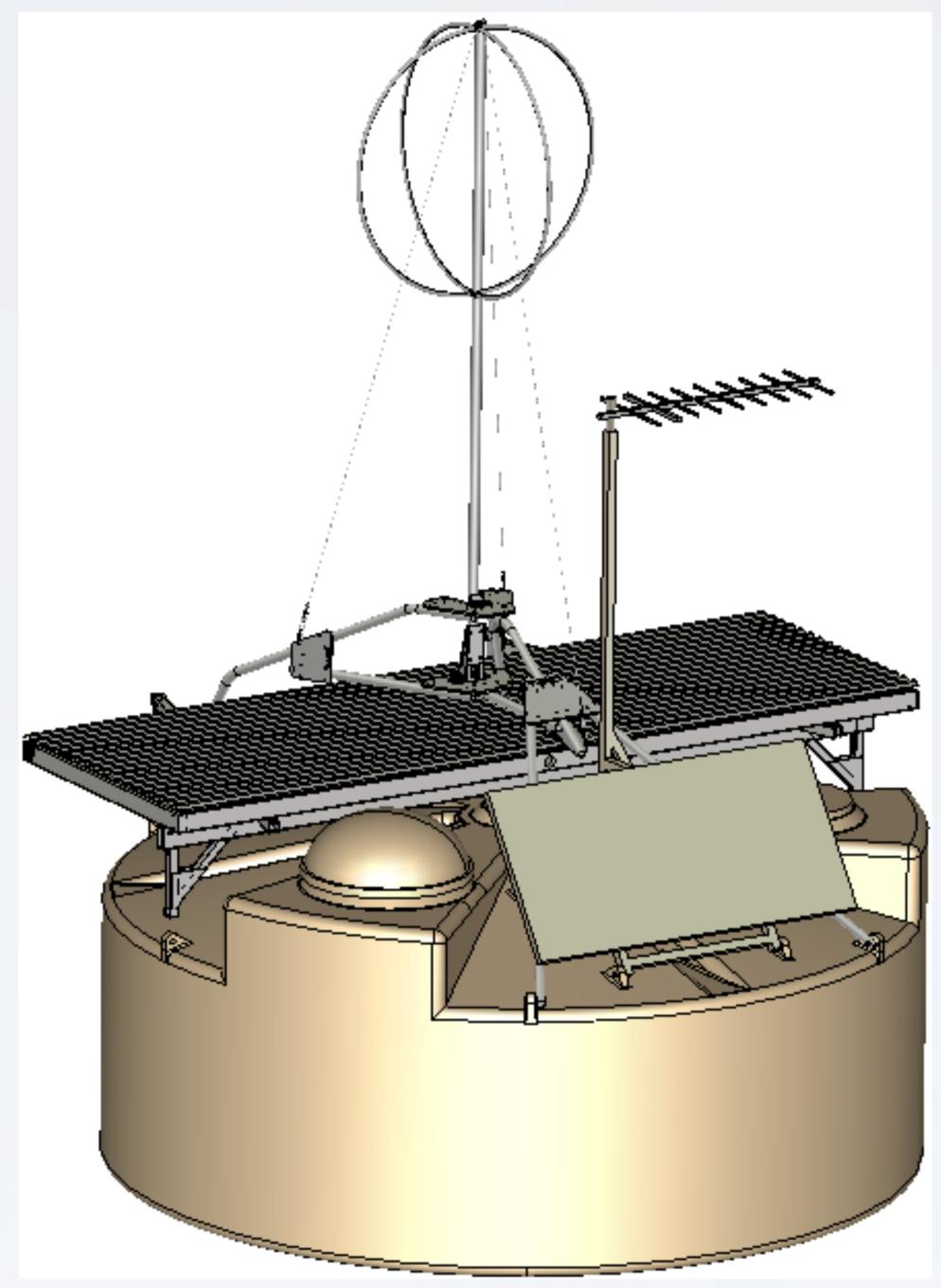


# PIERRE AUGER **OBSERVATORY** Off line.



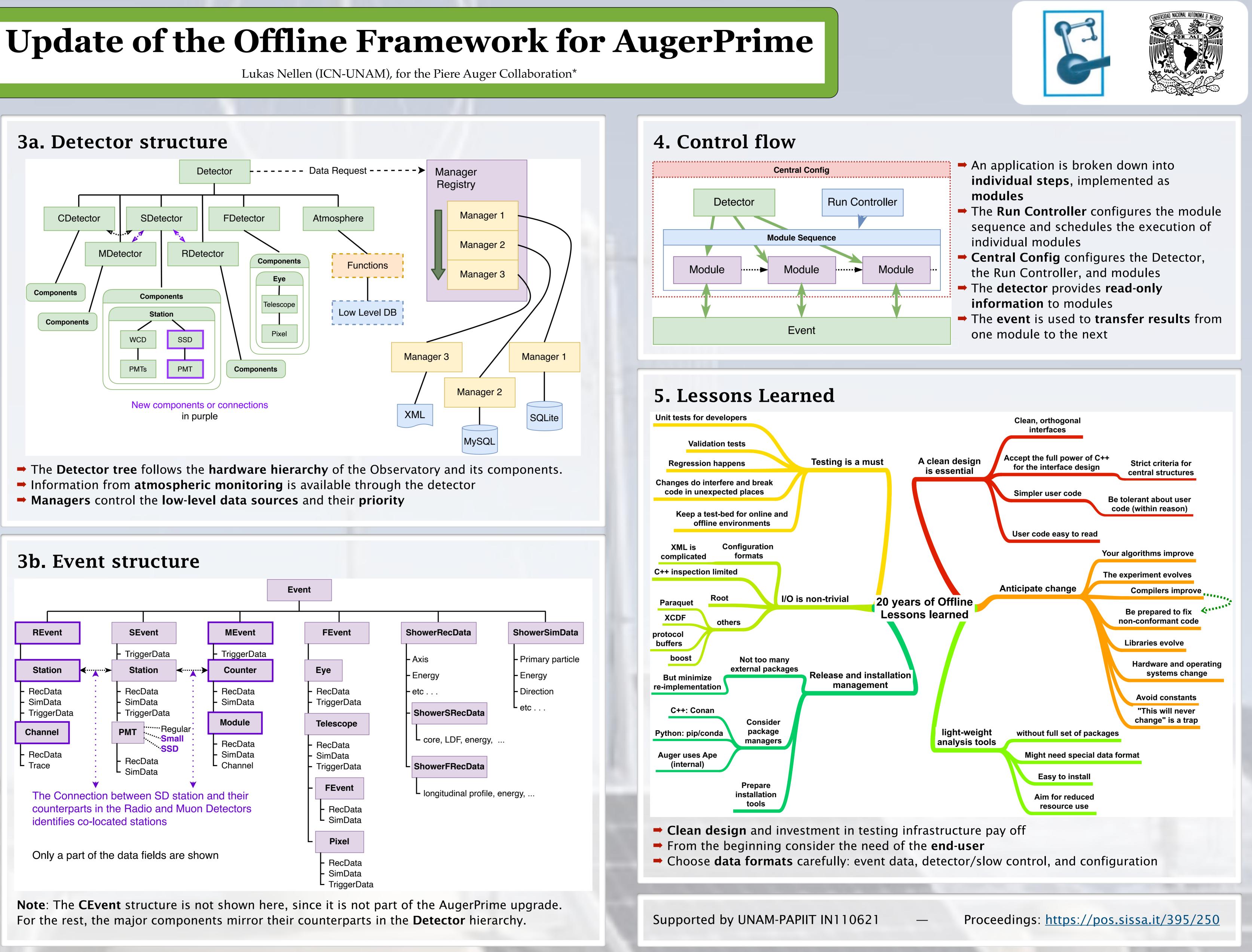
# **1. Upgraded surface detector station**



The visible, new elements are the Salla Antennas for Radio Detection and horizontal enclosure of the **scintillator detector (SSD)**. The *small PMT* for extending the dynamic range is inside the detector enclosure and therefore not visible. One can also identify the **dome for the station** electronics, the solar panel and the communications antenna.

## 2. Changes to the detector station

- Additional small PMT
- Digitizer speed from 40MHz to 120MHz
- Additional channels
- Scintillator detector on top of WCD
- **Radio detector** (Salla antenna)



# **3b. Event structure**