



# Julio Bruna Novillo

PhD, MBA, FAusIMM (CPGeo) – Principal Geologist, Consultant and Advisor Technical

## Profession

### Geologist

## Education

### PhD in Geology

Universidad Nacional de Catamarca, Argentina.

2014 – 2019.

### Master in Business Administration

(ESEADE–Escuela Superior de Economía y Administración de Empresas, Bs. As., Argentina), 2006-2007.

### Geologist

Universidad Nacional de Córdoba, FCEFyN, Argentina.

1986-1993.

## Professional Register

**Canadian Institute of Mining, Metallurgy and Petroleum.** Member CIM # 152176. 2011 to date

**Australasian Institute of Mining and Metallurgy.** Fellow AusIMM # 992246 CP (Geo) (Member Chartered Professional in Geology). 2008 to date.

**Society Economic Geologist.** Fellow SEG # 104383. 2004 to date. Mentoring Prog. Advisor Academic SEG Student Chapter UNC.

**Colegio Profesional de Geólogos de Córdoba.** Professional Registry: M.P. N° A-759. 1993 to date.

## Specialization

Economic geology, geological modeling, sampling, QA/QC, database, drilling, grade control, mineral resource exploration/assessment.

Leadership Development Program Facilitator (LDP). 4 modules (Leadership, Coaching and Performance Evaluation, Planning & Delegation and Communication).

## Expertise

Chartered geologist and AusIMM Fellow CP (Geo), with more than 28 years of experience as a Principal Geologist in Exploration, Production, and Consulting. I can communicate a vision and demonstrate confidence that targets were being met on schedule and budget, with sound decision-making capabilities. These skills have led me to various management positions and experience in countries such as Argentina, Peru, Chile, and Panamá. My work experience includes 10 years as an exploration geologist for gold and base metal deposits, 10 years as a mine geologist in open-pit mining, and more than 8 years as a consulting geologist working in base metals, precious metals, and lithium brines.

### **Mineral Resources Geologist with solid geological experience and extensive knowledge in:**

- Strong commitment demonstrated in environment, communities and safety of the daily work with contractors.

-Integration of the mining process at different stages: from greenfield-brownfield exploration, PEA, pre-feasibility and feasibility studies to mine production.

-Strong Leadership and good management skills of geological studies in phases of PEA, pre-feasibility and feasibility according to international standards (JORC, NI 43-101), including geotechnical studies, metallurgical and hydrogeological for the development of the project (Projects: Bajo de la Alumbrera, Bajo El Durazno, and Agua Rica).

-Technical review and audit the basics of recoverable resources model: sampling (database, QA/QC) and 3D geological model (Projects: Buena Fortuna, Salar de Llullaillaco, Peñas Negras, Virginia (Argentina), Cobre Panamá (Panamá), Zafranal, Antamina, Las Bambas, Raúl-Condestable (Perú), Spence, y Los Bronces UG (Chile).

-Geological Model of deposits epithermal and porphyry Cu-Au-Mo, using field observations and drill cores (La Cabeza, Bajo de La Alumbrera, Bajo El Durazno, Bajo San Lucas, Bajo Las Pampitas (Argentina), Zafranal y Raúl-Condestable Perú).

-Design, management, and execution of drilling programs. Training, leadership, management, and supervision of work teams.

- Financial management and budgeting skills. Preparation and cost analysis, planning and implementation of budgets, and estimated (CAPEX, OPEX).

-He has been a professor at the National University of Córdoba, Argentina for twenty years and is the author of 2 chapters of the book "Drilling Manual for Geologists and Engineers": Chapter 5: "Drilling Mud" and Chapter 13: "Mining Drilling". Published in 2016, Ed. Eduvin.

