

Australian Academy of Science
Fenner Conference on the Environment 2021:
Exceptional times, exceptional plants
Thursday 9 Sept 2021

A workshop on identification and conservation of plant species
that are difficult to bank using conventional techniques



Introduction: 10:00-10:30am (AEST)

10:00am	Welcome to participants Dr Amelia Martyn Yenson .
10:05am	Introduction from Dr Fiona Fraser – Acting Threatened Species Commissioner
10:10am	<i>Keynote address</i> Prof. Hugh W. Pritchard : Beyond conventional seedbanking.

Session 1: 10:30am-11:50am (AEST)

Identifying exceptional species

10:30am	<i>Presentation</i> Dr Karen Sommerville : Seed storage behaviour categories, identifying seeds that are sensitive to desiccation or freezing.
10:40am	<i>Video</i> : Identifying exceptional species
10:50am	<i>Presentation</i> Dr David Merritt : Identifying short lived seeds.
11:05am	<i>Presentation</i> Dr Eric Bunn : Tissue culture for supporting ex situ conservation and for preparing material for cryopreservation.
11:20am	<i>Presentation</i> Dr Cathy Offord : Living collections supporting ex situ conservation.
11:35am	Questions from audience to session 1 speakers.

FIRST BREAK (11:50am for 30 minutes)

Session 2: 12:20pm-1:35pm (AEST)

Cryopreservation of exceptional species

12:20pm	Introduction to Exceptional Plants Conservation Network Dr Valerie Pence
12:35pm	<i>Presentation</i> Dr Bryn Funnekotter : Overview of cryopreservation in Australia, cryopreservation of shoot tips.
12:50pm	<i>Presentation</i> Dr Jayanthi Nadarajan : Extracting and cryopreserving embryonic axes.
1:05pm	<i>Presentation</i> Dr Daniel Ballesteros : Fern spore cryopreservation.
1:20pm	Questions from audience to session 2 speakers.

SECOND BREAK (1:35pm for 40 minutes)

Session 3: 2:15-3:30pm (AEST)

Using all the tools of ex situ conservation to conserve our national plant treasures

2:15pm	Summary of session 1 and 2, introduction to panellists and facilitator Dr Karen Sommerville
2:30pm	<i>Panel discussion</i> , facilitated by Dr Cathy Offord Panellists: Dr Linda Broadhurst, Dr Nathan Emery, Dr Lydia Guja, Mr Gibson Sosanika, Ms Karin van der Walt, Mr Damian Wrigley.
3:30pm	Conclusion of panel, closing remarks Dr Amelia Martyn Yenson