



SIVAL

**THE WORLD-CLASS
TRADE FAIR FOR PLANT PRODUCTION**

THE FUTURE OF PLANT PRODUCTION STARTS HERE

PRESS RELEASE - ANGERS - MONDAY 26 JANUARY 2026

39TH EDITION OF THE SIVAL | 13-14-15 JANUARY 2026 AGREEN DÉFI : DIGITAL INNOVATION AT THE SIVAL

The first edition of Agreen Défi took place at the SIVAL, on the 13, 14 and 15 January at the Parc des Expositions d'Angers. This unique hackathon united students, lecturers, professionals and those involved in agricultural innovation, with one common aim : to create a solid and efficient solution as an answer to real problems facing companies and members of the specialist plant production sector.

AGREEN **DEFI**

SIVAL

For 48 hours, the multidisciplinary teams collaborated in order to design prototypes and proofs-of- concepts (POC). The event's ambition : **to encourage the emergence of solutions at the show, that are suitable for requirements on the ground, for the specialist plant production sector.**

As a result Agreen Défi assembled **40 students – experts in digital technology or in agronomy** from the ESA, Audencia Business School, the ESAIP, Polytech Angers, Epitech, the IUT of Angers-Cholet, the Campus de Pouillé and the ESEP, who were then put into five teams. After two days of intensive work, the teams proposed a solution to each of the problems that had been submitted.

5 innovative projects saw the light of day

Even if certain ideas needed fine tuning, the solutions presented were operational.

These projects were put before a jury made up of professionals, experts in innovation and in digital technology, as well as representatives from the different sectors.

AI and data, the tools that made things possible

The projects presented centred around data and digital tools for solutions that demonstrated the potential improvements in the performance of the different companies (time-saving, improved data management, decision making, making contacts...).

5 problems | 5 solutions

● OCVV - OPVO

Office Communautaire des Variétés Végétales (The European Office for Plant Varieties)

Problem : To find an efficient solution for the dynamic analysis of requests for the protection of plant varieties in the European Union in order to have a better understanding of their evolution, particularly during the dropout phases.

The solution offered : A digital monitoring tool with modelling and conception of charts allowing the evolutions to be followed. An interpretation module was also proposed with the emission of a report generated by AI.

OCVV : https://european-union.europa.eu/institutions-law-budget/institutions-and-bodies/search-all-eu-institutions-and-bodies/community-plant-variety-office-cpvo_fr

CPVO : <https://cpvo.europa.eu/en>



● GEVES

A study and monitoring group for Varieties and Seeds

Problem : How to automate the evaluation of new plant varieties and list the varieties already referenced by the Offices responsible for the identification of plant varieties ? (The varieties are listed on websites in PDF form and then entered by hand into the Geves directory database)

The solution offered : A digital application that enables information to be collected and extracted from the websites of the Office responsible for the identification of plant varieties in a uniform manner so that they can be integrated into the GEVES database. Equally, a module was created enabling the database to be interrogated in order for comparative analysis to be carried out.

GEVES : <https://www.geves.fr/>

● CTIFL

Centre Technique Interprofessionnel des Fruits et Légumes (Interprofessional Technical Centre for Fruits and Vegetables)

Problem : How to develop a module for predicting tomato yields under glass using climatic and agronomic data in order to predict harvest volumes at +2 and +4 weeks ?

The solution offered : The development of a hybrid approach combining a physiological model (TOMSIM) and Machine Learning models in order to predict the yield of tomatoes under glass at +2 and +4 weeks.

The physiological model provides an understanding of the biological mechanisms of yield, while Machine Learning exploits historical climatic and agronomic data in order to make the predictions more precise, whilst integrating delayed climate effects. It is all united within an interactive simulation interface, enabling different scenarios to be tested, parameters to be adjusted and results compared using CTIFL data.

CTIFL : <https://www.ctifl.fr/>

● GAIAGO

Problem : Using OCR technology (Optical Character Recognition) to digitise soil analyses automatically using photos or scanned documents, to integrate them into a database and then generate suitable recommendations for farmers ?

The solution offered : AppliSol, an application that enables a photo to be taken of the soil analyses to extract and standardise the information and provide precise recommendations for the solutions that should be deployed to aid farmers. It also simplifies the interpretation of the results internally.

GAIAGO : <https://www.gaiago.eu/>

● Les Cols Verts

Problem : To meet the growing demand for reconversion, and labour requirements for certain sectors, whilst making offers for training more visible.

The solution offered : The OYA enables the profile of a candidate wanting reconversion to be guided towards the profession and/or appropriate training for his project and his personal values. This application also enables a community to be created.

Les Cols Verts : <https://www.lescoldsverts.fr/>

A bridge between training, innovation and the professional world

By being a part of the SIVAL, Agreen Défi encouraged discussions between students, businesses and members of the specialist plant production sector. This event was new at the SIVAL, a show for innovation and finding solutions for the future of the specialist plant production sector. It confirmed show's role as a laboratory for ideas and skills, and revealed profiles that were capable of designing innovative and operational solutions for plant production in the future in record time.

Agreen Défi has made itself and unmissable event for encouraging the integration of new digital technology for the benefit of businesses in the specialist plant production sector.

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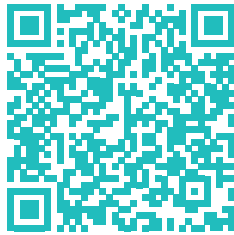
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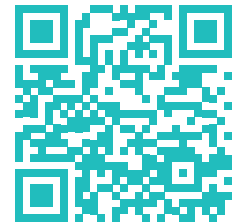
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The website www.sival-angers.com allows you to discover the entire SIVAL program and offerings focused on the major challenges facing the specialized plant industries. Click here to find out more!



THE SIVAL ORGANISED BY DESTINATION ANGERS

A brand covering the SPL (Société Publique Locale) ALTEC (Angers Loire Tourisme Expo Congrès), whose two shareholders are Angers Loire Métropole and the town of Angers, the SIVAL serves to develop the specialist plant production sector. At Angers, capital of specialist plant production, the SIVAL fits in perfectly with the sustainable development initiative: certified ISO 20121, Destination Angers is continually committed to a policy of responsible management for its activities.



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WWW.SIVAL-ANGERS.COM

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An event



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