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VINEHEALTH AUSTRALIA

**DIGITAL
BIOSECURITY
PLATFORM**

A S N A P S H O T



Vinehealth
AUSTRALIA

PROTECTING OUR VINES AND WINES

VINEYARD BIOSECURITY IS CRITICAL FOR
WINE INDUSTRY SUCCESS.

VINEHEALTH AUSTRALIA EXISTS TO SAFEGUARD THE
HEALTH OF VINEYARDS. A WORLD-CLASS DIGITAL
BIOSECURITY PLATFORM WILL HELP TO ENSURE A
PROFITABLE, PRODUCTIVE AND SUSTAINABLE INDUSTRY.

VINEHEALTH AUSTRALIA IS COMMITTED TO:

1. Containing phylloxera within the existing Phylloxera Infested Zones in Australia.
2. Preventing exotic pests from entering vineyards in Australia.
3. Eradicating or containing any exotic or declared pest incursion in a vineyard, to minimise the impact on grape and wine businesses.
4. Effectively managing high priority endemic pests of vineyards.
5. Providing a rigorous biosecurity system which enables market access, export growth, inbound tourism and protects the value of vineyards.

Biosecurity is a system to reduce the risk of entry, establishment and spread of pests, diseases and weeds that threaten the economy, environment and community.



AUSTRALIA'S BIOSECURITY CHALLENGES

Increased global trade and tourism, agricultural expansion and intensification, urbanisation, climate change and changing consumer expectations are increasing our biosecurity exposure.

Phylloxera is being detected in more vineyards. And Australia has experienced a doubling in the number of exotic plant pest incursions in the past six years (Intergovernmental Agreement on Biosecurity Review Final Report 2017).

GLOBAL PLANT BIOSECURITY IS AT A CRITICAL JUNCTURE.

The current biosecurity landscape is also characterised by changing government and industry priorities, increased scrutiny from trading partners during market access negotiations with the need to substantiate area freedom status, and an increasing desire from authorities for individual growers to help manage their own biosecurity risks.

The Australian wine and grape industries face unique issues, including:

- Increased consolidation, with regional grape processing being

**VINEHEALTH
AUSTRALIA IS
PROPOSING A
NEW DIGITAL
BIOSECURITY
PLATFORM.
THIS WILL BE
A POWERFUL
TOOL FOR THE
MANAGEMENT
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BIOSECURITY
LANDSCAPE.**

replaced by 'super' processing facilities that import higher volumes of grapes across regional and state boundaries.

- Increased specialisation, with more contract vineyard management, pruning and harvesting, raising the risk of cross-regional and cross-vineyard contamination.
- Increased wine tourism and improved transportation corridors.
- The rising importance of 'old vines' in the marketing of wines and the need for younger vines to age.
- The need to reduce compliance costs whilst improving systems.
- Ongoing tight margins for grapegrowers.

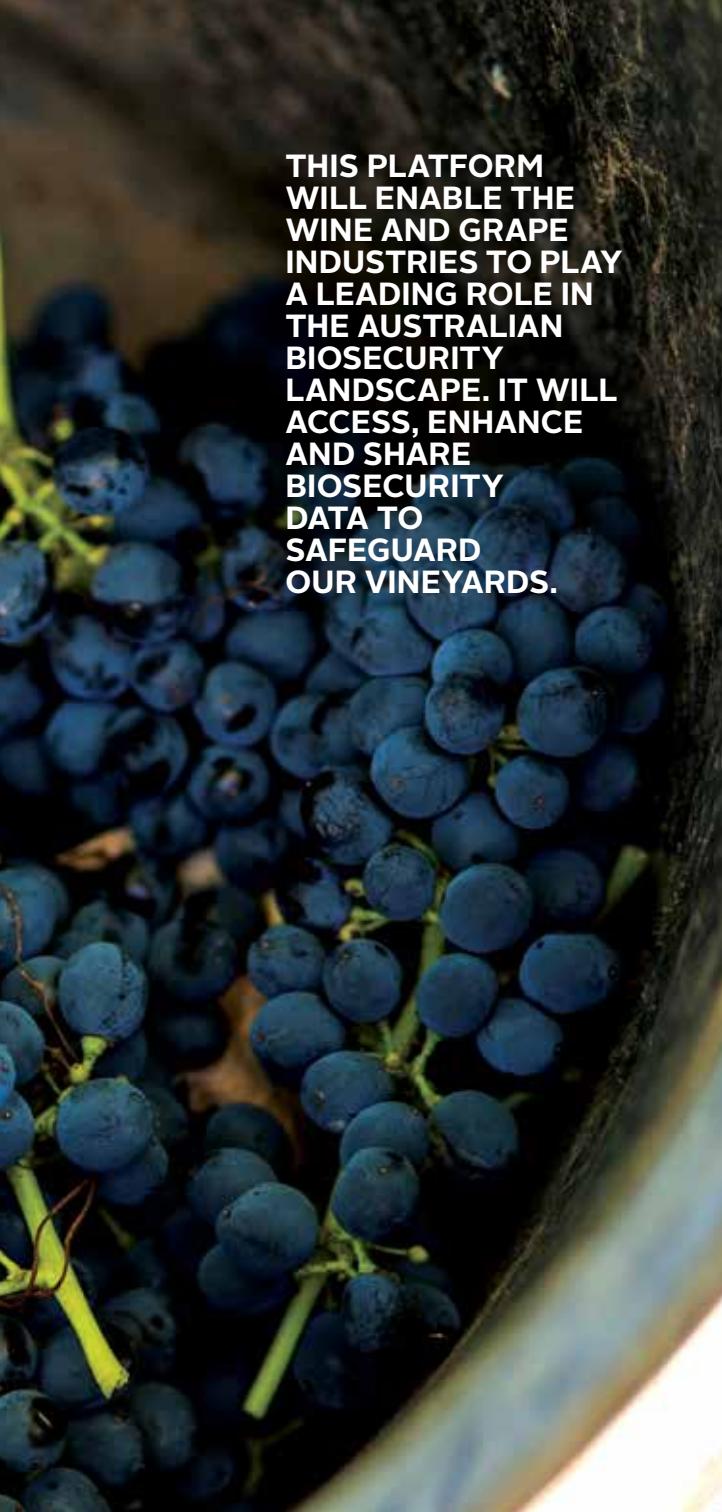
WE'VE OUTGROWN OUR VINEYARD REGISTER

Vinehealth Australia operates and maintains a register of every vineyard of 0.5 hectares or more in South Australia. This register is a key enabler in the protection of vines from pests and diseases. For many years, the vineyard register has been the envy of plant industries around Australia. However, the technology used for this register does not have the necessary functionality or flexibility to adapt to our changing biosecurity landscape.

Without improving our vineyard register, which was designed for a less complex threat environment, we cannot meet the evolving biosecurity needs of our growers. We will become inefficient and reliant on manual data management. The impact of standing still is an increased risk of a pest incursion and an inability to effectively manage such incursions.

A new Digital Biosecurity Platform is proposed which will allow the wine and grape industries to effectively share responsibility for best-practice biosecurity.





**THIS PLATFORM
WILL ENABLE THE
WINE AND GRAPE
INDUSTRIES TO PLAY
A LEADING ROLE IN
THE AUSTRALIAN
BIOSECURITY
LANDSCAPE. IT WILL
ACCESS, ENHANCE
AND SHARE
BIOSECURITY
DATA TO
SAFEGUARD
OUR VINEYARDS.**

THE SOLUTION

To respond effectively to this changing environment, we propose a platform that is powered by geospatial data to drive a relationship-rich digital biosecurity ecosystem.

Vinehealth Australia's new Digital Biosecurity Platform will assist in safeguarding Australia's \$40.2 billion wine industry against local and global biosecurity threats.

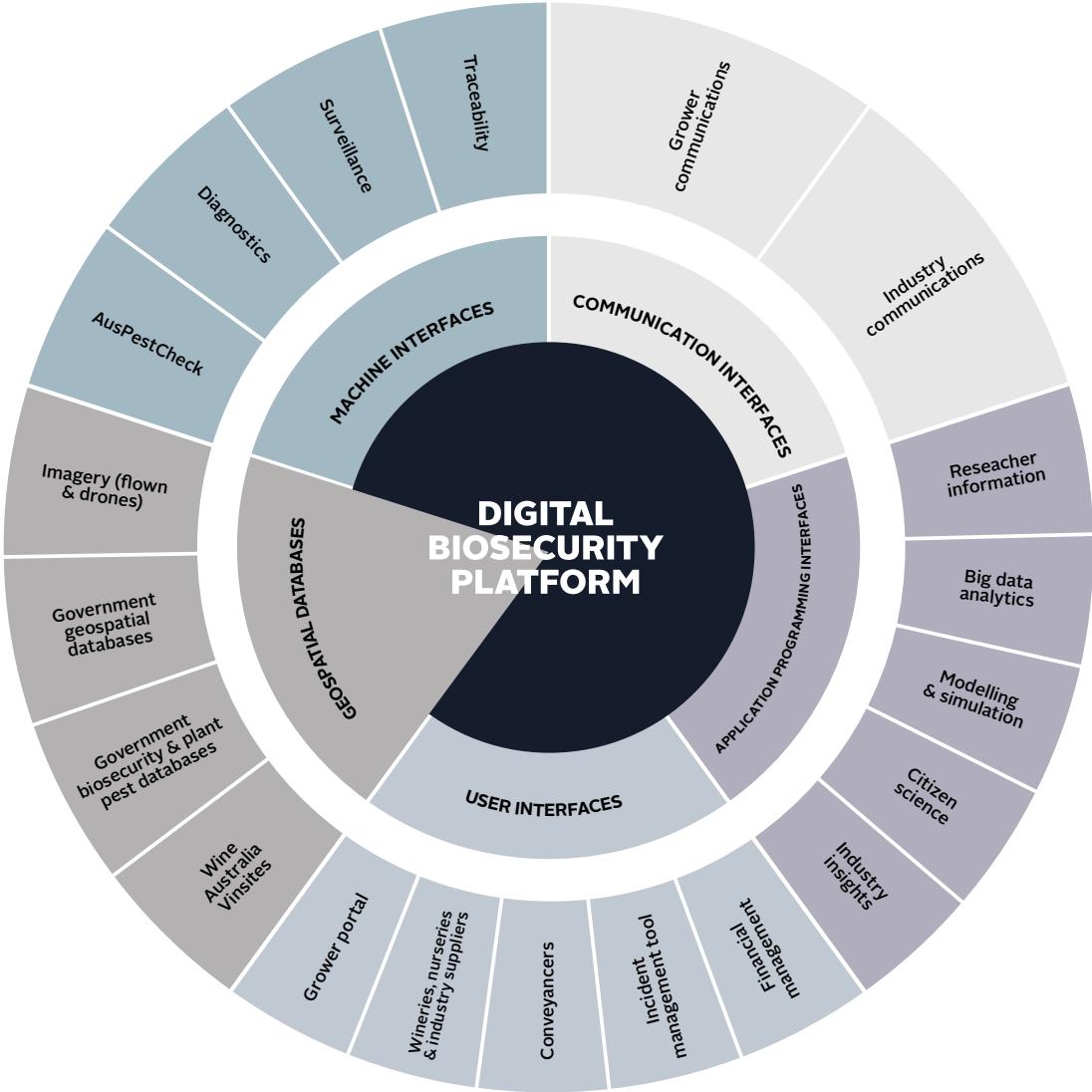
The platform presents three ground-breaking opportunities for South Australia and, ultimately, Australia. It will:

1. Provide our wine and grape industries with the advanced technology they need to meet serious, and increasing, biosecurity threats.
2. Allow the wine and grape industries to keep pace with rapidly evolving external biosecurity tools and systems.
3. Position the wine and grape industries as a clear global leader in the biosecurity field through the establishment of a world's best-practice benchmark—strengthening and substantiating our valuable 'clean and green' reputation, and providing powerful leverage in international markets.

This is a quantum leap into the future. The Vinehealth Australia Digital Biosecurity Platform will propel Australian wine and grape industries into next generation technology.

The platform will embrace the flexibility of the cloud, real-time movement tracking, an app ecosystem, high resolution geospatial data visualisation, remote monitoring, machine-to-machine communication, search-enabled communication, big data analytics and landscape oriented research, rapid modelling and simulation, industry insights, and community engagement.

VINEHEALTH AUSTRALIA'S DIGITAL BIOSECURITY PLATFORM



Key features of the Vinehealth Australia Digital Biosecurity Platform include:

1. A flexible data model enabling two-way integration with external data sources.
2. Data exchange capabilities enabling data gathering, surveillance and analytics.
3. Industry facing tools and data to support the development of value-adding third party services.
4. Advanced search and information retrieval enabling communication.
5. A modern user experience for growers, nurseries, wineries, contractors and conveyancers.

**THE PLATFORM
WILL PROVIDE THE
WINE AND GRAPE
INDUSTRIES THE
CAPABILITY TO CARRY
OUT EFFECTIVE AND
EFFICIENT BIOSECURITY
ACTIVITIES ACROSS
THE FOUR KEY
BIOSECURITY PHASES
OF PREPAREDNESS,
PREVENTION,
RESPONSE AND
RECOVERY.**

A SOUND INVESTMENT

The Digital Biosecurity Platform represents Vinehealth Australia's carefully considered response to three critical factors:

1. The changing, higher-risk biosecurity landscape.
2. The needs of our wine and grape industries in the face of this rising threat.
3. Rapid technology modernisation, which is enabling new approaches and reducing the value of our existing Vineyard Register.

Vinehealth Australia's proposed Digital Biosecurity Platform is critical to protect and enhance the future prosperity of our wine and grape industries.

The platform is also scalable and applicable to other plant industries across Australia.

We are seeking support to fund this project.

We also wish to highlight the fact that the platform represents an excellent commercial opportunity for private investors to become part of the app ecosystem.

Further detail is provided in the full Business Case, available upon request.

**To explore this investment
opportunity please contact:**

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VINEHEALTH AUSTRALIA

SAFEGUARDING OUR WINE INDUSTRY

THE PHYLLOXERA AND GRAPE INDUSTRY BOARD OF SOUTH AUSTRALIA (TRADING AS VINEHEALTH AUSTRALIA) IS COMMITTED TO MINIMISING THE RISK OF PESTS AND DISEASES (IN PARTICULAR PHYLLOXERA) IN VINEYARDS.

VINEHEALTH AUSTRALIA HAS BEEN A PROTECTOR OF VITICULTURE IN SOUTH AUSTRALIA SINCE 1899.

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