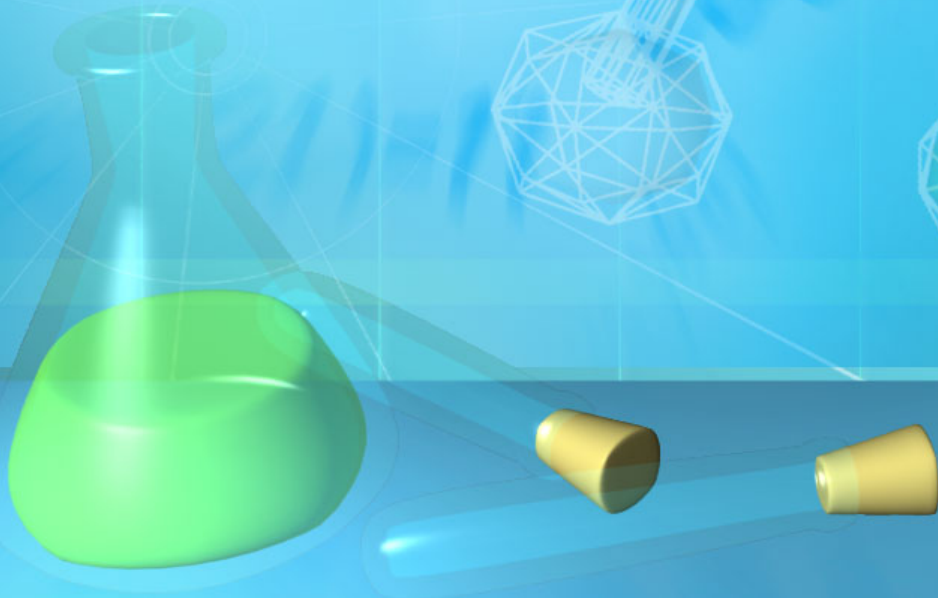


Indoor Climate Remediation in Houses Situated on Contaminated Sites

Jens Rønnow Lønholdt, Denmark



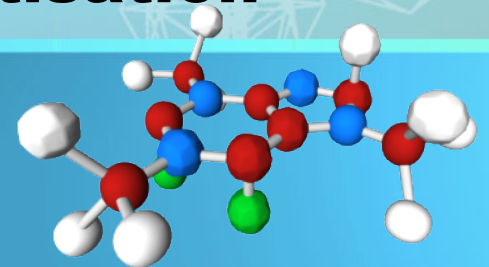
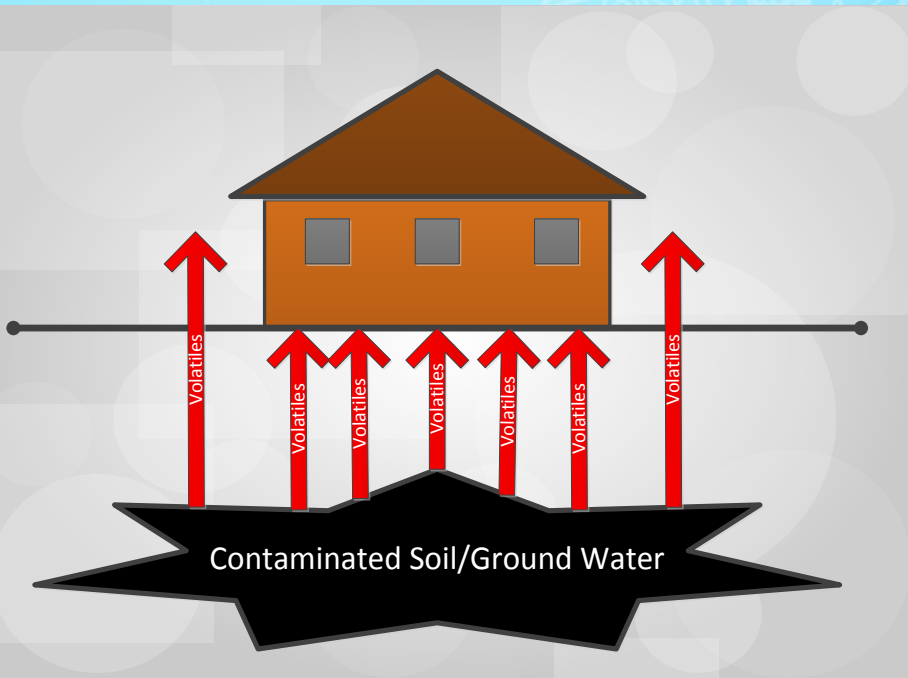
The Capital Region of Denmark



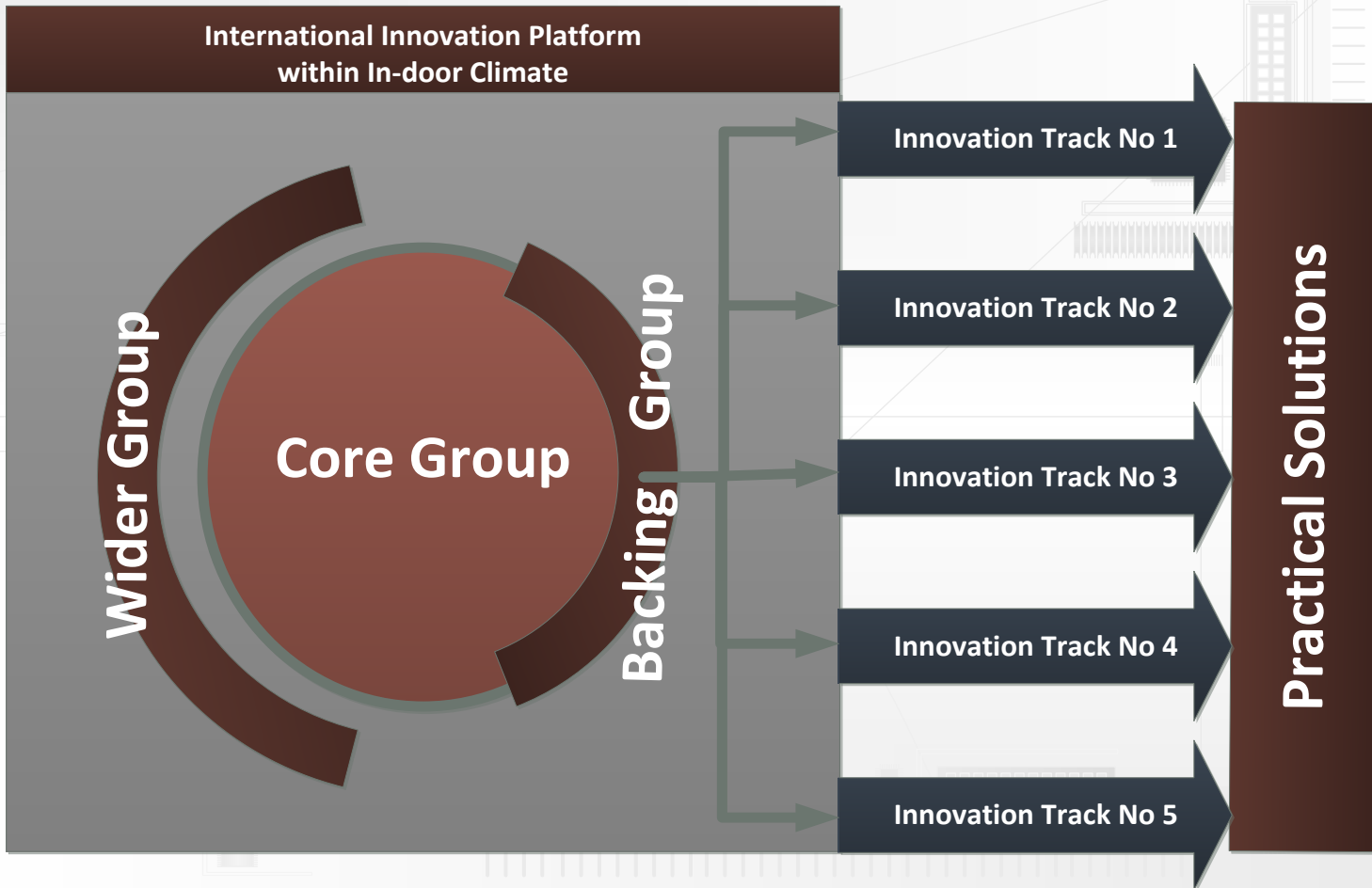
The innovation and development project by the Capital Region of Denmark Environmental Division: The *NYMIND Project 2011 - 2014*

Project preconditions:

- **Once-for-all solution within five year**
- **No permanent equipment that needs maintenance**
- **No permanent monitoring**
- **No stigmatisation**

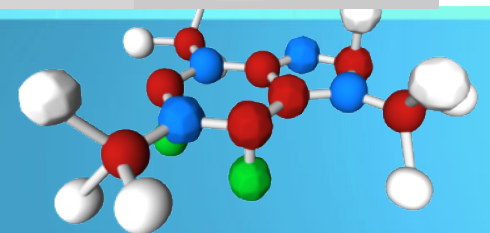
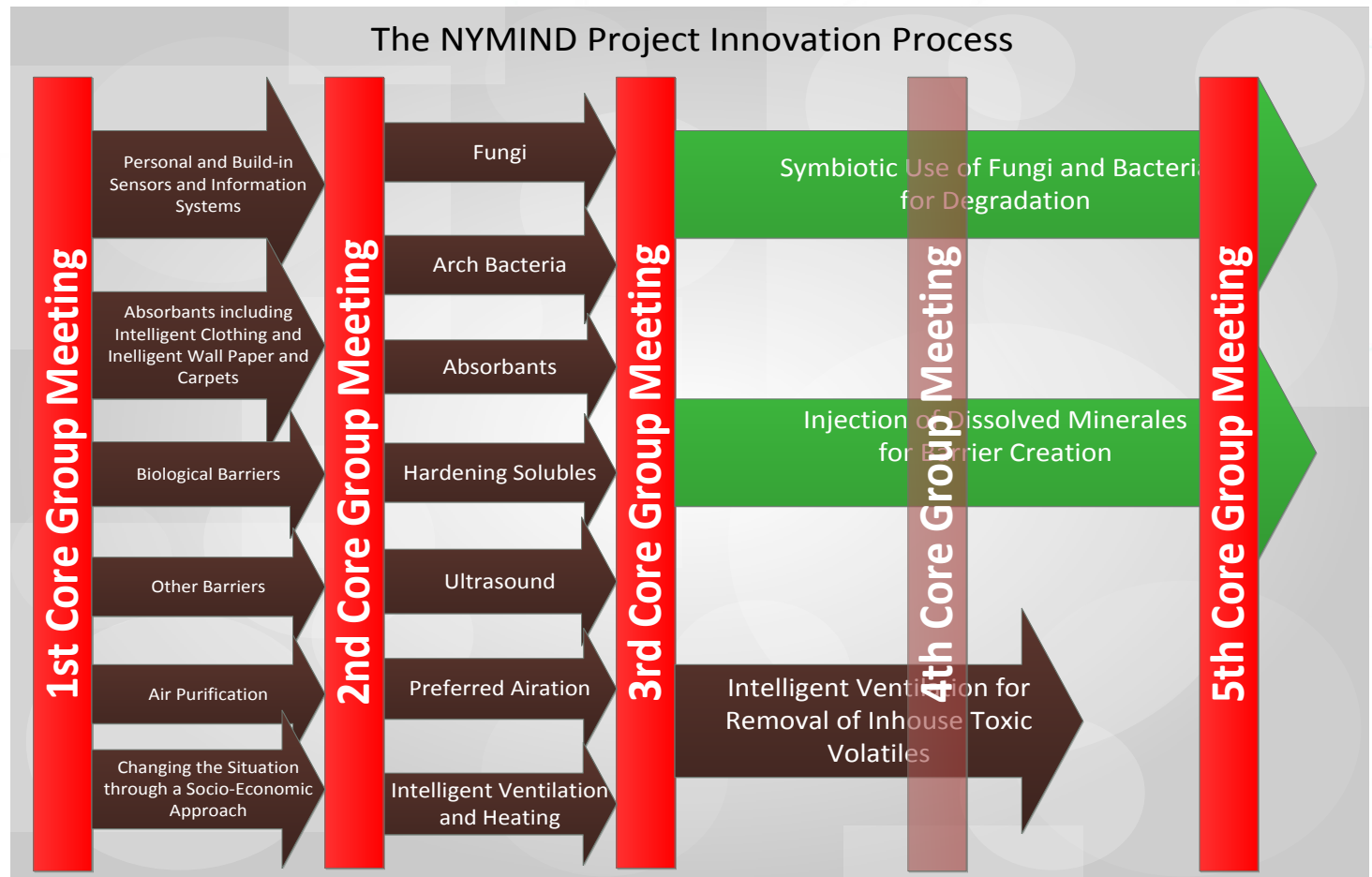


The NYMIND Concept



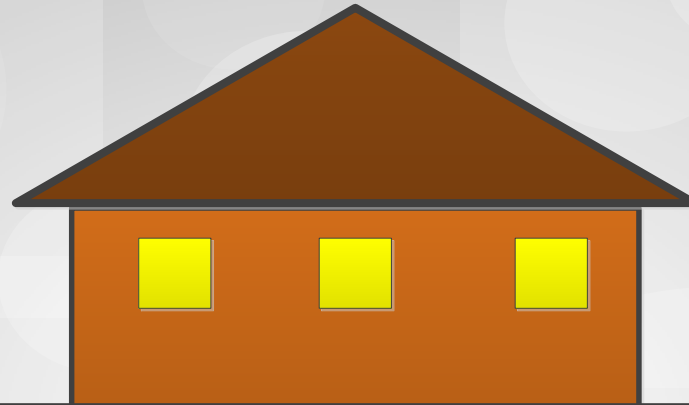


The NYMIND Innovation Process



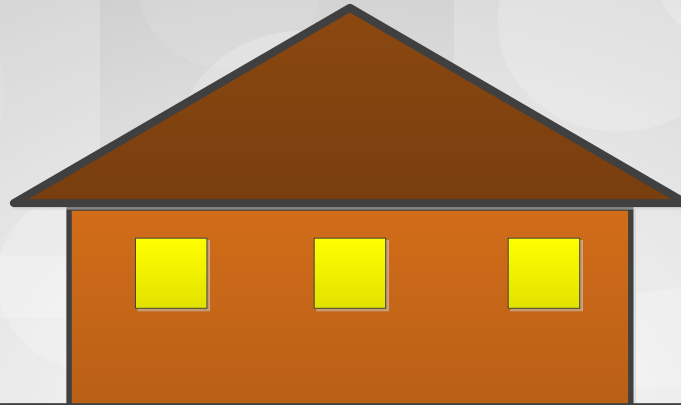
From Innovation Process to Technical Results





The Symbiotic Fungi and Bacteria Degrader

Contaminated Soil/Ground Water



Minerals Barrier



Contaminated Soil/Ground Water

Lessons Learned

- **Untraditional knowledge exchange with universities with non-topic scientists are surprisingly easy to establish and implement.**
- **The phased innovation process, which starts with no limitations in the innovation process, and ends with a screening of the results by topic scientist and experts, is highly successful.**
- **Two solution tracks came out of this process, which did not come out of a traditional university based innovation process.**
- **For scientists within engineering and natural science visualisation is an important facilitator. They do not like sophisticated innovation processes and tools.**
- **Three facilitators are needed: One for the overall process, one for the innovation process, and one for visualisation.**

A new project ALAPUM is under preparation based on the successful lessons learned from the NYMIND Project



ALTERNATIVES TO PUMP AND TREATMENT

Discussion

