

The prototype PhasmaFOOD Multisensor Food-Scanning Device is ready!

The PhasmaFOOD consortium proudly announces that the first integrated PhasmaFOOD prototype device is now fully assembled, functional and is ready to be used in the first phase of validation and calibration activities of the project.

The PhasmaFOOD sensing device integrates a sensing node and an electronic subsystem. A sensing node conducts the sensory measurements on the food samples and includes an Ultraviolet-Visible (UV-VIS) spectrometer, a Near-Infrared (NIR) spectrometer, a camera, and Ultraviolet (UV), white and NIR illumination sources. An electronic subsystem supports the operation of the sensing node by controlling the sensing measurements, collecting the sensory data, partially processing them and sending them to the end user's mobile device. The mobile device communicates the sensory data and contextual information to the cloud platform for further analysis. The cloud platform returns to the end user (at their mobile application/screen) the final decision on their scanned food sample.



PhasmaFOOD food quality partners will now be able to use the PhasmaFOOD prototype in order to collect information and experimental data allowing the continuation of data analysis and the completion of experiments for all use cases.

The PhasmaFOOD solution aims at providing end users a fast and safe decision on whether they should consume food samples or not, based on the level of mycotoxins, spoilage or adulteration they feature.

PhasmaFOOD is an EU-funded H2020 project that represents a strong consortium of nine leading food security, sensing technologies and information technology stakeholders in Europe, coordinated by INTRASOFT International. PhasmaFOOD is working on the development, demonstration and exploitation of a miniaturized smart integrated system that will be able to detect food hazards, spoilage and food fraud through heterogeneous micro-scale photonics.

For more information about **PhasmaFOOD project**, please visit the project website: <http://www.phasmafood.eu/>

If you are interested in the PhasmaFOOD project, or if you have questions, please contact us at info@phasmafood.eu

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Join Us at:  @PhasmaFOOD #PhasmaFOOD  PhasmaFOOD Project Community on Sensing Technologies for Food Quality & Safety Group

 PhasmaFOOD



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