Event title	Conservation genomics in the age of extinction
Event type	Webinar
Date of event	08/03/2022
Time of event	1pm AEDT
Topic description	Biodiversity is crashing and millions of plant and animal species are at the edge of extinction. Understanding the genetic diversity of these species is an important tool for conservation biology but obtaining high quality genomes for threatened species is not always straightforward. In this webinar Dr Carolyn Hogg speaks about the work she has been doing with the Threatened Species Initiative to build genomic resources to understand and protect Australia's threatened species. Using examples such as the Kroombit Tinker Frog and the Greater Bilby, Carolyn describes some of the complexities and challenges of generating genomes from short reads and HiFi reads for critically endangered species. She outlines the technologies and resources being used and how these are bridging the gap between genomicists, bioinformaticians and conservation experts to help save Australian species.
Format description	Webinar presentation followed by a brief question and answer session
Identifier(s)/URL	https://www.biocommons.org.au/events/conservation-genomics-webinar
Licence	Materials are shared under a Creative Commons Attribution 4.0 International agreement unless otherwise stated on the materials
Keywords	Conservation genomics Genomics HiFi sequencing Threatened species

	Galaxy Australia Genomics http://edamontology.org/topic_0622 Sequencing http://edamontology.org/topic_3168 Bioinformatics http://edamontology.org/topic_0091
Contact	Melissa Burke (melissa@biocommons.org.au)
Audience	Anyone with an interest in the application of genomics to conservation biology.
Prerequisites	None
Technical requirements	None
Learning outcomes	• Outline challenges of generating genomes for endangered species • Describe the pipelines being used by the Threatened Species Initiative
Speaker	Dr Carolyn Hogg, University of Sydney