

Resources

Climate-ready revegetation

A guide for natural resource managers. Version 2

Overview

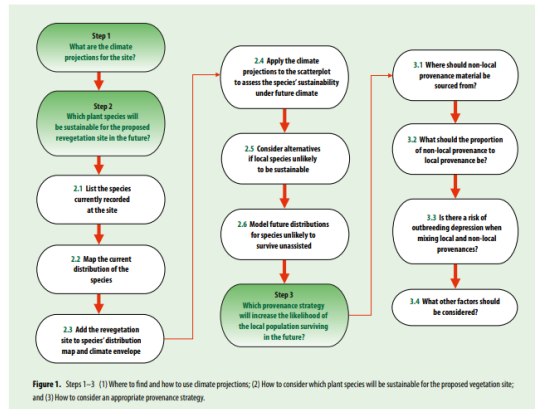
This Guide represents a first attempt at compiling online tools available to assist natural resource managers incorporate the inherent uncertainties associated with climate change when planning revegetation activities. The information in the Guide is based on the premise that survival and resilience will be enhanced for species and local populations with large, genetically diverse populations. Species differ in their vulnerability to climate change. Species that cannot evolve and adapt to new environmental conditions *in-situ* as fast as the climate changes, or disperse to more suitable climates, will be more vulnerable than those with the evolutionary potential and/or the capacity to disperse. In theory, plants with wide distributions are more likely to cope with climate change than those with narrow distributions. However, even if a species' distribution indicates that it is able to tolerate a broad range of climate conditions, survival of local populations is not guaranteed.

Small populations may require genetic rescue (incorporating non-local genetic material) to boost their capacity to adapt to a rapidly changing environment.

The Guide provides step-by-step instructions on where to find and how to use climate projections and how to consider the suitability of species and provenances for revegetation projects (Figure 1). The consideration of factors other than climate change to determine the suitability of species and provenance selection (e.g. soil characteristics, topography and aspect) are covered in other publications and are not addressed in this Guide (e.g. the Standards for the Practice of Ecological Restoration in Australia (SERA) <http://www.seraustralia.com/pages/standards.html>, or look for regional examples such as www.biodiversitygateway.com.au/SWSR_Guide/home.html).

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<https://www.anpc.asn.au/wp-content/uploads/2019/08/Climate-Reveg-Guide-v2-2018-DOWNLOADABLE-unsecured1.pdf>

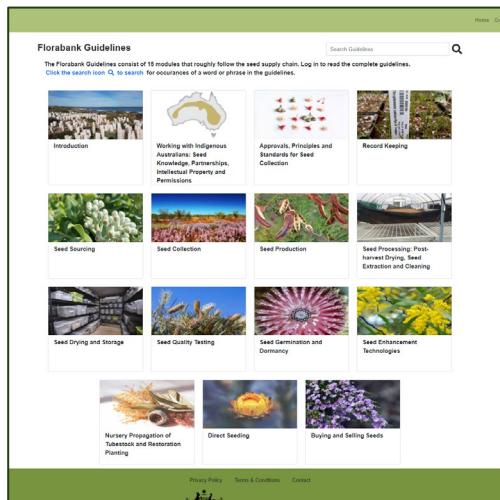


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Australian Native Seed Survey Report

<https://www.anpc.asn.au/product/the-australian-native-seed-survey-report-e-version/>



Updated Florabank Guidelines

<https://www.florabank.org.au/guidelines/>

Resources

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Project Phoenix Resources

for the Australian Native Seed and Plant Sector

Learn more!



Project Phoenix has provided an opportunity to produce evidence-based reports and resources that are a part in-line expansion of the national native seed sector funded by the government's Wildlife and Habitat Bushfire Recovery Program.

Greening Australia was asked to coordinate Project Phoenix and there has been widespread collaboration and contributions made by the 25 organisations producing the reports that are now available to the public.

Project Phoenix has enabled the largely invisible native seed sector to become visible in its inclusive and accessible approach for the publication of the reports. For those who know the sector or for those who are interested in understanding more about the role native seed plays in Bushfire recovery you will find reports on different issues affecting the sector.

From a national review of licensing and land tenure, how does the native market work, how many seed production areas are there in Australia and does the sector need a seed tracking app? These are just a few of the topics explored in Project Phoenix.

The reports have informed the development of the draft Strategy and provide evidence to enable better decision making for a sustainable native seed sector now and for the future.

Project Phoenix

<https://www.greeningaustralia.org.au/project-phoenix-resources/>

<h3>1. Bushfire Impacts and native seed</h3> <p>1. Bushfire Impacts – ArcGIS Resources Project Summary</p> <p>1. Bushfire Impacts – A National Model for assessing local landscape restoration priorities Project Summary Report</p> <p>1. Bushfire Impacts – How much seed will I need? Project Summary Report</p> <p>1. Bushfire Impacts – Where will the seed come from? Project Summary Report</p>	<h3>2. Capacity Building and Connections</h3> <p>2. Snap! A picture of the Australian Seed Sector in 2021 Project Summary Report</p> <p>2. Join the National Seed Network! Project Summary</p> <p>2. Reveal! The National Native Nursery Network Project Summary Report</p> <p>2. Australian Native Seed Production in 2021 Project Summary Report</p>
<h3>2. Capacity Building and Connections (continued)</h3> <p>2. Post... Everything you wanted to know about native seed licensing Project Summary Report</p> <p>2. Everything you wanted to know about access to Land for Native Seed Collection Project Summary Report</p>	<h3>2. Capacity Building and Connections (continued)</h3> <p>2. Native Seed Transfer Zones in Australia – How far can seed go? Project Summary Report</p> <p>2. How does the Native Seed Market work? Project Summary Report</p> <p>2. – How much does Native Seed Cost?</p>

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<https://seedscience2021.com.au/>

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Germplasm Guidelines

