

Each month we will be shining the spotlight on a different ASEG member. This week we get to know our new President, Marina Costelloe.

What is your current role?

Section Leader Seismic and Magnetotellurics at Geoscience Australia in Canberra. It's a very exciting time to be in this role with the Exploring for the future, a \$100 million program that is aimed at boosting exploration investment in Australia's resources sector using new exploration techniques, new data processing and modelling codes and innovative ways of integrating and interpreting data. Our team is undertaking large scale data acquisition, processing and modelling programs like AusLAMP magnetotelluric, AusARRAY passive seismic (northern component) and long deep crustal seismic lines in SE Lachlan (Vic.), South Nicolson (Qld.) and Kidson (W.A.). I also enjoy working closely with the State Geological Surveys, Industry, Auscope and ANSIR. I am the current ASEG President, what a great honour.

How long have you been a geophysicist for?

I studied geophysics at Sydney University in the early 1990's and worked for Geoterrex. I completed my Masters in 2002 and have been a geophysicist or worked with geophysicists my whole career apart from about 5 years where I explored a few other opportunities including Finance (Perpetual Trustees Sydney) and IT (Ecobiotics in Queensland).

What do you like most about being a geophysicist?

Good quality geophysical data is beautiful, sometimes I look at a brand new dataset over an area where no or limited geophysics has been collected and I feel like I have found a new continent, or a long lost treasure. Travelling is a nice by-product too, I have worked in Canada, New Zealand, Malaysia, Singapore and just about everywhere in Australia (except Kalgoorlie and surrounds which is a bit strange). I also like having an impact, and geophysical data has a direct impact in the way companies invest in Australia and how they go about exploring.

If you weren't a geophysicist what would you be?

An orchestra conductor.

What is your best interview tip?

Do your research, know the company, know their projects, speak to their staff and ask questions before you go to the interview. Do a couple of trial interviews before you attend the interview and check your resume and cover letter contain all the relevant information and no typos. Ask for help.

Where was your best sunrise location?

BHP Yarrie minesite in the Pilbara.

