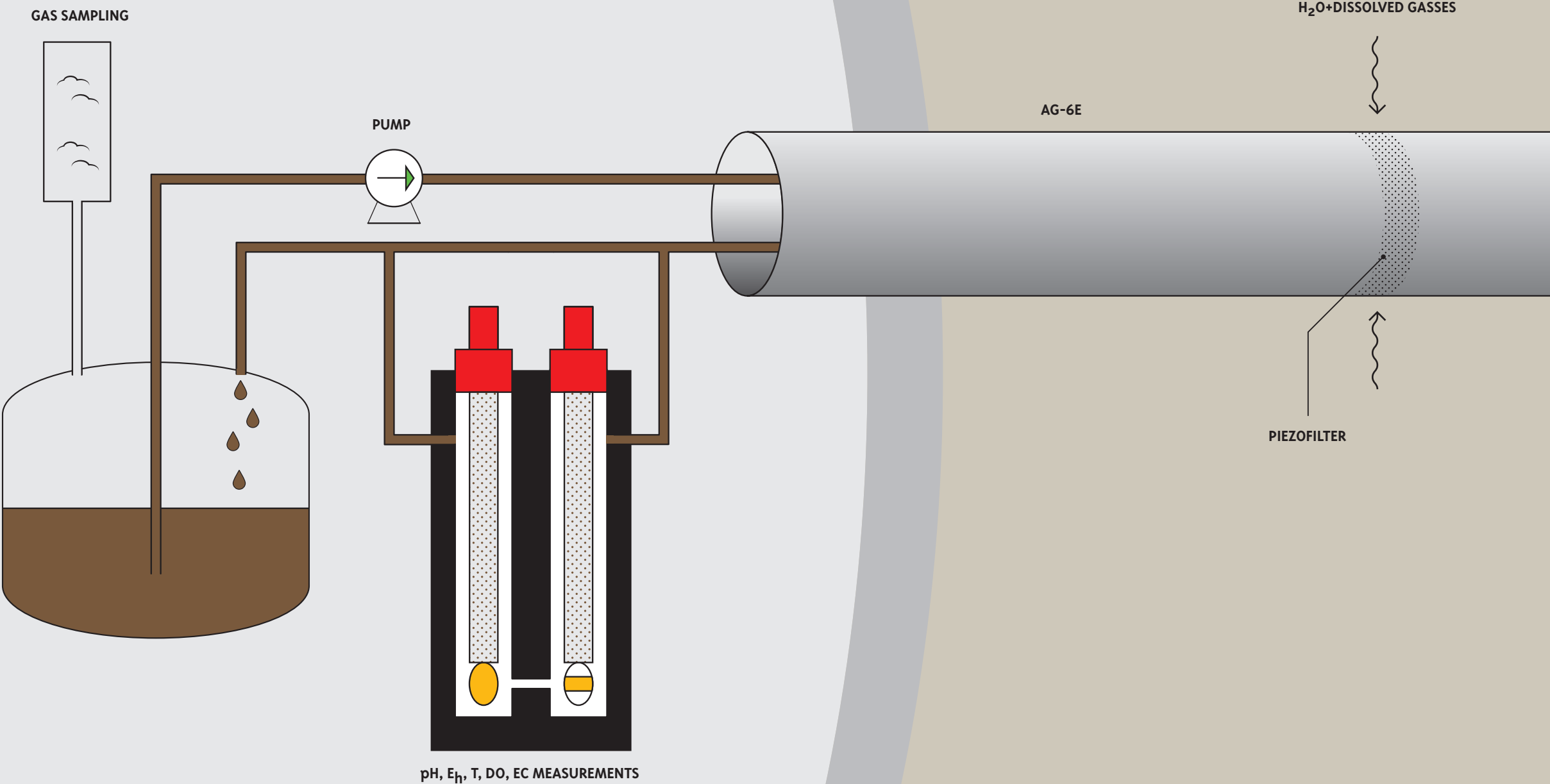


Partial pressure Evolution of dissolved GASEs
in real Underground Situations



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