



So you have genetic data, how do you use it for your translocations?

12th November 2023

As direct management interventions are becoming more common in conservation, the need to have genetic data to inform such actions is increasing. This practical workshop is aimed at conservation biologists who have, or are seeking to have, genetic data to inform their translocations. We will walk you through the genetic terms, what they mean, what you need to watch out for and how to interpret commonly used genetic metrics.

Location: Fremantle, Western Australia

Time: 8:30am – 4:30pm

Registration: Free (including lunch), please register interest when registering for ICTC 2023

Workshop aim: We aim to provide conservation practitioners with the theory and practical tools needed to understand when, and if, they require genetic data, the kinds of questions they should ask of their genetic partners, the commonly used genetic metrics and how they apply to translocation decision-making. Although the Threatened Species Initiative is a national program, our toolkit has been developed with global practitioners in mind. We hope participants will leave with confidence in when and how to use genetic data.

Learning outcomes: By the end of the workshop, participants should be able to:

- Understand key genetic terminology and that genetic diversity is key to conserving biodiversity
- Identify the different questions that can and cannot be answered with various types of genetic data for different taxa, including plants and animals
- Interpret commonly used genetic metrics and how to apply these in translocation decision-making

Agenda

- Welcome, introductions & genetic theory/terminology
- Morning Tea
- Genetic data (what it looks like) & case study applications (interactive session)
- Lunch
- Group work on activity to help attendees interpret genetic data and make decisions for their translocations
- Group presentations back to the workshop attendees to facilitate key learnings
- Summary & wrap-up

Workshop Presenters



Carolyn Hogg is a conservation biologist from the University of Sydney & Lead of the Threatened Species Initiative.



Kym Ottewell is a geneticist with the WA DBCA & a leader in using genetics to inform translocations.



Elspeth McLennan is a geneticist at the University of Sydney specialising in genomics to inform management of species, particularly with disease.