



# CURRICULUM

## Laura Scheiber Pagès

2011 – Today. IDAEA Institute of Environmental Assessment and Water Research, Spanish Research Council (CSIC), Barcelona, Spain.

### PERSONAL DATA

**Data of birth:** 01/04/1982

**Place of birth:** Spain

**Affiliation:**

- IDAEA Institute of Environmental Assessment and Water Research, Spanish Research Council (CSIC), Barcelona, Spain
- Hydrogeology Group (GHS), Technical University of Catalonia (UPC), School of Civil Eng., Department of Geotechnical Eng. and Geo-Sciences, Barcelona, Spain

**Telephone:** +34934006100 Ext. 1435

**E-mail:** [scheiber.ls@gmail.com](mailto:scheiber.ls@gmail.com)

+34 678730225

### FORMATION

- 2013 – Present. PhD studies at Technical University of Catalonia (UPC). Advisors: Dr. Carlos Ayora and Enric Vázquez Suñé. Title: Groundwater management in the proximity of a mine site
- 2012. Groundwater master at Technical University of Catalonia (UPC)
- 2011. International groundwater course (CIHS). Fundacion Centro. Internacional de Hidrología Subterránea
- 2010. Environmental Management master. Bureau Veritas.
- 2009. Degree in Geology at Universidad Autónoma de Barcelona (UAB).

### DOCTORAL AND POSTGRADUATE COURSES

- Applied geostatistics
- Flow and transport modeling in porous media
- Hydrogeochemical modelling
- Geographic Information Systems (GIS).
- Reactive transport.
- Interaction between groundwater and civil Works
- Variable density and multiphase flow
- Master thesis tutorial
- Master thesis defense

## PUBLICATIONS

**Laura Scheiber**, Carlos Ayora, Enric Vázquez-Suñé, Albert Soler, Lola Yesares, José Miguel Nieto (2014). Groundwater-Gossan Interaction at the Las Cruces Ore Deposit (SW Spain). *Macla* 19, Sociedad Española de Mineralogía

**Scheiber, L.**, Ayora, C., Vázquez-Suñé, E., Cendón, D. I., Soler, A., & Baquero, J. C. (2016). Origin of high ammonium, arsenic and boron concentrations in the proximity of a mine: Natural vs. anthropogenic processes. *Science of the Total Environment*, 541, 655-666. IF: 3.889

**Scheiber, L.**, Ayora, C., Vázquez-Suñé, E., Cendón, D. I., Soler, A., Custodio, E., & Baquero, J. C. (2015). Recent and old groundwater in the Niebla-Posadas regional aquifer (southern Spain): Implications for its management. *Journal of Hydrology*, 523, 624-635. IF: 3.976

J. Carlos Baquero, M<sup>a</sup> José de los Reyes, Emilio Custodio, **Laura Scheiber** and Enric Vázquez-Suñé (2016). Groundwater Management in Mining. The Drainage and Reinjection System in Cobre Las Cruces. *Modern Environmental Science and Engineering*. IF: 0.4

**Laura Scheiber**, Carlos Ayora, Enric Vázquez-Suñé, Albert Soler (2017) Groundwater-Gossan Interaction and the Genesis of the Secondary Siderite at Las Cruces Ore Deposit (SW Spain) *Ore geology reviews*. IF: 3.819. SUBMITTED

**Laura Scheiber**, Carlos Ayora and Enric Vázquez-Suñé (2017). Quantification of the proportion of water from different sources in a mining operation. *Science of the Total Environment*. IF: 3.976. SUBMITTED.

## COMPLEMENTARY ACTIVITY

- Doctoral stay in: Australian Nuclear Science and Technology Organisation (ANSTO) Sydney, AUSTRALIA. Data: 24/02/2015 to 24/05/2015.
- Teaching in: "Gestión Medioambiental en la Industria" Organized by: Fundación Migres, Sevilla, Spain. Time: 10 hours.
- Teaching in: Internacional Groundwater course (CIHS). Organized by: FCIHS, Barcelona, Spain. Time: 4 hours.
- Teaching in : Capacity Building Activity del Proyecto « Water harvesting and Agricultural techniques in Dry lands: an Integrated and Sustainable model in MAghreb Regions (WADIS-MAR), Módulo: Hydrogeochemistry. Organized by: Fundació Bosch i Gimpera, Barcelona, Spain. Time: 4 hours.

## CONFERENCES

- 2014** | **Laura Scheiber**, Carlos Ayora, Enric Vázquez-Suñé, Albert Soler, Lola Yesares, José Miguel Nieto. Groundwater-Gossan Interaction at the Las Cruces Ore Deposit (SW Spain). SEM 2014, XXXIV Reunión Científica de la Sociedad Española de Mineralogía. 2-7 July de 2014, Granada. Oral presentation.
- 2014** | **Scheiber, L.**, Ayora, C., Vázquez-Suñé, E., Cendón, D. I., Soler, A. and Baquero, J. C. Importante papel de la geoquímica y de los procesos de mezcla en la datación de las aguas subterráneas del acuífero Niebla-Posadas en el entorno de Gerena, sur de España. II Congreso Ibérico de las aguas subterráneas. 8-10 September 2014, Valencia. Oral presentation.
- 2015** | **Scheiber, L.**, Ayora, C., Vázquez-Suñé. Groundwater management in the proximity of a mine site: Cobre Las Cruces (Spain). 1st Meeting of Young researchers from IDAEA-CSIC. 22 October 2015, Barcelona. Oral presentation.
- 2015** | **Scheiber, L.**, Ayora, C., Vázquez-Suñé, E., Cendón, D. I., Soler, A. and Baquero, J. C. Origen de las altas concentraciones de amonio, arsénico y boro en el acuífero Niebla-Posadas en la proximidad de la actividad minera de Cobre Las Cruces (Gerena-Sevilla). SIAGA, 4-6 November 2015, Málaga. Oral presentation.
- 2016** | **Laura Scheiber**, Carlos Ayora, Enric Vázquez-Suñé and Claudia Valdés. Aplicación de métodos estadísticos multivariantes para la gestión de las aguas subterráneas en zonas mineras. 50 aniversario CIHS, 12-13 May 2016, Barcelona. Poster presentation.
- 2016** | **Laura Scheiber**, Carlos Ayora, Enric Vázquez-Suñé and Albert Soler. Groundwater-Gossan interaction and the genesis of the siderite rock at the Las Cruces Ore Deposit. American Geophysical Union (AGU), 12-16 December 2016, San Francisco. Poster presentation.
- 2016** | Dioni I Cendon, Stuart I Hankin, Cath E Hughes, Karina Meredith, Mark Peterson, **Laura Scheiber** and Yuta Shimizu. A Nine-year Record of Groundwater Environmental Tracer Variations in a Weathered Sandstone Plateau Aquifer. American Geophysical Union (AGU), 12-16 December 2016, San Francisco. Oral presentation.