GreenTropism, french specialist in spectral data analysis will take part in the CFIA salon for the first time, and launches its new software GT-DataManager for spectral DataBase creation and management.

Press release

Paris, France – February 28 2019 – For its very first participation at the CFIA convention, that will take place from the 12th to the 14th of March 2019 in Rennes, GreenTropism will present its latest software GT-DataManager, a collaborative tool for spectral Database creation and management. This convention will also be the occasion for GreenTropism to present it different skills in data treatment and analysis automatization thanks to machine learning tool applied to food industry.

Quality is a recurrent problem that remains at the center of consumers worries, especially in the food domain (**industry?**). The idea of quality is made out of different aspects: nutritious, sanitary and organoleptic (taste) quality. Using artificial intelligence with infrared spectroscopy allows a real time product control throughout their cycle, thus offering time and budget savings compared to usual laboratory tests. Indeed, through spectrometers miniaturization and affordability paired with with AI that enables continuous analyses without an operator intervention, makes its use possible all along the process line.

This way GreenTropism guides its clients through different issues, from raw material control to quality control through real time process monitoring. These solutions can also be applied to adulterated or counterfeited products (honey, spices, oils…), being an extra quality warrant at the reception and in the process line.

All those connected and autonomous solutions are perfectly embedded in a factory of the future or industry 4.0 dynamic and meets environmental (reduction of product loss and energy consumption) and quality issues.

GT-DataManager software is a collaborative tool for secured spectral data base creation and management. Conceived for industrialists and different institutions involved in developing applications, that may have various collaborators intervening on different sites and equipped with different spectrometers. Data is structured, shared and accessible wherever you are. Databases, now normalized, are an important starting point in enhancing your data, through machine learning and artificial intelligence tools and meeting operational needs.

GreenTropism aims at widening spectroscopy's public and making it more accessible as well for industrialists as for the general public. The company has developed a committed expertise in miniature infrared spectroscopy implementation, guiding industrialists in relevant equipment choice

(spectrometer). Visitors will be able to grasp all the potential spectroscopy and connected tools (mobile app, control interface…) applications for their sector's issues through demonstrations. GreenTropism keeps evolving and is currently developing a solution using hyperspectral imaging for real time cookie baking control.

Upon this fair, GreenTropism will intervene on March 13th during the "Photonics 4 Agri-food" conference, co-organized by Photonics France and Photonics Bretagne. You may also meet GreenTropism's team in the Village FoodTech within the Usine Agro du Futur hall organized by Bretagne Développement Innovation.

About GreenTropism:

GreenTropism embraces the challenges of Smart Industries and supplies software solutions for non destructive monitoring.

Combining expertise of our spectroscopists, data scientists and developer, GreenTropism solution is a all-in-one connected tool to enable real time monitoring and reactive decision-making process.

The company relies on partnerships with research centers like IRSTEA (Institut National de Recherche en Sciences et Technologies pour l'Environnement et l'Agriculture) and deploy ist solution in environment, agroindustry, textile, petrochemical, cosmetic industries. www.greentropism.com

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