



The Value of Geoscience Mentorship

The Next Generation Explorers Award (NGEA™) Association recognizes mentorship as a highly rewarding process and an integral part of our international geoscience challenge.

Victoria Tschirhart, President of the NGEA™ Association, is well-acquainted with how a good mentor can help a team with perspective, access to industry experts and opportunities to review their progress and outcomes.

She wished to share her perspective with our participants and global audience:

"Having participated in and won the first iteration of the Frank Arnott Award in 2017, I know firsthand how important mentorship can be to competing students. My team was fortunate to be under the mentorship of Dr. Eric de Kemp, one of my colleagues at the Geological Survey of Canada who specializes in 3D modelling. As early-career scientists working on a new ore system, my team appreciated Dr. de Kemp's efforts to expose us to new ideas, new ways of thinking and reminders to consider different modelling procedures and techniques. Dr. de Kemp even introduced us to his student who later became one of our team members after recognizing she would bring a unique set of skills to our team.

In my experience, mentorship is a fantastic opportunity to have an open line of communication with someone who wants to see you grow both as a person and as a professional in your field of study, and is willing to provide guidance, feedback and advice along the way. At NGEA™, we are pleased so many of our sponsors and geological surveys have stepped up as mentors to support the next generation of geoscientists. I encourage every team to make use of this network!"

Thank you to all our mentors for their continued support of the award! To learn more about mentorship, please [visit our website](#).



Hudbay Minerals to Provide Mentorship for Teams Using the Creighton - Flin Flon Dataset

Hudbay Minerals, a diversified mining company with a focus on Volcanogenic Massive Sulphide and Porphyry Copper deposits, is offering participating NGEA™ teams access to their geologists, geophysicists and geochemists for mentorship on the Creighton - Flin Flon dataset.

"Hudbay has been operating in the Flin Flon - Snow Lake region, for over 100 years and has successfully mined over 29 deposits in the region with 19 of them being

discovered by Hudbay exploration staff," said Neil W. Richardson, Director of Exploration - MBU, Hudbay Minerals Inc. "Eight deposits were found by prospecting (early discoveries), seven were found utilizing geological-based exploration approaches and 14 were discovered using airborne / ground geophysical techniques.

In 2019, we found the 1901 deposit located in Snow Lake, just 2 km from the Lalor / Chisel orebodies. This discovery was a combination of geological modelling and geophysical techniques utilizing 3D software and state-of-the-art electromagnetic geophysical equipment. Evidence that looking in the "Shadows of Headframes," you still can find some hidden gems."

If your team is working on the Creighton - Flin Flon dataset and would like to request mentorship, please email us: nextgenerationexplorersaward@gmail.com.



Geologic Surveys Offer to Mentor Student Teams

The Geological Survey of Canada, the Geological Survey of Ireland, and the Geological Survey of New South Wales have graciously offered their geoscientists and geophysics as mentors to teams working on their datasets.

The Geological Survey of Canada is available to work with teams on the Yukon Plateau, Quesnel Trough and Creighton-Flin Flon datasets.

The Geological Survey of Ireland has offered their help to teams working on the Tellus Programme.

The Geological Survey of New South Wales is available to assist teams working on the Broken Hill project area. They would also like to remind teams that new [AusLAMP MT data](#) is available and that the Mundi AEM data will be released soon.

If your team is working on any of these datasets and would like to request mentorship, please email us: nextgenerationexplorersaward@gmail.com.



Welcome 'Team Create' to the 2022 Frank Arnott - Next Generation Explorers Award!

Sixteen teams have joined this year's NGEA™ so far with more universities lined up to participate! Please welcome members of Team Create from the University of Ottawa: Katherine Power, Liam Maw, Taylor Tracey Kyrlyluk, Marc Lorin Faßbender, Christopher Galley and Ryley Penner.

This year's challenge features a **grand prize of CAN\$5000** for the team with the highest judges' score. Three new prize categories of **CAN\$3000 each** have also been created: **1) Innovation, 2) Data integration and 3) Impact & Exploration**

Significance.

With the final contestants presenting at the PDAC 2022 convention, the NGEA™ will contribute funds for the flight and accommodation costs to Toronto for two to four members of the finalist teams (dependent on the convention being held in person).

Visit www.frankarnottaward.com to enter your team!

The image shows a presentation slide for the PDAC 2021 challenge. On the left is a portrait of Gabriel Ariza. The main text reads: "Simple quantitative mineral prospecting in the geologically complex Yukon Plateau, Canada." Below this are the names of the team members: Gabriel Julian Ariza Benavides, Juan Pablo Jaimes Bermudez, Angi Viviana Aparicio Guevara, Sergio Andrés García Arias, Oscar Andrés Santos Zambrano, and Andres Felipe Cabeza Orcasita. The team is identified as "Team Emerald". A "MENTORSHIP:" section lists Julian David De Bedout Ordóñez and Carlos Andrés Jiménez Torres. Logos for the University of Toronto and Universidad Industrial de Santander are shown. The slide is branded with "PDAC 2021" in the top left and "Gabriel Ariza" and "Team Emerald" in the bottom right.

Finalist Video Presentations Available for Viewing

Miss out on watching the 2021 finalist present at PDAC? Don't fret, they're up on our website! Please visit our [2021 Challenge page](#) and click on the photo of the team you would like to watch.



Frequently Asked Questions

Have a question for us? Check out the [FAQ section](#) on the website!

If you have any questions about the challenge, please contact us at NextGenerationExplorersAward@gmail.com.