



## SENATE SELECT COMMITTEE ON FINANCIAL TECHNOLOGY AND REGULATORY TECHNOLOGY

### ANSWERS TO QUESTIONS ON NOTICE

#### FINTECH AND REGTECH IN AUSTRALIA

7 July 2020

**REFERENCE:** Written questions on notice

#### **QUESTION:**

Please provide an update for the committee, since CSIRO's submission was lodged in December 2019, on AgTech initiatives being developed or supported by CSIRO

#### **ANSWER**

Please refer to the updates below on AgTech initiatives from our Digiscape Future Science Platform. CSIRO also has a large portfolio of research in digital agriculture. A number of examples can be found on the [CSIRO website](#). We would be happy to provide additional detail around any of these initiatives.

#### **LOOC-C**

[LOOC-C](#) allows farmers and carbon aggregators to assess the potential greenhouse gas abatement from management actions on their land. It was officially launched on 11th December 2019 in Canberra. The Clean Energy Regulator has now contracted CSIRO to explore options for ongoing deployment of LOOC-C.

<https://looc-c.farm/introduction>

#### **Graincast**

[Graincast<sup>tm</sup>](#) uses weather and soils information to forecast soil moisture and yield for grain crops. Graincast<sup>tm</sup> has over 250 registered users, who have applied the technology to 7500 fields. It has been acquired by an SME, Digital Agricultural Services (DAS). DAS have now delivered outputs from Graincast<sup>tm</sup> to grain handlers and traders, insurance companies, farmers and continue to develop markets for the products emanating from this research.

#### **1622WQ**

[1622WQ](#) is helping local farming initiatives monitor the nitrogen run off in their local catchment areas that feed into the Great Barrier Reef. It was officially launched on 16 January in Cairns by CSIRO's Chief Scientist and the CEO of Canegrowers and was accessed by over 1100 users in its first wet season.

## **Waterwise**

WaterWise advises farmers when to irrigate, using a plant stress prediction model from infrared sensors and weather forecasts. WaterWise has now been licensed to an Australian SME, Goanna Ag. CSIRO is continuing to validate the science with farmers and seeking further partners.