

Hydrogeology Consultant

Experience Hydrogeology, conceptual and numerical Groundwater modelling water fluxes (saturated and non-saturated flux)

Education Civil Industrial Engineer, Hydraulic, 2016
Pontifical Catholic University of Chile

Professional Experience

2022 – Present *Itasca Chile, Santiago, Chile*
Hydrogeology consultant

2020 – 2022 *WSP Consulting Chile, Santiago, Chile*
Project Engineer

2017 – 2020 *Arcadis Chile S.A, Santiago, Chile*
Junior Engineer

2016 – 2017 *DICTUC S.A, Santiago, Chile*
Project Engineer

Academic Experience

2014 – 2015 *Assistant professor:*
Groundwater contamination (ICH3254)
Fluid Mechanics (ICH1104)

Project Experience

Construction and calibration of groundwater models of saturated and non-saturated flux in MODFLOW-USG, Hydrus 2D/3D. Conceptual models for environmental purposes (mining) and infiltration models.

Publications

- Sandoval V. et al. “Porous Media Characterization to Simulate Water and Heat Transport through Green Roof Substrates.” *Vadose Zone Journal* Vol 16, Issue 4, April 2017, pp. 1 - 14
- Sandoval V. and Suárez F. “A New Method to Determine How Compaction Affects Water and Heat Transport in Green Roof Substrates”, *Applied Sciences* Vol 9, Issue 21, November 2019.