(buf, DEVEUI, 8);
}

static const u1_t PROGMEM APPKEY[16] = { 0xF7, 0x4F, 0xDF, 0xFB, 0x75, 0xD6, 0xEE, 0xA4, 0xA5, 0x9F, 0xE4, 0x99, 0x0D, 0xC2, 0xFD, 0x7C };
void os_getDevKey (u1_t* buf) {
  memcpy_P(buf, APPKEY, 16);
}
```

PROGRAMMATION

BOITE :




TEST