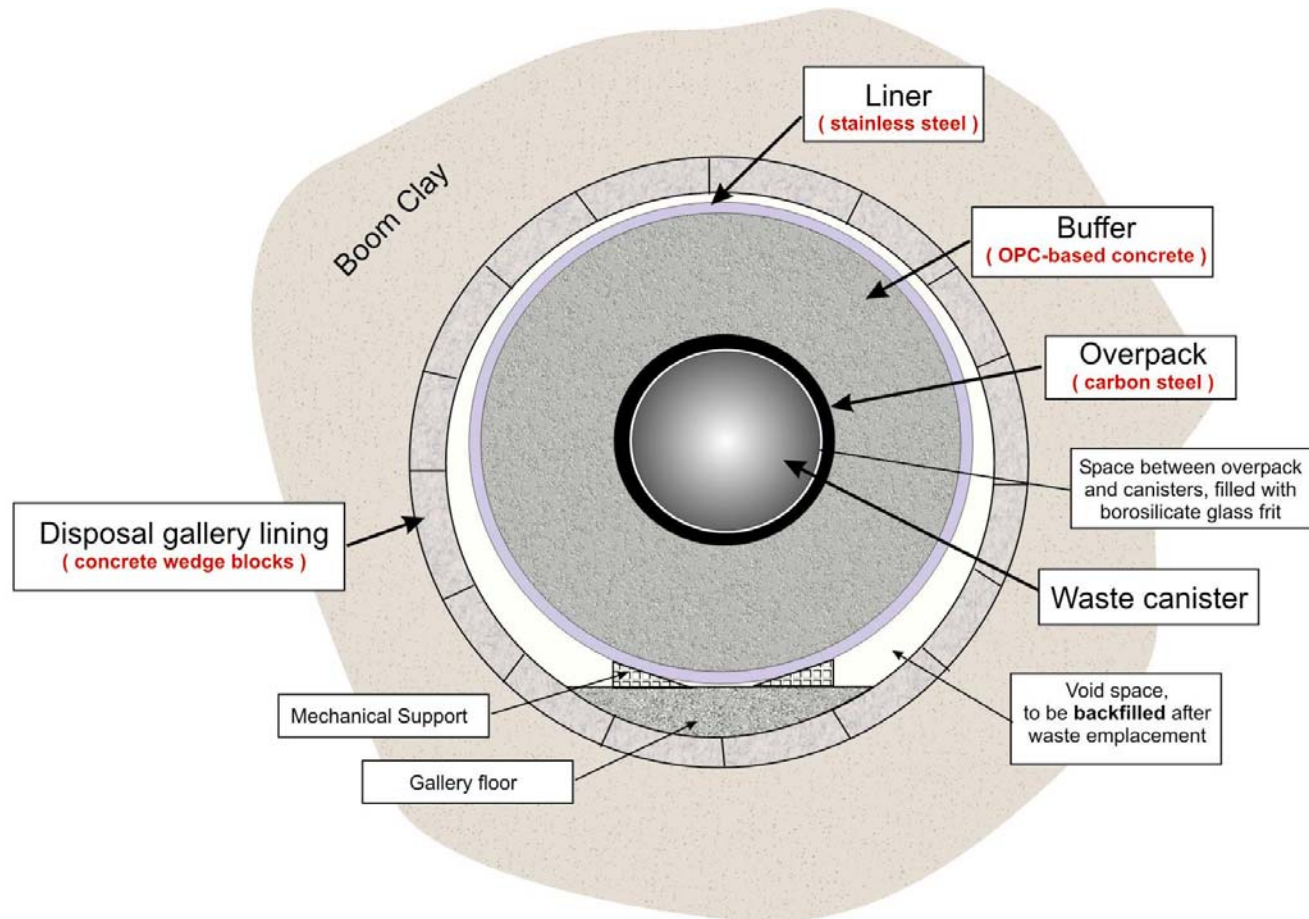


Discussion

Which lessons can we draw from
OPHELIE in view of the new design
and PRACLAY in situ?

Supercontainer with OPC-based buffer; reference design radial cross-section

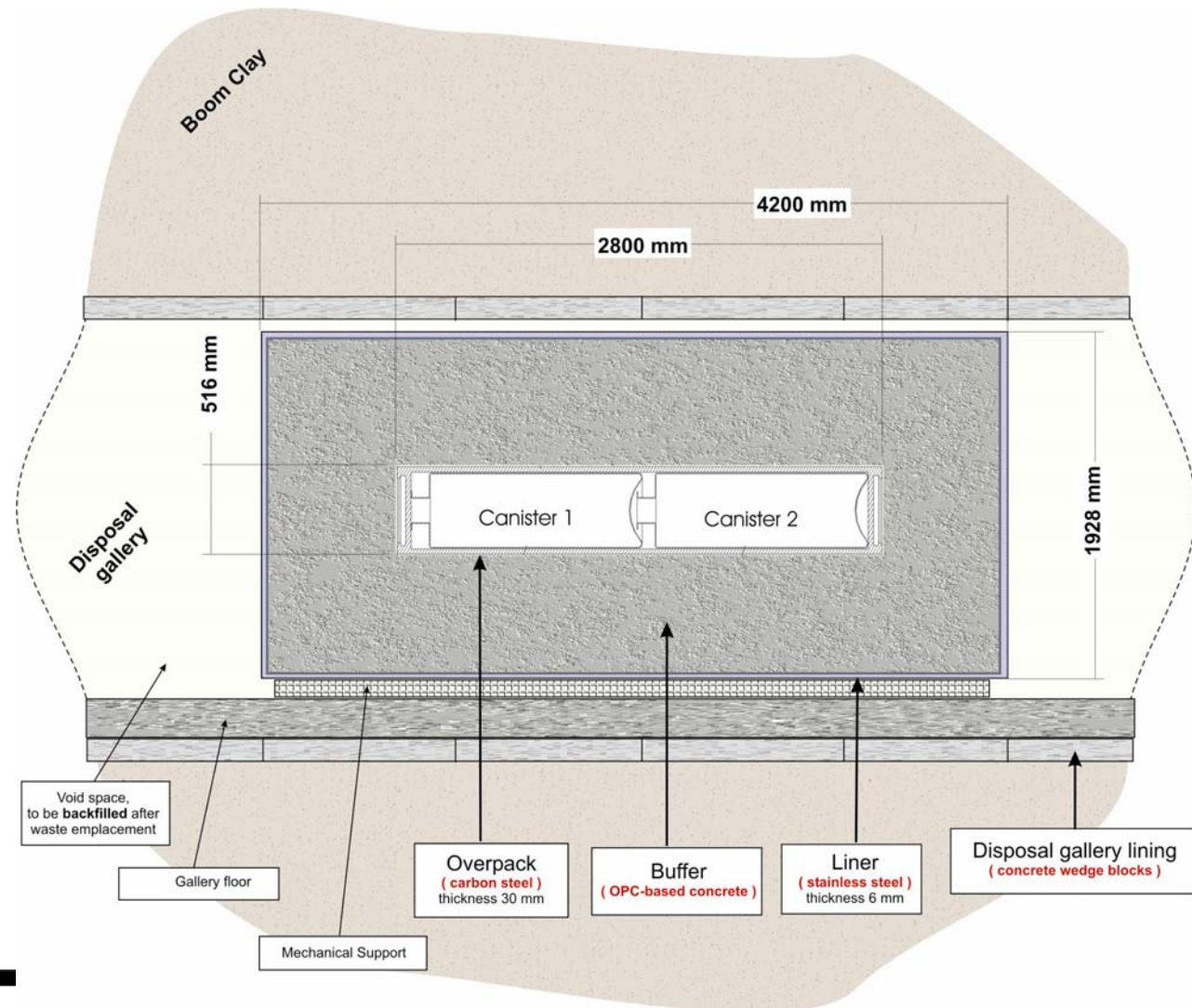


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Supercontainer with OPC-based buffer; reference design axial cross-section



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Discussion items

- Use of bentonite
 - Can it withstand the heat?
 - Will it keep its favourable hydro-mechanical properties?
 - Behaviour of joints?
- Materials, their mixtures and combinations
 - Impurities?
 - Homogeneity, variability, quality control?
 - “stability” of production over time, quality assurance at industrial scale?
 - Which requirements are really needed/realistic?
 - Influence on corrosion?

Discussion items

- Instrumentation and monitoring
 - Influence on material behaviour?
 - Balance risk – confidence - feasibility?
- Bacteria and chemical evolution
 - Presence versus activity?
- Risk of thermal convection
 - Mass transport?