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INDUSTRIAL  
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Second edition

12

DEC 2021

Specifications of



competition

# OLIVIA Competition

OLIVIA's vision is to see olive trees not only as a target for monitoring, but also as part of the monitoring infrastructure in the spirit of the Internet of Things (IoT) revolution.

Networked olive tree sensors record and transmit physiological data at the level of individual trees together with environmental parameters.

Artificial Intelligence (AI) methods use this information in combination with environmental data to predict the condition of the olive parcel.

By detecting anomalies in the sensor data time series, risks to olive trees with respect to water supply can be identified at an early stage.

Analogous to weather observation, the olive tree parcel receives its own monitoring and early warning system.

## Rules of OLIVIA Competition

- Each team has to be composed of 3-5 candidates
- It is possible to start working on the project on December 5, 2021, the day of the competition's announcement
- Submission deadline: December 10, 2021

What should be submitted?

- A few slides presenting the idea (obligatory)
- A video demonstrating the developed prototype (optional)
- A real demonstration of the prototype (optional)

The results of the pre-selection phase will be sent by e-mail on December 11, 2021, indicating which teams have been selected for the final pitch. The final pitch will take place on December 12, 2021

## Judging criteria

- Impactful
- Realistic
- Quality
- Innovative
- Promising
- Well Presented

Project ID	#1	#2	#3	#N
<b>IMPACTFUL</b> <ul style="list-style-type: none"> <li>Importance of the problem tackled</li> <li>Extent of the impact the solution can have</li> </ul>	/20	/20	/20	/20
<b>REALISTIC</b> <ul style="list-style-type: none"> <li>Demonstration of a working prototype</li> <li>Clear path to a complete solution</li> <li>Elaborate design of solution</li> <li>Fits user reality</li> <li>Fits the ecosystem of infrastructure</li> </ul>	/20	/20	/20	/20
<b>QUALITY</b> <ul style="list-style-type: none"> <li>Quality of the design, UI</li> <li>Usability for the target users</li> <li>Quality of the architecture</li> </ul>	/20	/20	/20	/20
<b>INNOVATIVE</b> <ul style="list-style-type: none"> <li>New technologies, new ways of thinking in the field, new concepts</li> <li>Distinctive characteristics</li> <li>Elegance of the solution</li> </ul>	/20	/20	/20	/20
<b>PROMISING</b> <ul style="list-style-type: none"> <li>Really has potential!</li> <li>Can be adopted naturally and rapidly</li> <li>If possible: Could become a real business</li> </ul>	/20	/20	/20	/20
<b>WELL PRESENTED</b> <ul style="list-style-type: none"> <li>Clear, Succinct, Inspiring</li> <li>VISUAL (UI, Design, etc.)</li> <li>Clearly makes the audience understand the extent and importance of the problem</li> </ul>	/20	/20	/20	/20