

## Research, Development & Extension Scope of the Wine Innovation Cluster

CLIMATE SOIL & WATER	VITICULTURE	WINE SCIENCE	PRODUCTION & DISTRIBUTION	CONSUMER
Climate change Sustainability Irrigation and water resources Efficient water use Salinity Root zones Soils Rootstocks Canopy management Agrochemicals	Sustainable production Viticultural management Reproductive biology Grapevine genetics Water relations Agrochemicals Vine physiology and nutrition Berry development and metabolism Flower and fruit set Fruit quality, flavour and aroma Pests and diseases Pathology Abiotic stress Waste management	Wine microbiology Wine chemistry Grape and wine analysis Metabolomics and systems biology Yeast and fermentation Wine quality Authenticity Trouble shooting and problem solving	Winemaking technology Process engineering and development Processing aids Micro-, small- and pilot-scale winemaking Efficient manufacturing (lean, environmental and carbon) Effective packaging Project management Distillation technology Sustainable production Waste management	Wine quality Sensory science Consumer preferences Consumer science Wine and health Wine marketing Regulatory
<b>Rapid Analytical Techniques</b>				
<b>Risk management and modelling</b>				
<b>Information and knowledge development, collection, management and dissemination</b>				
<b>Global markets and economic modelling</b>				
<b>Carbon footprint strategies</b>				
<b>Natural Resource Management</b>				