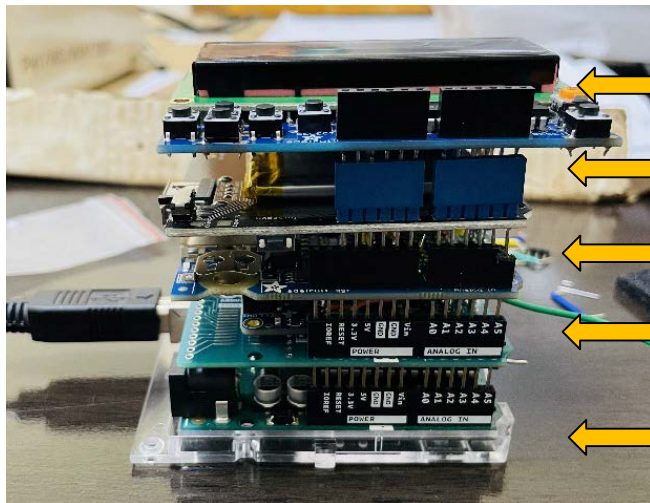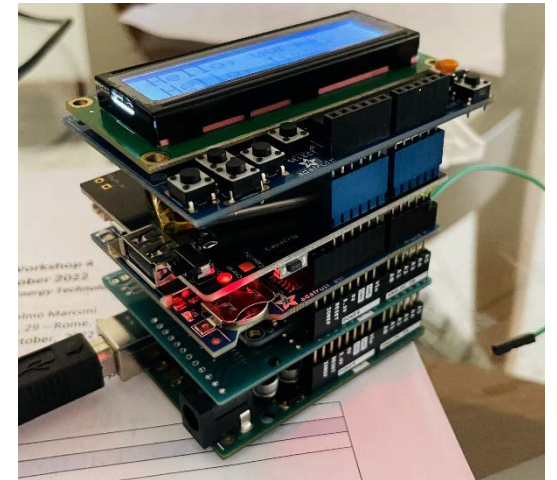# Arduino based data logger

We have the need for data loggers with the following characteristics

- To be applied for monitoring of pilot solar heat storage units for cooking
- Record temperatures and power (DCS volt and current)
- Autonomous and self powered
- Acumulating data on memory card
- Inexpensive and configurable

An Arduino based solution has been selected and tested

LCD display

Energy card with battery and charger, PV input

4 K-type thermocouple amplifiers

Data logger card with RTC and SD card and level shifter

Arduino Uno

(Mulu Bayray, Jimmy Chaciga, Martin Egherdal and others in earlier tests)