

# Data and analytics for enhanced biosecurity

## FORUM

20 July 2021, 1:00 – 4:00 pm

| Time            | Topic  | Speakers   |
|-----------------|--|--|
| 1:00            | Welcome  | Dr Jo Luck, Program Director, PBRI.  |
| 1:05            | Introduction   | Susan Maas, R&D Manager, CRDC.   |
| 1:10            | Strategic and operational intelligence - compliance analytics  | Pierre Skorich, Compliance Testing and Intervention, Department of Agriculture, Water, and the Environment.                |
| 1:35            | Bioplatforms Framework Initiative - Pathogen 'omics  | Dr Sarah Richmond, General Manager Science Programs, Bio Platforms.  |
| 1:50            | Fit-for-purpose satellite technology   | Bianca Kallenberg, Spatial Data Acquisition, Department of Agriculture, Water, and the Environment.                        |
| 2:05            | Hyperspectral and thermal imaging for <i>Xylella</i> , <i>Verticillium</i> and <i>Phytophthora</i> infection detection | Prof. Pablo Zarco-Tejada, Associate Dean, Professor of Precision Agriculture and Remote Sensing, University of Melbourne.  |
| 2:20            | Australian Invasive and Pest Species Genome Partnership - sequence libraries   | Dr Tom Walsh, Principal Research Scientist, Environmental Systems Biology, CSIRO.  |
| 2:35 pm - Break |  |  |
| 2:45            | AUSPestCheck - the plant pest surveillance virtual coordination centre   | David Gale, Manager, Data Management and Surveillance Communities, PHA.  |
| 3:00            | Automated image analysis for identifying biofouling risk on vessels  | Nathaniel Bloomfield, Research Fellow, Centre of Excellence for Biosecurity Risk Analysis (CEBRA) University of Melbourne. |
| 3:15            | High Throughput Sequencing platforms - coordination for enhanced diagnostics   | Prof. Brendan Rodoni, Research Director, Microbial Sciences, Pests and Diseases, Agriculture Victoria.                     |
| 3:30            | The Biosecurity Analytics Centre – data sharing  | Greg Hood, Principal Data Scientist, Department of Agriculture, Water, and the Environment.                                |
| 3:45            | <b>Questions and Discussion</b>  |  |
| 4:00 pm - Close |  |  |