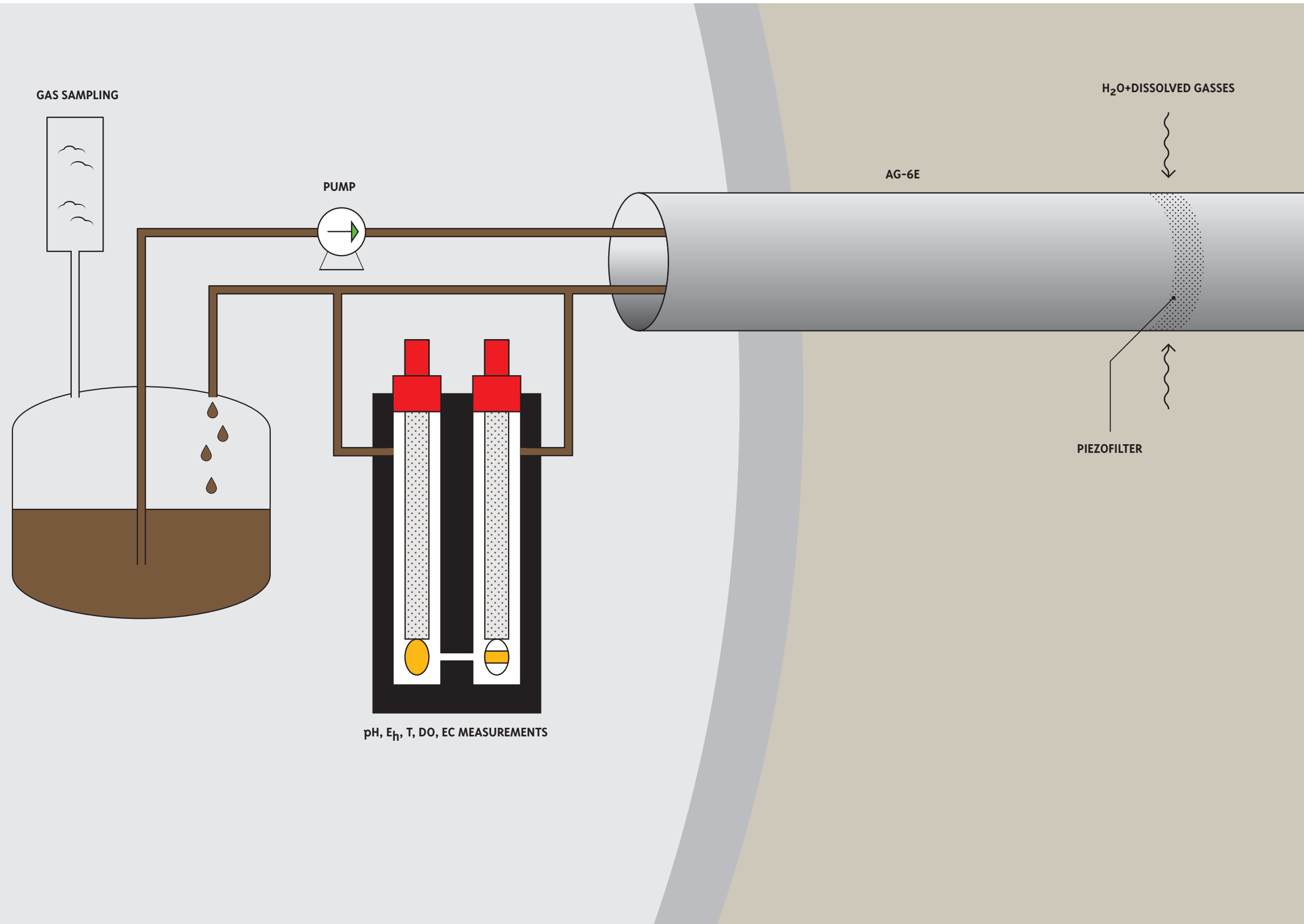


Partial pressure Evolution of dissolved GASEs in real Underground Situations



GOAL

Design and construction of an experimental setup able to measure in situ pCO₂.

STAINLESS STEEL EXPERIMENTAL SET-UP (AG-6E) DESIGNED TO ALLOW GAS/LIQUID EQUILIBRIUM. THE CARRIER GAS (Ar) IS CONTACTED WITH BOOM CLAY PORE WATER (BCPW) AT THE LIQUID/GAS INTERFACE INSIDE A STAINLESS STEEL BARREL. THIS BCPW CIRCULATES AND EQUILIBRATES WITH BOOM CLAY THROUGH THE PORES OF THE PIEZOMETRIC FILTERSCREEN.

SIMULTANEOUS MEASUREMENTS OF PARAMETERS SUCH AS pH, DISSOLVED OXYGEN, EC, E_h AND TEMPERATURE