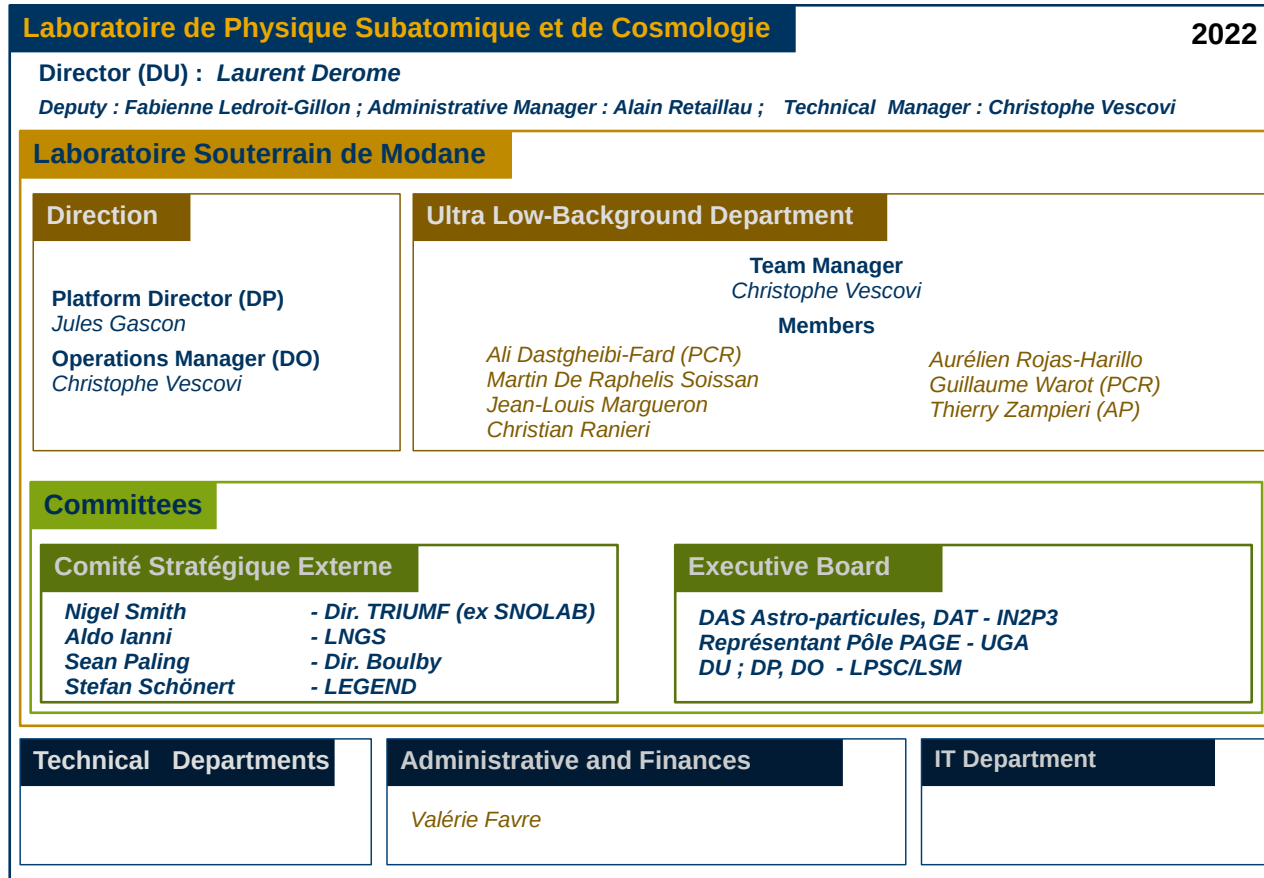


LSM Experiments meeting News and Updates

- Official new direction @ LPSC (2022/07)



- Delegation is needed onsite :

- **Guillaume Warot** : Deputy team manager
- **Ali Dastgheibi-Fard** : Operations, experiments contact
- **Thierry Zampieri** : Infrastructures and Safety

Budget - Finances

- LSM in the National Research Infrastructure Roadmap (IR)
- First IR funding 2023
 - 150 k€ + 50 k€ (Radon trapping)
- Validation of “hosting costs” by IN2P3
 - Occupancy costs
 - Based on 280 m² available area for experiments and an infrastructure cost of 61k€
 - Other infrastructure costs at the expenses of the gamma spectroscopy platform
 - 218€ / m² for hosted experiments
 - Fluids costs
 - Power consumption of the experiment
 - + radon-free air consumption (200W/m³/h)
 - + cooling (30% of experiment power)
 - Specific costs
 - Other costs, specific to the experiment (gases, LN2, LHe, ...)

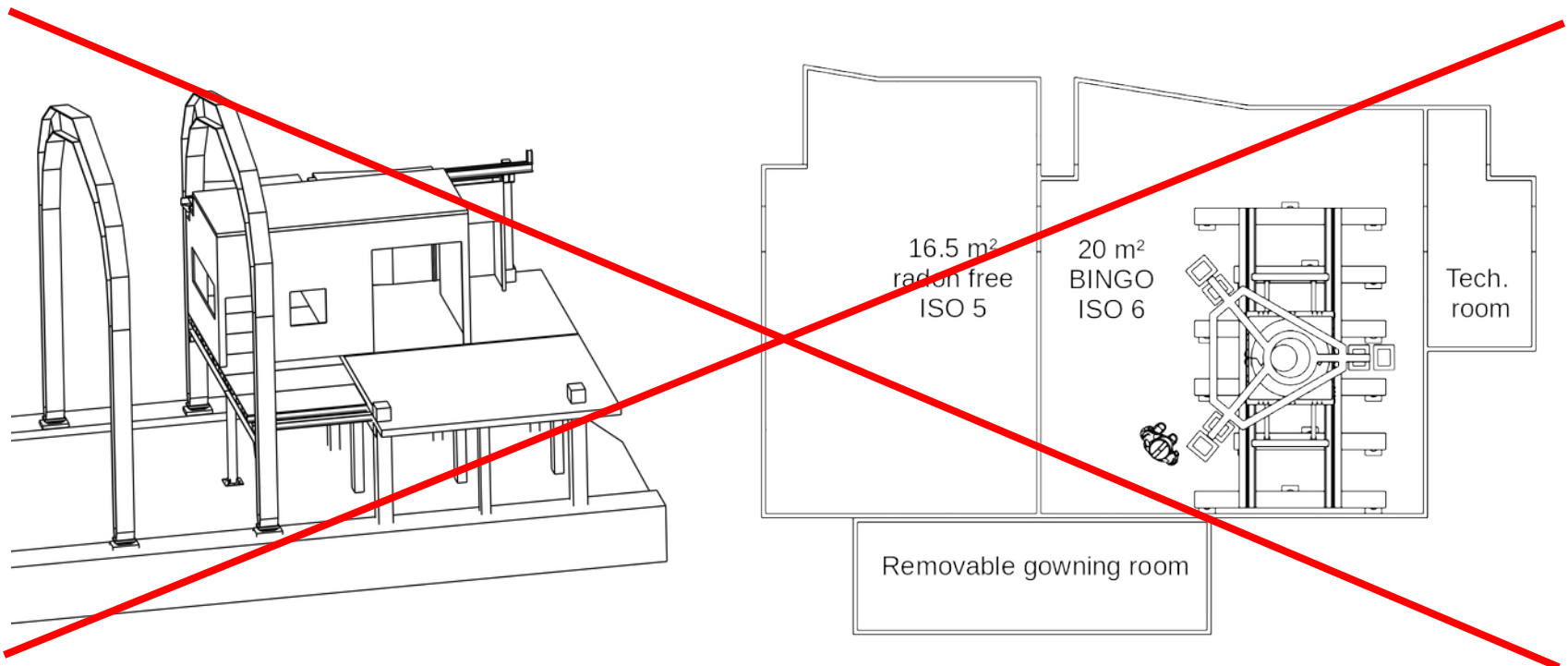
INFRASTRUCTURES	243 000 €	
Fluids	80 000 €	
Maintenance	44 000 €	
Cleaning and Green space		28 000 €
Cooling		8 000 €
Buildings		8 000 €
Infrastructure works	100 000 €	
Experiments installation		40 000 €
Radon trapping		60 000 €
Safety	19 000 €	
periodic inspections		15 000 €
PPE – Radioprotection		4 000 €
OPERATIONS	65 000 €	
General operations	49 000 €	
Telephony		5 000 €
LN2 and gases		12 000 €
Vehicles		17 000 €
Warehouse renting		12 000 €
Office supplies – Furniture		3 000 €
Scientific Support	16 000 €	
Travel		8 000 €
Communication & Outreach		3 000 €
Various		5 000 €
TOTAL	308 000 €	

- Work done in 2022
 - PARTAGe : see next slide
 - Disassembly of the radon free clean room
 - Disassembly of SEDINE
 - Disassembly of the 1.2T crane
 - Disassembly of the old radon trapping facility
- Work delayed
 - New radon trapping facility installation
 - PARTAGe completion

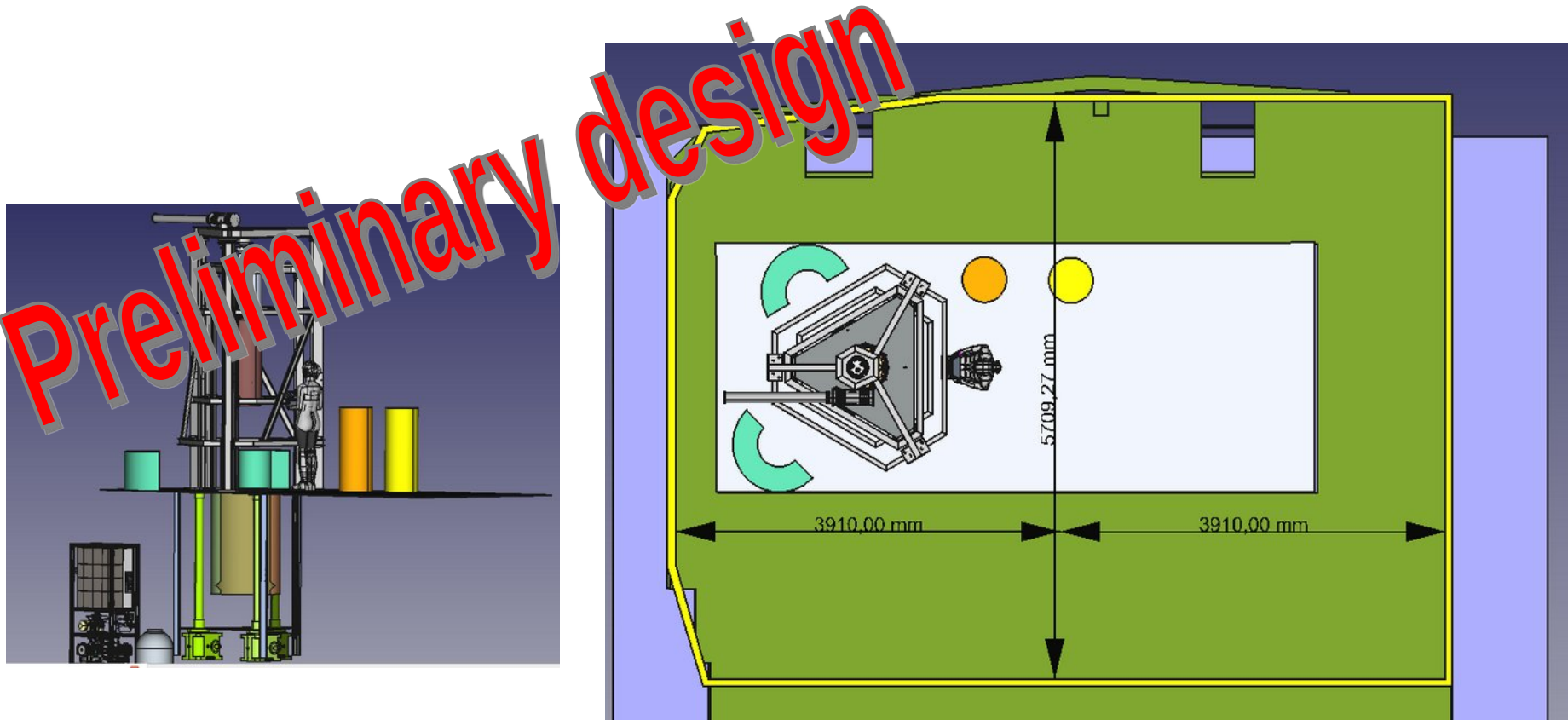
- Radon trapping
 - Dryer + Chiller + Charcoal tower ordered by CTU (ATEKO)
 - Order of the compressor (LPSC)
 - In house design of the ultra-low temp refrigeration system (-80°C)
 - SKID manufacturing to be done @ LPSC (before summer)
 - Slow control to be tested
 - Chiller acquisition reported to 2024
- PARTAGe
 - Shielding (16) of the first raw are installed
 - Still waiting for the first Marinelli shielding (delay in the tender due to University)



- Platform Clean-Room project stopped !
 - Tender transferred to CNRS Infrastructure Dept → Additional delay and costs
 - Radon free clean room reduced to 9m² → too small for DAMIC-M
 - Issues with BINGO installation (load limitation on the platform)
 - Opportunity for Edelweiss decommissioning



- 2022/12/15 : Decision to dismantle Edelweiss
 - Space available for future experiments
 - Installation of BINGO in a part of EDW clean-room
 - Cost and delay reduction



- Edelweiss III decommissioning has started



- EDW III clean-room partial disassembly is needed for crane access
- Intervention of external company (Montage73)
- roof and walls disassembly 14 to 24 February 2023
- Company not available before April 2023 after this first intervention

- Still lots of work to be done in 2023 !!
 - EDW III decommissioning
 - Preparation for BINGO
 - Radon trapping facility installation
 - PARTAGe completion (hopefully !)
- Support to project activities :
 - SuperNEMO : antiradon tent, iron and water shielding
 - DAMIC-M : test room setup for CCD cold probing and packaging
 - BINGO

Most of this as to be done before mid 2013 !!

- Questions from SuperNEMO
 - Environmental parameters of the lab
 - Cleanliness, particles levels
 - Radon concentration
 - Temperature and pressure

Truck in the lab, rapid observed pressure variation, low “new air” flowrate
 - Secure access to electronics

ANSWER : Access from “EDW zone” guaranteed (complete removal of panels and corridor)
 - Communication between LSM experiments and users

Proposal for a short monthly zoom meeting

summary of previous month, agenda of next month, scientific news, AOB