

OpenAlea: Open software platform for plant modelling at different scales

PERSPECTIVES

Today, scientists have to solve new challenges due to technological and social innovation. High-throughput phenotyping platforms are producing a deluge of data that need to be processed; pluri-disciplinary model and data sharing is complex due to the lack of standards and of a common cyber infrastructure. Finally, biological systems are complex systems and require multi-scale and efficient computational models to be studied. The OpenAlea platform will evolve to a distributed and web infrastructure to manage the big data, produced by phenotyping platforms on the cloud. Web technologies will be used to promote the standard definition of standard for data and plant models in the international community.

Responsible :

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