



*Consolato Generale d'Italia
Johannesburg*



Italian Research Day in the World

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Lorenzo Milani

Associate Professor in Geology

UNIVERSITY OF PRETORIA



Degree in Geological Sciences from the University of Ferrara, where he then obtained his PhD with a study on the **metallogenic potential of the volcanic complex** of the Euganean Hills in north-eastern Italy.

After a post-doctoral period in the United States, he carried out research activities at the University of Ferrara, focusing on the study of volcanism in the Mediterranean area.

In 2011 he moved to South Africa at the University of the Witwatersrand where, with a post-doctoral research contract, he worked on a project on the metallogenic province ranging from northern Namibia to Zambia through Botswana. In 2019 he obtained a position as **'senior lecturer' at the Department of Geology of the University of Pretoria, and since 2024 he is an associate professor** at the same university. In his research, he deals with metallogenesis and magma deposits, and works mainly on resources such as copper, nickel and platinoids.

INNOVATION: *Milani has been involved in project management with international teams in the economic geology sector, providing opportunities for new business development and marketing interventions through **examination and interpretation of complex data via application of BI governance processes**.*

He developed analytical solutions through data analysis whilst maintaining a focus on key strategic project goals, cleaning and analyzing large amounts of data staged in relational databases, by implementing ETL procedures through data storage supports (Microsoft SQL Server, SQLite) and integrated development environment platforms (SSIS through Visual Studio).