

Resource Summary Report

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CSIRO High Resolution Plant Phenomics Centre

RRID:SCR_012570

Type: Tool

Proper Citation

CSIRO High Resolution Plant Phenomics Centre (RRID:SCR_012570)

Resource Information

URL: <http://www.scienceexchange.com/facilities/high-resolution-plant-phenomics-centre-hrppc-csiro>

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Description: The High Resolution Plant Phenomics Centre (HRPPC) is the Canberra node of the Australian Plant Phenomics Facility and is located in Canberra at CSIRO Plant Industry and the Australian National University. This centre focuses on _??????_deep phenotyping_???? (delving into metabolism and physiological processes within the plant) and _??????_reverse phenomics_???? (dissecting traits to discover their mechanistic basis). Next generation research tools are applied to probe plant function and performance, under controlled conditions and in the field. Recent advances in robotics, imaging and computing are used in applying these technologies and scaling them from the single plant to the ecosystem level. Two levels of service are provided in the HRPPC. First, projects can be housed in the _??????_Research Hotel_???? environment where screening systems can be developed using facility staff and resources then deployed in the facility and in the user's home institution. Second, users_??????_ material can be screened for specific attributes using one or more of the modules housed at CSIRO or the ANU. The HRPPC's focus is on flexibility from cereals to dicots and woody perennials at all stages of development.

Abbreviations: CSIRO HRPPC

Synonyms: CSIRO High Resolution Plant Phenomics Centre, Commonwealth Scientific and Industrial Research Organisation High Resolution Plant Phenomics Centre

Resource Type: core facility, service resource, access service resource

Resource Name: CSIRO High Resolution Plant Phenomics Centre

Resource ID: SCR_012570

Alternate IDs: SciEx_490

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Record Last Update: 20260731T042847+0000

Ratings and Alerts

No rating or validation information has been found for CSIRO High Resolution Plant Phenomics Centre.

No alerts have been found for CSIRO High Resolution Plant Phenomics Centre.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.