

# Examples of potential actions European Health Climate council

## ***Facilitated innovation***

Active Façade Project

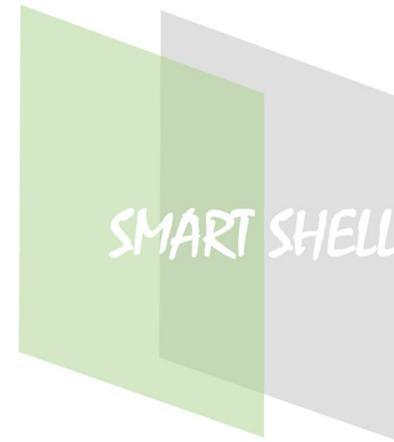
## ***Disseminate good practices***

day "Reducing the Environmental Footprint of  
Health Products"

## ***Sensitize***

GHG emission report  
Footprint Anaesthetic gases

08.11.2017



**This active facade research project concerns the efficiency and thermal comfort of the facades of hospital buildings from the 1960-1970s. This issue is one of the major issues of hospital real estate over the next decade because these buildings still functional enough to remain permanently in operation, are numerous in the housing stock of the AP-HP. They correspond to the time of the massive reconstruction of our hospitals**

**They are very energy efficient and very uncomfortable during exceptional weather events.**

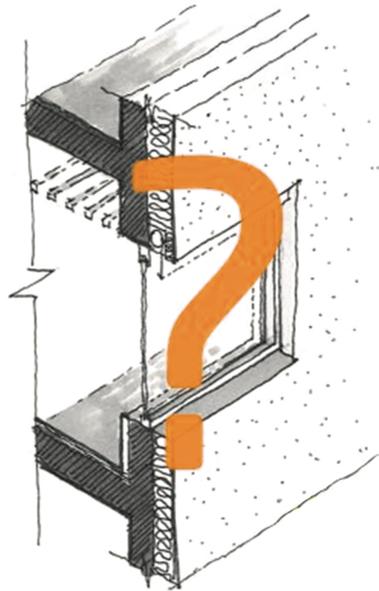
**On the other hand, their façades are all made with almost identical industrial façade panels, which can facilitate the deployment of an innovative solution.**

through the notion of active facade, it is a question of imagining facade modules allowing the integration of active bioclimatic systems of management of air quality and interior comfort (ventilation, heating transmitters, lighting). .

Thus, a joint renovation of the building envelope and systems for regulating indoor conditions (thermal regulation, air treatment, etc.) would be implemented.

Embedded decentralized control systems will allow better management of heat transfer due to air renewal and may also integrate the use of renewable energy (photovoltaic panels for example).

The active facade module will also have the effect of making the air treatment room autonomous.



*a resilient  
Facade?*

**A consortium**  
**APHP**  
**ELioth**  
**GA**  
**DualSun**  
**169 Architecture**

**900 000 euros funding**

**300 000 euros of  
subsidy**

**560 000 euros of  
private financing**  
**40 000 euros APHP**

## Program:

### *Foreign experiences*

- Policy and directions to reduce the environmental footprint of NHS health products (National Health Service)
- Techniques and Tools to Reduce Greenhouse Gas Emissions from Inhaled Anesthesia
- Actions to reduce the carbon footprint of hospitals in Skåne province, Sweden
- A cleaner hospital, a cleaner environment

### *National and regional experiences*

- Eco-design of treatment in the operating room
- Can we value the precious metals contained in medical devices at the hospital? A golden question!
- Pharmaceuticals in the environment: information system and environmental diagnostic methodology for health care facilities
- Round Table - In practice, what is the position taken by hospital actors and health industry?

