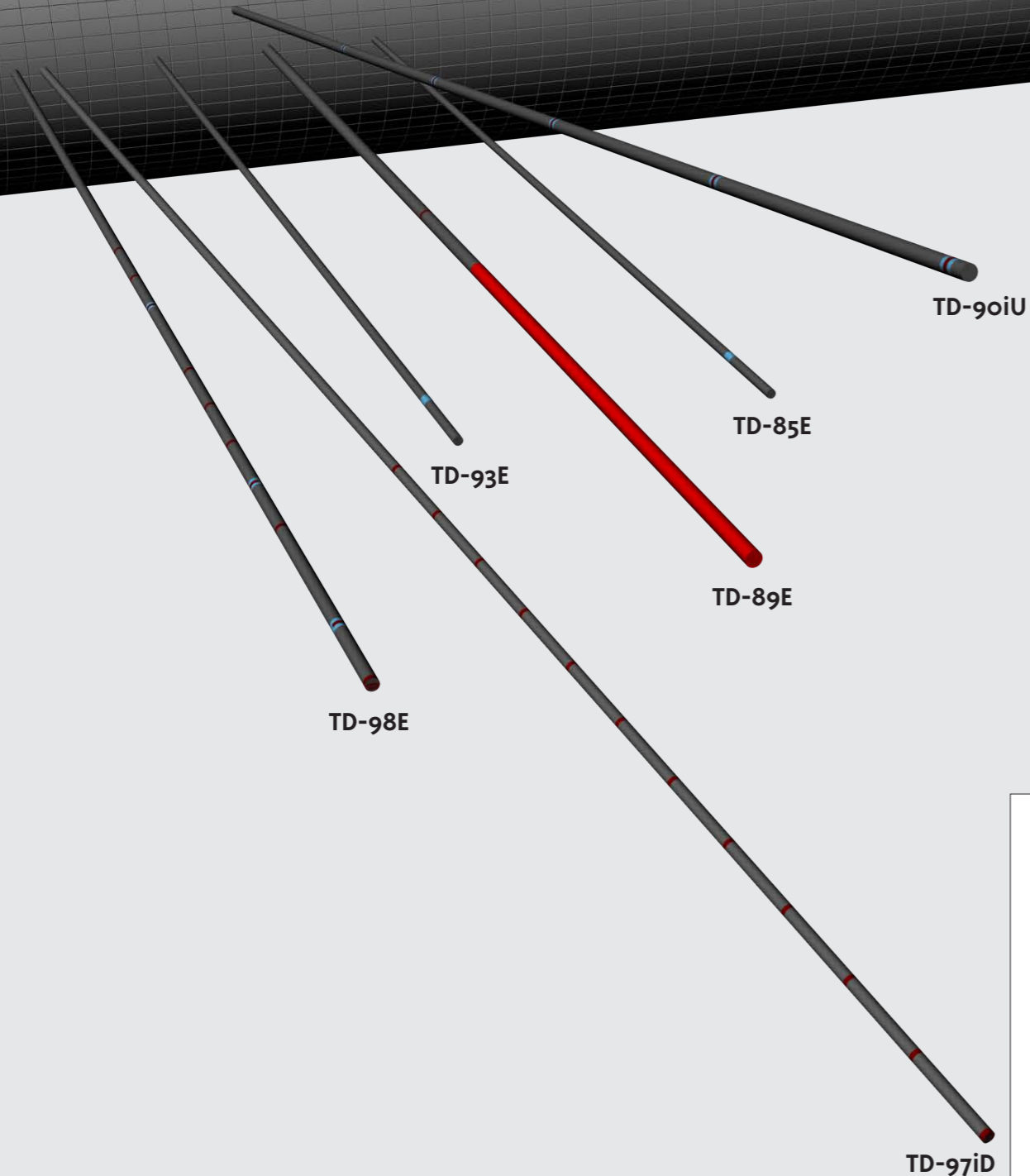


ATLAS I-IV

1992 - 2012

Admissible Thermal Loading for Argillaceous Storage



GOAL

Small-scale study of heat-impact on the thermo-hydro-mechanical properties of Boom Clay.

- 1992**
Installation of heating tube (TD-89E) and instrumented boreholes (TD-85E & TD-93E)
- 1993 - 1996: ATLAS I heating phase**
- 1996 - 1997: ATLAS II heating phase**
- 2006**
Installation of instrumented boreholes TD-97iD en TD-98E
- 2007 - 2008: ATLAS III heating phase**
- 2010**
Installation of additional instrumented borehole TD-90iU
- 2011 - 2012: ATLAS IV heating phase**

COMPARISON OF MEASURED AND MODELLED VALUES OF T AND PWP (ATLAS III & IV) REVEALED THE ANISOTROPIC THM PROPERTIES AND COUPLED BEHAVIOUR OF THE BOOM CLAY.

