

# Navigating Seedling Supply Challenges on the Atherton Tablelands: Growing the Future

Seedling Supply Workshop Outcomes Report  
July 2026



## **Acknowledgements**

Navigating Seedling Supply Challenges on the Atherton Tablelands: Growing Our Future is the outcomes report from the Seedling Supply Workshop held in July 2026. The workshop was convened in response to an estimated shortfall of up to 20,000 seedlings per year across the Atherton Tablelands. This report was developed through a collaborative process led by the Wet Tropics Restoration Alliance.

This work was supported through funding provided under the Wet Tropics Management Authority's Climate Adaptation Plan (2020–2030), funded by the Queensland Government.

We extend our sincere thanks to the nurseries, restoration practitioners and project proponents who attended the workshop and generously contributed their knowledge, data and time, including NQ Land Management Services, Queensland Parks and Wildlife Service, Tablelands Regional Council Community Revegetation Nursery, Wandana Waters, Mirrijini Seedlings, Yuruga Nursery, South Endeavour Trust, Terrain NRM, Choorechillum Aboriginal Corporation, Cairns Conservation Services, Nurture Restoration Solutions, C4, Barron Catchment Care and Rainforest Rescue.

### **Acknowledgement of the Traditional Owners of the Atherton Tablelands**

The Wet Tropics Restoration Alliance acknowledges the Rainforest Aboriginal Peoples who are the Traditional Owners and Custodians of the Atherton Tablelands. We pay our respects to their Elders past and present and acknowledge their enduring connection to Country, culture and community. We recognise and respect the ongoing role of Traditional Owners in caring for Country and value their knowledge, leadership and partnership in rainforest restoration across the region.

### **Disclaimer**

This report does not represent Queensland Government policy or any official government position. The information contained in this document is based on the best available information at the time of writing and is intended to support discussion and planning.

*The Wet Tropics Restoration Alliance acknowledges the funding support of the Queensland Government.*



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## Executive summary

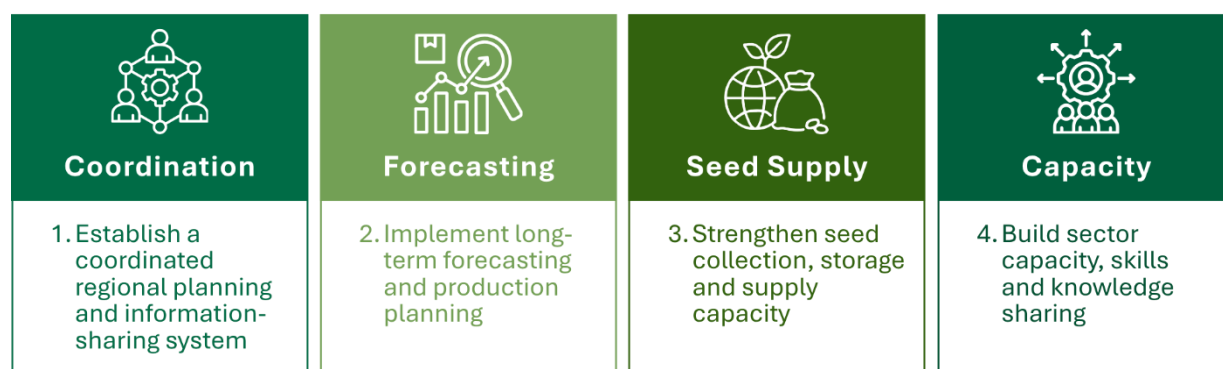
Forward planning for restoration projects on the Atherton Tablelands has forecast an estimated shortfall of up to 20,000 seedlings per year, despite there being adequate nursery infrastructure to produce sufficient seedlings. This shortfall is primarily due to supply chain constraints and demand pressures, ranging from seed shortages, funding uncertainty, workforce capacity and production planning - from seed collection through to planting delivery.

A workshop held for Tablelands restoration organisations discussed practical solutions to seedling production challenges that were outlined in the discussion paper *Atherton Tablelands Seedling Supply Forecast 2026-2030*.

Participants identified four recommendations that could be implemented to meet restoration goals on the southern Atherton Tablelands. Some can commence immediately and others will require additional work and resourcing to progress effectively.

## Recommendations

The recommendations listed are formulated from participants' input throughout the day. They address the workshop's most prominent themes: coordination, forecasting, seed supply security, and capacity building. Many of these will not be achievable without additional resourcing.



### 1. Establish a coordinated regional planning and information-sharing system

- Create a central database and coordination platform linking nurseries, seed collectors and revegetation organisations.
- Provide visibility of seedling availability, species, stock numbers, project pipelines and future planting demand.
- Improve communication, reduce duplication of effort and enable redistribution of excess stock.

### 2. Implement long-term forecasting and production planning

- Develop systems to forecast restoration projects, species requirements and seedling demand several years in advance.

- Provide nurseries with earlier notice of project requirements so they can grow the right species and quantities.
- Align seed collection, nursery production and project delivery timelines.

### 3. Strengthen seed collection, storage and supply capacity

- Invest in skilled seed collectors, including Traditional Owner and Indigenous Ranger-led programs.
- Establish a regional seed bank or coordinated storage system to improve supply security and resilience during low-fruited years.
- Increase the diversity and availability of seed for priority and underrepresented species.

### 4. Build sector capacity, skills and knowledge sharing

- Expand nursery infrastructure, workforce capacity and training opportunities across the restoration sector.
- Establish regular knowledge-sharing forums, mentoring networks and practical training programs.
- Support Traditional Owner participation and strengthen regional capability in seed collection, storage, propagation and restoration planning.



## Seedling supply workshop - July 2026

Representatives from 15 organisations came together in Atherton for a seedling supply workshop to discuss practical solutions to seedling production challenges that will maintain and support restoration efforts to 2030 and beyond. Information on the current and projected seedling production needs for restoration on the southern Atherton Tablelands and the key constraints affecting supply were outlined in the discussion paper circulated a week prior to the workshop (refer Appendix I).

At the workshop a brief introduction outlined seedling supply challenges and associated constraints covered in the discussion paper and invited participants to identify their key issues around seedling production, supply and demand. Participants then broke into smaller groups for two sessions. All participant responses supplied during the workshop are recorded in Appendix II.

## Session 1 - Meeting seedling requirements

Groups were asked to consider the constraints to supplying sufficient seedlings and discuss ways to meet future seedling supply demands for restoration on the Tablelands. Individual participants were also asked to record what they consider the most urgent priority to be addressed to meet seedling requirements.

### Key findings

The overarching issue is that seedling demand for restoration, seed collection, nursery production and project delivery are not sufficiently coordinated across the landscape. Stakeholders consistently called for shared databases, stronger communication, earlier project planning, increased seed collection capacity, and greater financial certainty to ensure the right species can be produced at the right scale and time to meet restoration goals.

A qualitative analysis of the responses provided by groups and individuals has identified themes around seedling supply issues. The relative prominence of each theme is shown in the table below. During the workshop sessions participants discussed the key issues and suggested actions that relate to these themes. These are listed in Appendix III.

Table 1: Meeting seedling requirements - dominant themes

| Theme                                            | Relative Prominence |
|--------------------------------------------------|---------------------|
| Coordination, communication and shared databases | Very High           |
| Lead time and project forecasting                | High                |
| Seed collection and seed supply                  | High                |
| Capacity (people, nursery space, skills)         | High                |
| Species prioritisation and biodiversity outcomes | Moderate            |
| Financial assurance and funding support          | Moderate            |

## Session 2 - Seed collection, supply and storage

During this session groups were asked to identify the constraints that applied to the organisation they were representing then discuss ways to overcome them. Once again, individual participants were also asked to record what they consider the most urgent priority for this topic.

### Key findings

The overarching message from responses suggests that building knowledge networks, improving storage capacity, and strengthening collaboration would provide the greatest benefits to regional seed supply and restoration efforts.

The table below shows the relevant prominence for each of the dominant themes identified by groups and individual workshop participants around seed collection, supply and storage issues. Appendix IV lists the key issues and suggested actions that were discussed. Many of these actions are beyond the scope of capacity of individuals or one organisation to undertake without dedicated, longer term additional resources and commitment.

Table 2: Seed collection, supply and storage - dominant themes

| Theme                                               | Relative Prominence |
|-----------------------------------------------------|---------------------|
| Knowledge sharing, training and capability building | Very High           |
| Seed storage, seed banking and supply security      | High                |
| Collaboration and networking                        | Moderate            |
| Seed quality, provenance and diversity management   | Moderate            |
| Traditional Owner engagement and local knowledge    | Moderate            |
| Operational and restoration planning                | Moderate            |
| Existing capacity and alternative views             | Low                 |

## Workshop commitments

Key workshop commitments include South Endeavour Trust agreeing to secure an additional 20,000 seedlings from up to four nurseries from the 2027-28 planting season, while guidance on seed collecting permits and regulatory requirements will be developed by the Wet Tropics Management Authority through WTMA's *Repairing the Rainforest – Volume 2* to support restoration activities.

The key workshop outcomes and recommendations will be shared with funders and decision-makers to inform and advocate for necessary improvements. Finally, the establishment of the FNQ Native Restoration Collective Facebook group will strengthen sector collaboration, and Traditional Owners will be included in future seed collecting discussions.

## Appendices

### Appendix I - Atherton Tablelands Seedling Supply Forecast 2026-2030.

Discussion paper circulated prior to the workshop.



Download



## Appendix II - Seedling supply workshop - participant responses

Workshop responses recorded during Session 1 and Session 2.

| Session 1:<br>Meeting seedling requirements                                                               |                                                                                              | Session 2:<br>Seed collection, supply and storage                                                                  |                                                                                          | Miscellaneous<br>issues raised                                                       |
|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Group priorities                                                                                          | Urgent actions<br>(individual responses)                                                     | Group priorities                                                                                                   | Urgent actions<br>(individual responses)                                                 |                                                                                      |
| Need enough lead-in time to grow appropriate number of suitable species                                   | Central collaboration and coordination                                                       | Indigenous calendar for when to collect seeds (climate resilient)                                                  | Lack of knowledge                                                                        | Crawford/SET funding could fund seed bank targeting certain species                  |
| Nursery space and lead in time                                                                            | Knowledge of requirements and priority of outcomes                                           | Small grants for seed fridges, etc., to help nurseries store seeds                                                 | Fund a seed bank                                                                         | Seed collecting permits - what are the issues                                        |
| Central database: seedling availability, species and numbers                                              | Database between nurseries and organisations working together to fill required species lists | Willingly share knowledge - quarterly catch up to share skills                                                     | Collaboration                                                                            | Capacity to get trees in the ground                                                  |
| Determine lists of priority species e.g. 20 key structural species, secondary list of threatened species) | Fund an ethical communication tool - not Meta                                                | Seed swaps at quarterly catchups                                                                                   | Learning more - Traditional Owner sharing                                                | No Traditional Owners and Custodians are in this conversation or future conversation |
| Provide feedback to funding bodies (about revegetation project issues)                                    | Lead time - species and demand database access for projects                                  | Insufficient seed solutions. Storing seedlings in trays when fruit is abundant to sustain low-level fruiting years | Don't need a regional seed collector, we have people doing it                            |                                                                                      |
| Public database of projects (confirmed, planned, aspirational)                                            | Financial assurance that stock will be purchased and planted                                 | Database of geocoordinates to ensure one area/tree is being targeted and to improve diversity                      | Or seed/seedling tray storage - helps with short-notice supply                           |                                                                                      |
| Jointly fund skilled seed collectors to distribute seed to nurseries                                      | Capacity issues                                                                              | Knowledge sharing on seed collection, storage, provenance etc.,                                                    | Biosecurity in distributing seed and seedlings and sharing and correct ID and provenance |                                                                                      |

| <b>Session 1:<br/>Meeting seedling requirements</b>                                                                                |                                                                                                                                | <b>Session 2:<br/>Seed collection, supply and storage</b>                   |                                                                               | <b>Miscellaneous<br/>issues raised</b> |
|------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------|
| <b>Group priorities</b>                                                                                                            | <b>Urgent actions<br/>(individual responses)</b>                                                                               | <b>Group priorities</b>                                                     | <b>Urgent actions<br/>(individual responses)</b>                              |                                        |
| WTMA/Terrain fund Traditional Owners to collect seed (to avoid permits and get Traditional Owners on Country)                      | Database inventory of excess stock                                                                                             | Lead time - seedling tray storage/long-term                                 | Professional seed collectors - education on seed storage                      |                                        |
| Website funded by WTMA/Terrain/membership with seedling inventory for excess stock, updated monthly (like EvergreenConnect-SE QLD) | List of what is required in terms of which species to achieve best biodiversity outcomes-which of these are not being produced | WhatsApp email support from the wise minds to those with lack of knowledge  | Permits to collect threatened species needs information and knowledge sharing |                                        |
| Collect 20% more seed than projects require                                                                                        | Seed supply issues - diversity                                                                                                 | Wildlings (collect seedlings from the wild)                                 | Resourcing to meet the needs of our own projects and assist others            |                                        |
| South Endeavour Trust willing to provide common funds. Talk to WTMA about different governance arrangements.                       | Seed collectors                                                                                                                | Knowledge; ID, needs, growing, provenance, prep, dates                      | No Traditional Owners are in this conversation or future conversation         |                                        |
| Representation to change-makers                                                                                                    | Capacity building - Indigenous rangers to seed collect                                                                         | Central seed bank or collection agent                                       |                                                                               |                                        |
| Expression of Interest to landowners to scope projects at seedling production time (capacity - staff, space)                       | Website inventory of excess stock                                                                                              | Knowledge sharing - funding for workshop ID and seed processing (local)     |                                                                               |                                        |
| Provide purchase assurance to seedling producers.                                                                                  | Designated seed collector position                                                                                             | Consider site preparation and maintenance. Maximise survival to reduce loss |                                                                               |                                        |

| Session 1:<br>Meeting seedling requirements                                                                              |                                                         | Session 2:<br>Seed collection, supply and storage |                                          | Miscellaneous<br>issues raised |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------|------------------------------------------|--------------------------------|
| Group priorities                                                                                                         | Urgent actions<br>(individual responses)                | Group priorities                                  | Urgent actions<br>(individual responses) |                                |
| Well established communication between nurseries and revegetation organisations to share resources and avoid duplication | Achievable, amendable species lists                     |                                                   |                                          |                                |
|                                                                                                                          | Very basic website showing excess stock                 |                                                   |                                          |                                |
|                                                                                                                          | Traditional Owner capacity building and seed collecting |                                                   |                                          |                                |

## Appendix III - Meeting seedling requirements: key issues and suggested actions

### 1. Coordination, communication and shared databases

*Workshop priority: Very High*

| Key issues                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Suggested actions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Lack of central coordination between nurseries, seed collectors and revegetation organisations.</li> <li>• Limited visibility of seedling availability, species and stock numbers across nurseries.</li> <li>• Excess stock is not consistently shared or redistributed.</li> <li>• Duplication of effort and inefficient resource use across organisations.</li> <li>• Poor communication regarding project requirements and species demand.</li> <li>• Lack of a common platform for collaboration and information sharing.</li> </ul> | <ul style="list-style-type: none"> <li>• Develop a central database showing seedling availability, species and stock numbers.</li> <li>• Create a shared database linking nurseries and revegetation organisations to coordinate production and species supply.</li> <li>• Establish a publicly accessible database of revegetation projects (confirmed, planned and aspirational).</li> <li>• Develop a website or inventory platform for reporting and advertising excess stock.</li> <li>• Fund an ethical communication and collaboration platform independent of social media platforms such as Meta.</li> <li>• Strengthen communication networks between nurseries and revegetation organisations to share resources and minimise duplication.</li> </ul> |

### 2. Lead time and project forecasting

*Workshop priority: High*

| Key issues                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Suggested actions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Insufficient lead time for nurseries to grow required species.</li> <li>• Uncertainty around future project demand and species requirements.</li> <li>• Nurseries struggle to plan production without early project information.</li> <li>• Lack of visibility of upcoming projects affects stock planning and nursery investment.</li> <li>• Mismatches between species demand and production timelines.</li> </ul> | <ul style="list-style-type: none"> <li>• Provide earlier notification of project requirements and species lists.</li> <li>• Establish project forecasting systems that identify future planting demand.</li> <li>• Create databases showing projected species demand and project timelines.</li> <li>• Seek expressions of interest from landholders during the seedling production phase.</li> <li>• Improve access to project pipeline information for nurseries.</li> <li>• Develop processes that allow species demand forecasting several years in advance.</li> </ul> |

### 3. Seed collection and seed supply

*Workshop priority: High*

| Key issues                                                                                                                                                                                                                                                                                                                                                                          | Suggested actions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Shortages of seed supply for a diverse range of species.</li><li>• Limited availability of skilled seed collectors.</li><li>• Challenges obtaining seed from priority and less-common species.</li><li>• Insufficient seed diversity to support biodiversity outcomes.</li><li>• Dependence on a small number of seed collectors.</li></ul> | <ul style="list-style-type: none"><li>• Jointly fund skilled seed collectors to collect and distribute seed to nurseries.</li><li>• Establish designated seed collector positions.</li><li>• Collect surplus seed (e.g. approximately 20% above project requirements) to improve resilience.</li><li>• Support Traditional Owner-led seed collection programs.</li><li>• Fund Indigenous Ranger and Traditional Owner seed-collection initiatives.</li><li>• Improve seed collection planning to ensure greater species diversity and availability.</li></ul> |

### 4. Capacity (people, nursery space and skills)

*Workshop priority: High*

| Key issues                                                                                                                                                                                                                                                                                                                                                                                                 | Suggested actions                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Limited nursery space and infrastructure.</li><li>• Workforce shortages across the sector.</li><li>• Insufficient skilled personnel for seed collection and nursery production.</li><li>• Constraints in staff, facilities and operational capacity.</li><li>• Limited capacity among Traditional Owners and Indigenous Rangers to participate at scale.</li></ul> | <ul style="list-style-type: none"><li>• Invest in increasing nursery production capacity and infrastructure.</li><li>• Build workforce capacity through training and recruitment.</li><li>• Support capacity-building programs for Traditional Owners and Indigenous Rangers.</li><li>• Increase staffing resources for seed collection and nursery operations.</li><li>• Improve long-term workforce planning and skills development across the revegetation sector.</li></ul> |

## 5. Species prioritisation and biodiversity planning

*Workshop priority: Moderate*

| Key issues                                                                                                                                                                                                                                                                                                                                                                                                                     | Suggested actions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Uncertainty about which species are most important to produce.</li><li>• Lack of agreed priority species lists.</li><li>• Difficulty balancing biodiversity outcomes with production feasibility.</li><li>• Some important biodiversity species are not being grown in adequate numbers.</li><li>• Project requirements may be unrealistic given current supply constraints.</li></ul> | <ul style="list-style-type: none"><li>• Develop agreed priority species lists, including:<ul style="list-style-type: none"><li>- key structural species</li><li>- secondary or threatened species.</li></ul></li><li>• Identify species required to achieve optimal biodiversity outcomes.</li><li>• Analyse production gaps to identify species that are under-produced.</li><li>• Develop achievable and adaptable species lists that can respond to changing availability.</li><li>• Improve guidance on species priorities and restoration outcomes.</li></ul> |

## 6. Financial assurance and funding support

*Workshop priority: Moderate*

| Key issues                                                                                                                                                                                                                                                                                                                                                               | Suggested actions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Nurseries face financial risk when producing stock without guaranteed buyers.</li><li>• Uncertainty around project funding and stock purchases.</li><li>• Limited financial security discourages investment in capacity and production.</li><li>• Funding bodies may be unaware of practical revegetation constraints.</li></ul> | <ul style="list-style-type: none"><li>• Provide purchase guarantees or financial assurance for seedling producers.</li><li>• Establish mechanisms that ensure stock grown for projects will be purchased and planted.</li><li>• Create pooled or common funding arrangements to support sector needs.</li><li>• Advocate to funding bodies and decision-makers regarding industry constraints and project delivery challenges.</li><li>• Improve funding models to support long-term planning rather than short project cycles.</li></ul> |

## Appendix IV - Seed collection, supply and storage: key issues and suggested actions

### 1. Knowledge sharing, training and capability building

*Workshop priority: Very High*

| Key issues                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Suggested actions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Lack of knowledge about seed collection, storage, processing and propagation.</li> <li>• Limited access to expertise on species identification, provenance requirements and seed treatment.</li> <li>• Inconsistent understanding of permit requirements, particularly for threatened species.</li> <li>• Knowledge is held by a small number of experienced practitioners and is not easily accessible.</li> <li>• Limited opportunities for practical learning and peer-to-peer support.</li> </ul> | <ul style="list-style-type: none"> <li>• Establish regular quarterly knowledge-sharing forums or communities of practice.</li> <li>• Develop a mentoring network or expert support group (e.g. WhatsApp or email advisory group).</li> <li>• Deliver local workshops on species identification, seed collection, storage and processing.</li> <li>• Create practical guidance materials on provenance, permits and collection protocols.</li> <li>• Develop an online knowledge hub containing resources, training materials and case studies.</li> </ul> |

### 2. Seed Storage, Seed Banking and Supply Security

*Workshop priority: High*

| Key issues                                                                                                                                                                                                                                                                                                                                                                                                                                | Suggested actions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Insufficient capacity to store seed and seedlings during high-fruited years.</li> <li>• Risk of seed shortages during low-fruited years.</li> <li>• Limited long-term storage infrastructure and funding.</li> <li>• Inability to respond quickly to restoration projects requiring large volumes of plant material.</li> <li>• Fragmented storage arrangements across organisations.</li> </ul> | <ul style="list-style-type: none"> <li>• Establish a regional seed bank or coordinated seed storage system.</li> <li>• Provide small grants for seed fridges, storage equipment and infrastructure upgrades.</li> <li>• Develop seedling tray storage systems for short-term and long-term supply management.</li> <li>• Create a regional reserve of priority species to buffer against seasonal shortages.</li> <li>• Develop protocols for seed storage, viability testing and inventory management.</li> </ul> |

### 3. Collaboration and networking

*Workshop priority: Moderate*

| Key issues                                                                                                                                                                                                                                                                                                                                                        | Suggested actions                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Limited coordination between organisations collecting, storing and growing seed.</li><li>• Duplication of effort and missed opportunities to share resources.</li><li>• Lack of structured opportunities for networking and learning.</li><li>• Variable access to information and expertise across the region.</li></ul> | <ul style="list-style-type: none"><li>• Hold regular regional catchups focused on seed supply and restoration.</li><li>• Establish seed swap events and resource-sharing initiatives.</li><li>• Create a network of nurseries, restoration practitioners and seed collectors.</li><li>• Develop mechanisms for sharing equipment, expertise and surplus plant material.</li><li>• Encourage collaboration on priority species and large restoration projects.</li></ul> |

### 4. Seed quality, provenance and diversity management

*Workshop priority: Moderate*

| Key issues                                                                                                                                                                                                                                                                                                                                                                                                             | Suggested actions                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Concerns about maintaining genetic diversity in collected seed.</li><li>• Risk of over-harvesting from the same locations or individual trees.</li><li>• Need for better provenance records and species identification.</li><li>• Biosecurity risks associated with moving seed and seedlings between locations.</li><li>• Limited systems for tracking collections.</li></ul> | <ul style="list-style-type: none"><li>• Develop a regional database to record collection locations and provenance information.</li><li>• Establish best-practice guidelines for seed collection and genetic diversity.</li><li>• Provide training on species identification and provenance management.</li><li>• Develop regional biosecurity protocols for seed and seedling movement.</li><li>• Implement standardised record-keeping systems across organisations.</li></ul> |

## 5. Traditional Owner knowledge and engagement

*Workshop priority: Moderate*

| Key issues                                                                                                                                                                                                                                                                                                                                                                                        | Suggested actions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Traditional Owner knowledge is not being fully captured or incorporated.</li><li>• Traditional Owners may not be adequately represented in current discussions.</li><li>• Lost opportunities to use seasonal and cultural knowledge to improve seed collection timing.</li><li>• Limited pathways for cultural knowledge sharing and co-design.</li></ul> | <ul style="list-style-type: none"><li>• Partner with Traditional Owners to develop an Indigenous seasonal seed collection calendar.</li><li>• Support Traditional Owner-led knowledge sharing and training sessions.</li><li>• Ensure Traditional Owner representation in planning and decision-making processes.</li><li>• Establish culturally appropriate knowledge-sharing agreements and protocols.</li><li>• Explore opportunities to support Traditional Owner participation in seed collection and nursery activities.</li></ul> |

## 6. Operational capacity and restoration planning

*Workshop priority: Moderate*

| Key issues                                                                                                                                                                                                                                                                                                                                                                                                                                | Suggested actions                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Limited resources to meet both organisational needs and regional demand.</li><li>• Challenges maintaining consistent plant supply over time.</li><li>• Seed availability does not always align with project timelines.</li><li>• Losses from poor site preparation and post-planting management.</li><li>• Need to explore alternative propagation options such as wildling collection.</li></ul> | <ul style="list-style-type: none"><li>• Improve forward planning between seed collectors, nurseries and restoration practitioners.</li><li>• Increase investment in workforce and operational capacity.</li><li>• Develop regional forecasting of seed demand and availability.</li><li>• Promote best-practice site preparation and maintenance to maximise survival rates.</li><li>• Investigate the role of wildling collection as a supplementary source of planting stock.</li></ul> |

## 7. Existing capacity and service coordination

*Workshop priority: Low*

| Key issues                                                                                                                                                                                                                                                                                            | Suggested actions                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Some participants believe adequate seed collection capacity already exists.</li><li>• Potential duplication of services if new regional collector roles are established.</li><li>• Unclear understanding of current regional capabilities and gaps.</li></ul> | <ul style="list-style-type: none"><li>• Map existing seed collection, storage and nursery capacity across the region.</li><li>• Identify genuine service gaps before establishing new programs or roles.</li><li>• Focus investment on coordination and support rather than duplication.</li><li>• Strengthen links between existing providers to maximise regional efficiency.</li></ul> |