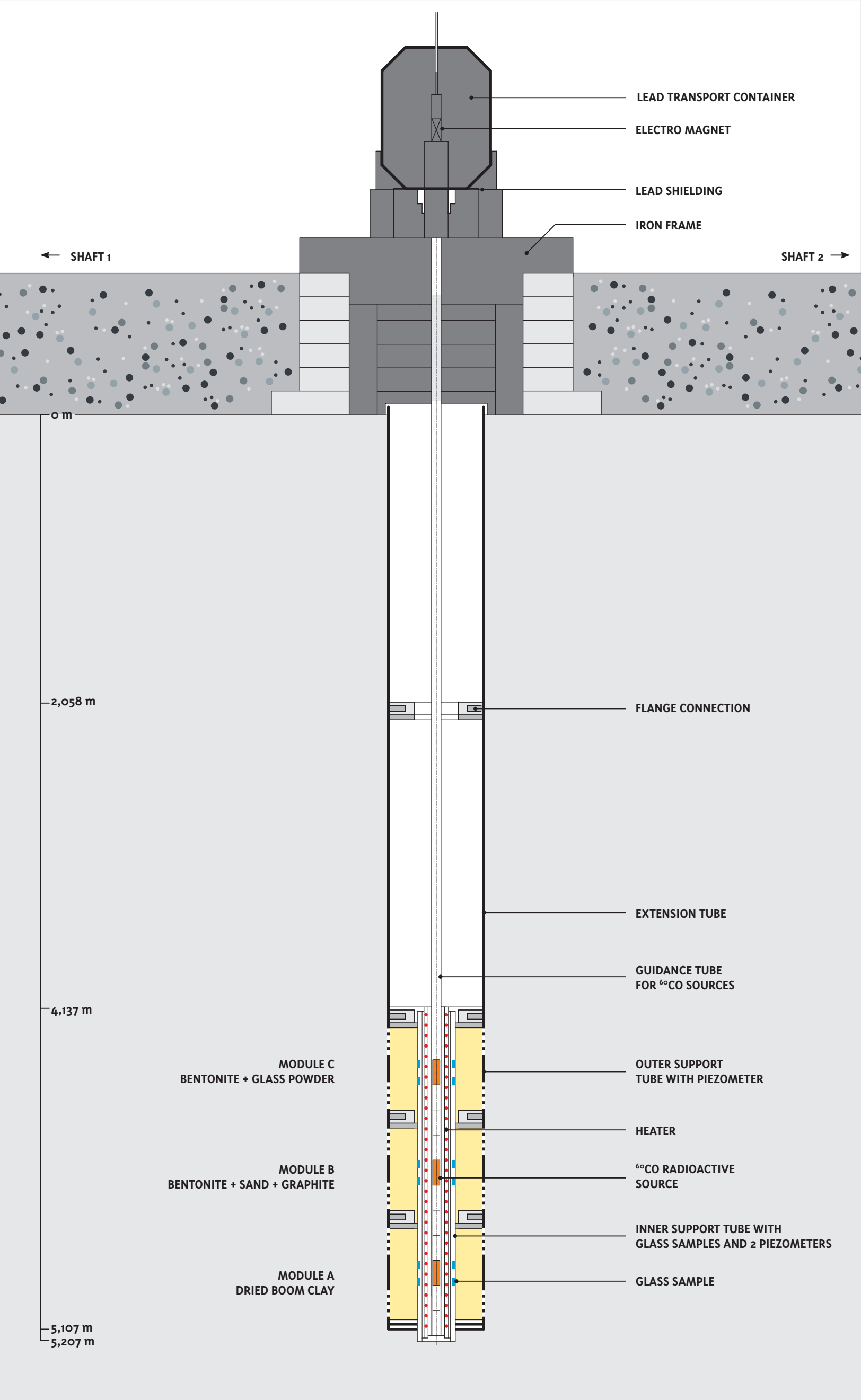
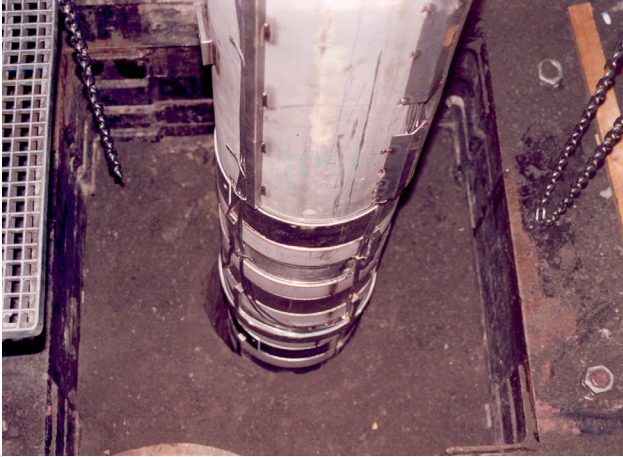


CORALUS III & IV

2001 - 2025

CORrosion of alpha Active glass in Underground Storage conditions



GOAL

Study of the combined effects of radiation, heat and interacting medium on SON68 high-level waste glass behaviour, radionuclide leaching and migration in underground disposal conditions.

CORALUS I (1998 - 1999)
non-radioactive glass samples;
no ⁶⁰Co-sources; 90 °C

CORALUS II (2000 - 2004)
radioactive and non-radioactive glass samples;
no ⁶⁰Co-sources; 30 °C

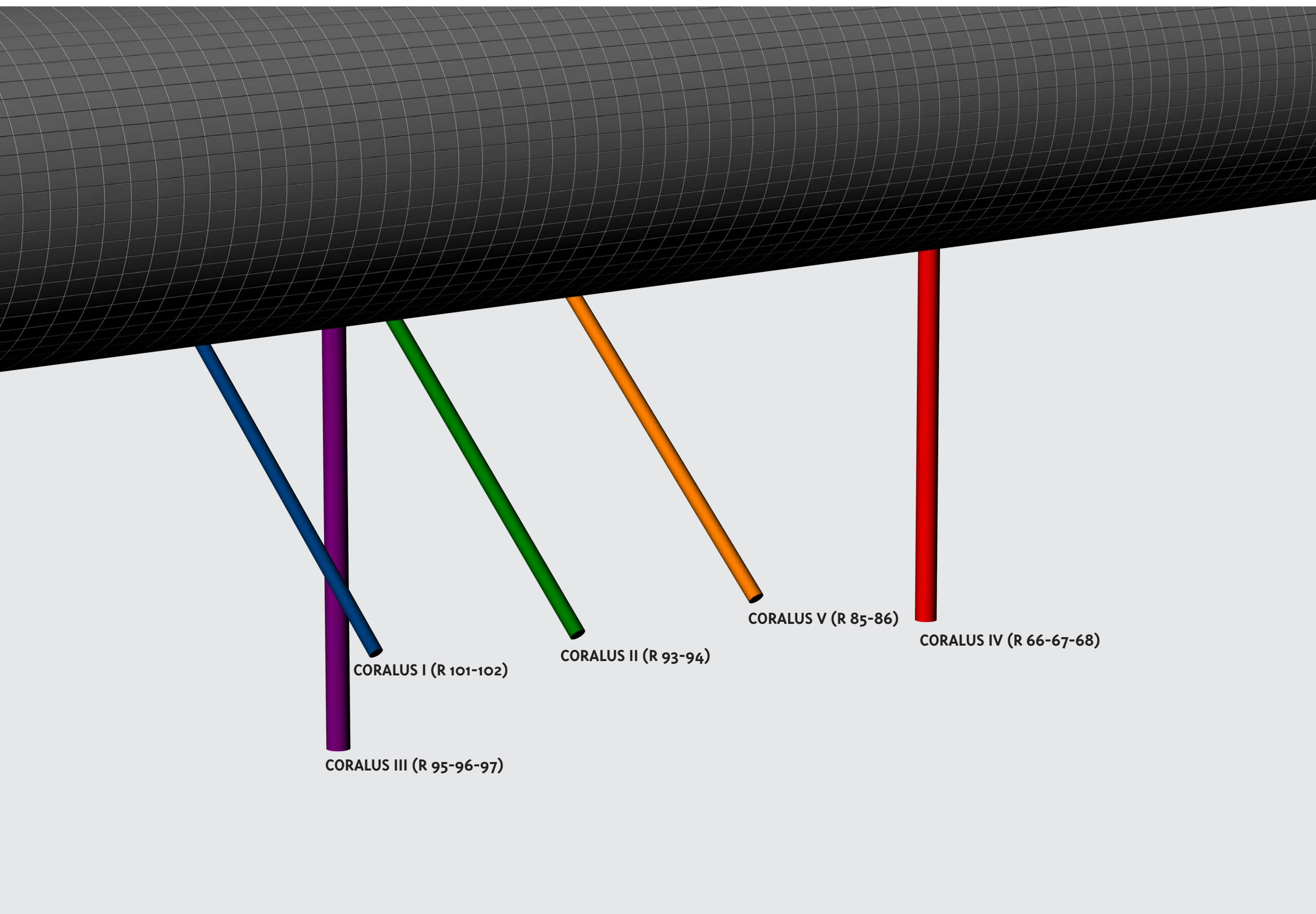
CORALUS III (2001 - 2004)
radioactive and non-radioactive glass samples;
⁶⁰Co-sources; 90 °C

CORALUS IV (2001 - 2009)
radioactive and non-radioactive glass samples;
⁶⁰Co-sources; 90 °C

CORALUS V (2003 - 2025)
radioactive and non-radioactive glass samples;
no ⁶⁰Co-sources; 30 °C



CORrosion of alpha Active gLass in Underground Storage conditions



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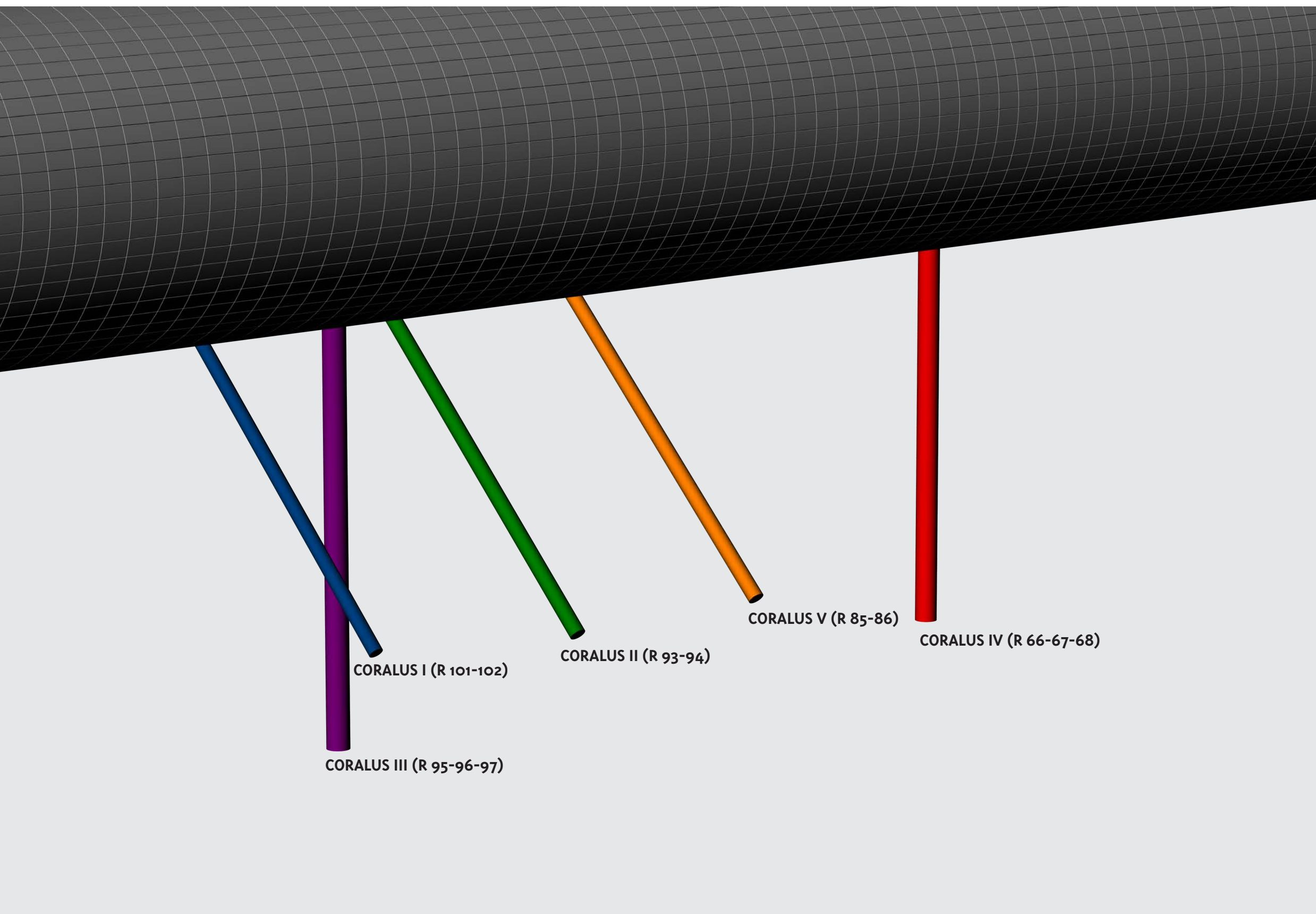
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CORrosion of alpha Active gLass in Underground Storage conditions



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radioactive and non-radioactive glass samples; ^{60}Co -sources; 90 °C

CORALUS V (2003 - 2025)

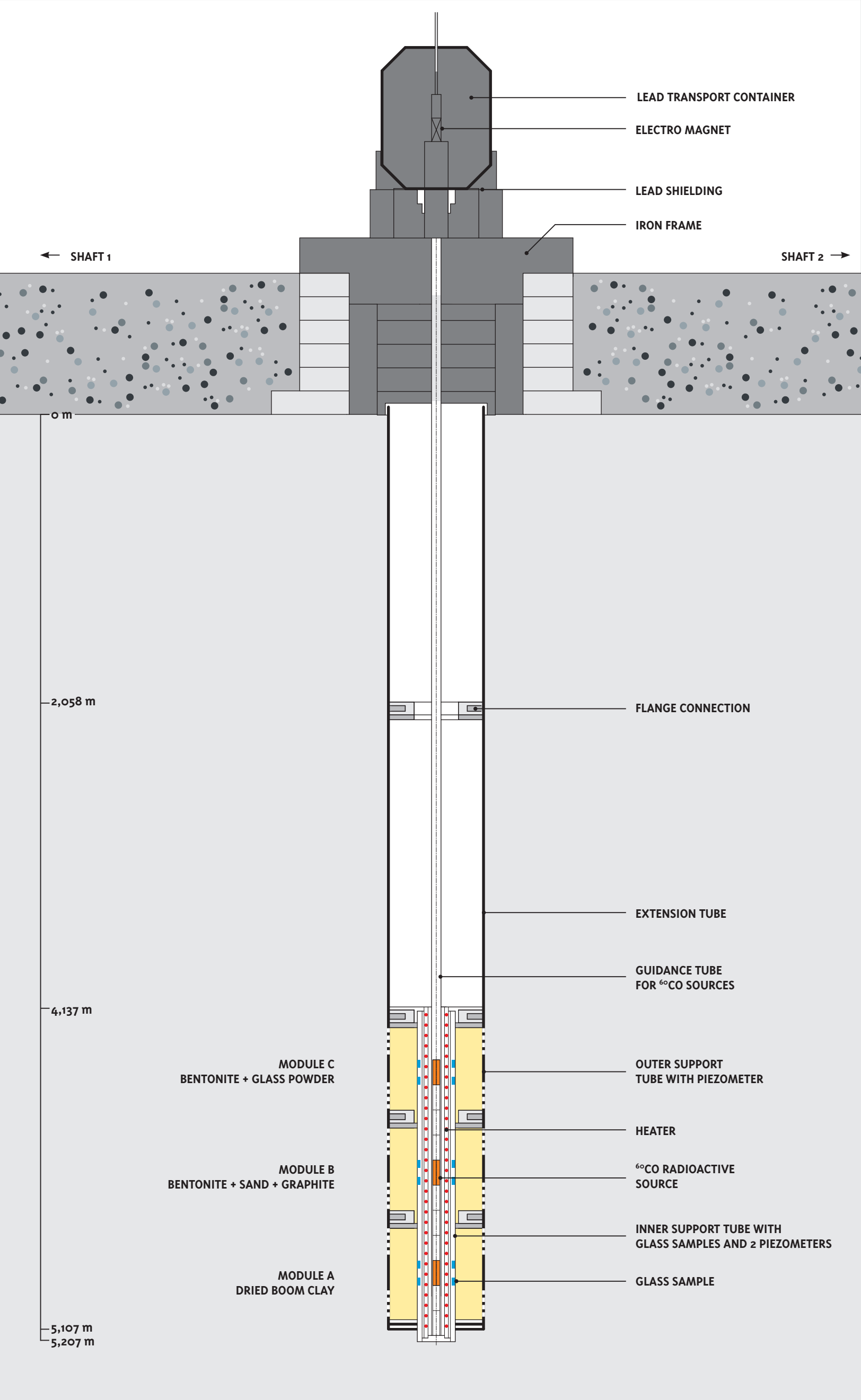
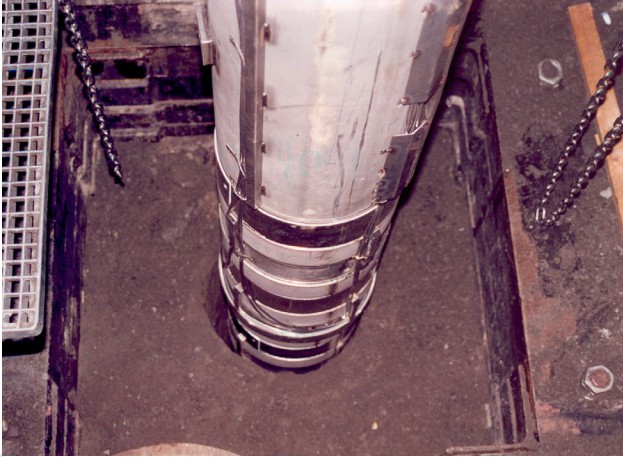
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CORALUS III & IV

2001 - 2025

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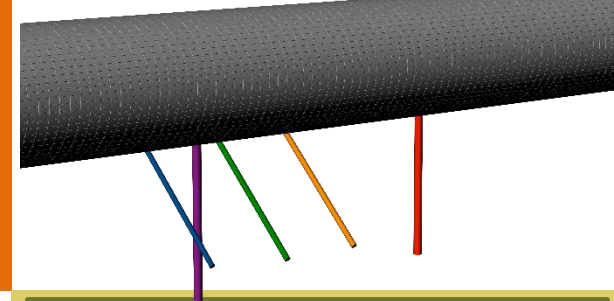
CORALUS III (2001 -2004)
radioactive and non-radioactive glass samples;
⁶⁰Co-sources; 90 °C

CORALUS IV (2001 - 2009)
radioactive and non-radioactive glass samples;
⁶⁰Co-sources; 90 °C

CORALUS V (2003 - 2025)
radioactive and non-radioactive glass samples;
no ⁶⁰Co-sources; 30 °C



CORrosion of alpha Active glass in Underground Storage conditions



GOAL

STUDY THE COMBINED EFFECTS OF RADIATION, HEAT AND INTERACTING MEDIUM ON SON68 HIGH-LEVEL WASTE GLASS BEHAVIOUR, RADIONUCLIDE LEACHING AND MIGRATION IN UNDERGROUND DISPOSAL CONDITIONS

Test tube 1 (1998 – 1999):

non-radioactive glass samples; no ^{60}Co -sources; 90 °C

Test tube 2 (2000 – 2004):

radioactive and non-radioactive glass samples; no ^{60}Co -sources; 30 °C

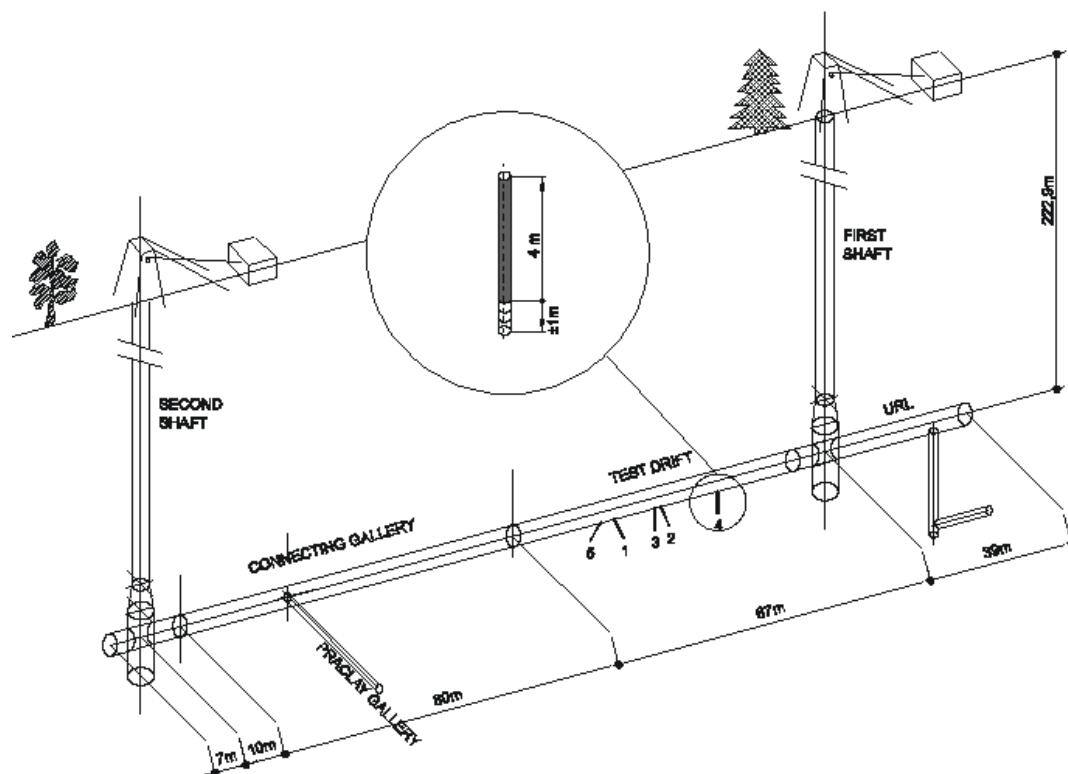
Test tube 3 (2001 -2004):

radioactive and non-radioactive glass samples; ^{60}Co -sources; 90 °C

Test tube 4 (2001 – 2009):

radioactive and non-radioactive glass samples; ^{60}Co -sources; 90 °C

Test tube 5 (2003 – 2025): radioactive and non-radioactive glass samples; no ^{60}Co -sources; 30 °C



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Location of the Test tubes 1 - 6

sck cen



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