

Photonics innovation for agrifood applications

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**PhotonHub
Europe®**



B-PHOT
BRUSSELS
PHOTONICS



PHOTONICS

The science and technology that innovates with the unique properties of light.

Photonics for safe, nutritious and affordable food

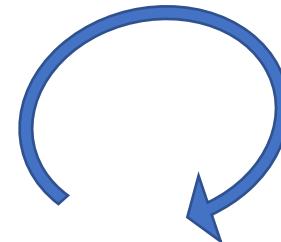
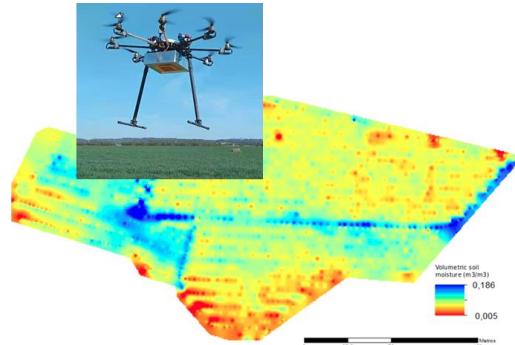
Harvest inspection



Storage monitoring



Soil and crop monitoring on field / vertical farm



Miniaturization, Portable inspection



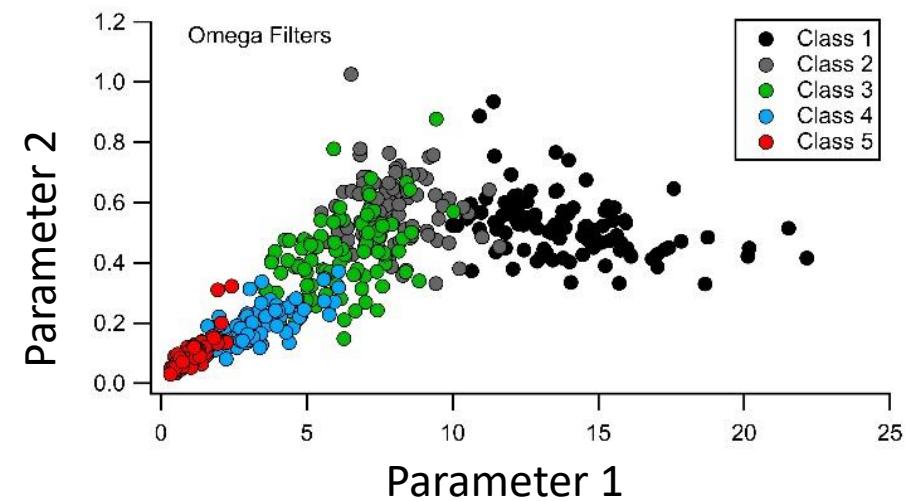
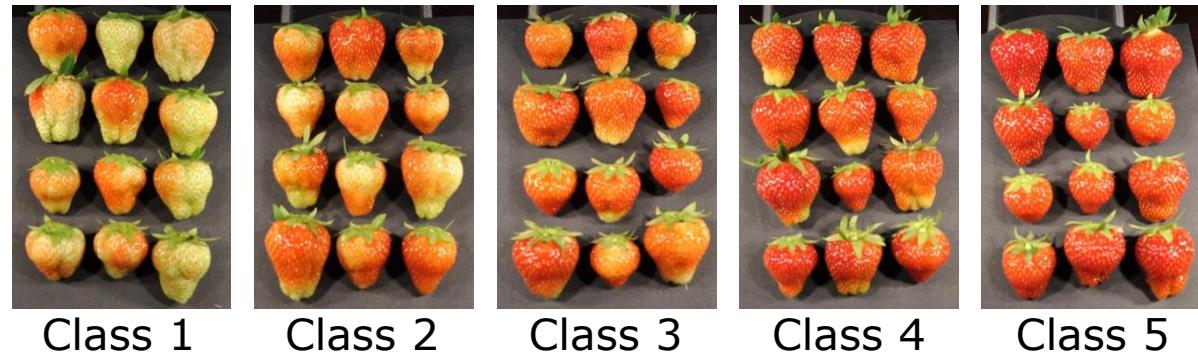
Food and water safety and quality



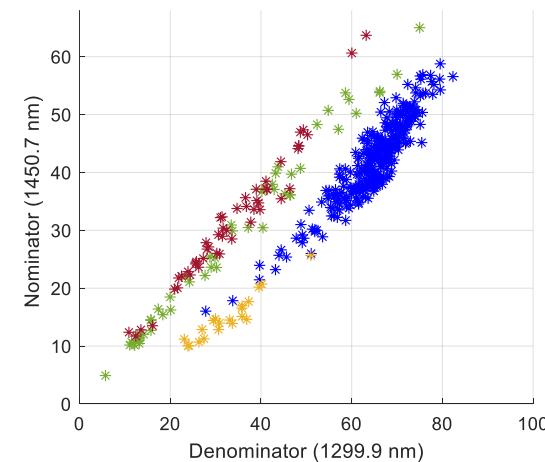
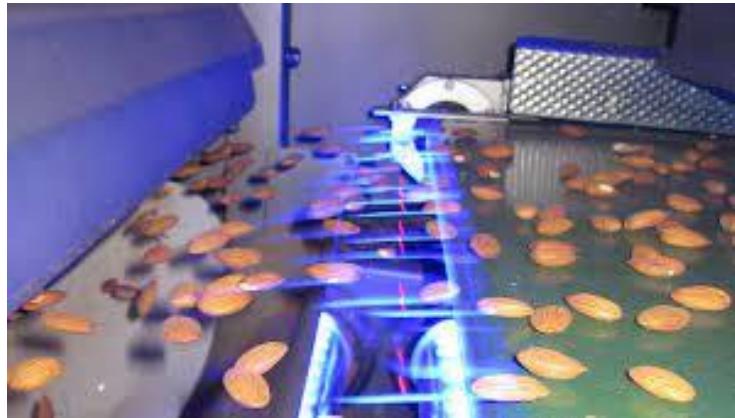
Ripeness detection and harvest prediction



Movie courtesy of Octinion



Optical design and spectroscopy



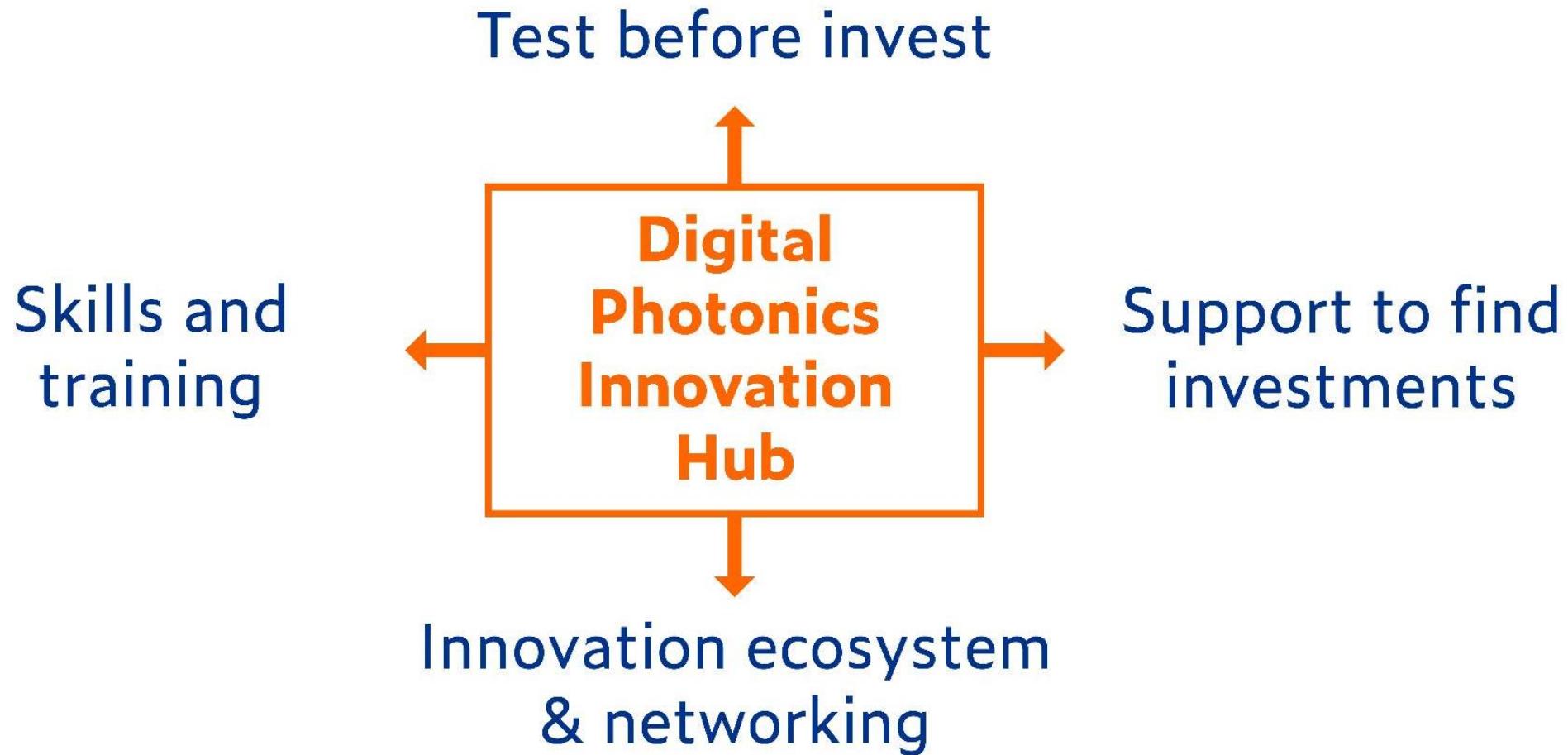
RGB and NIR
camera unit

radiometer

SWIR and thermal
camera unit



Single One-Stop-Shop





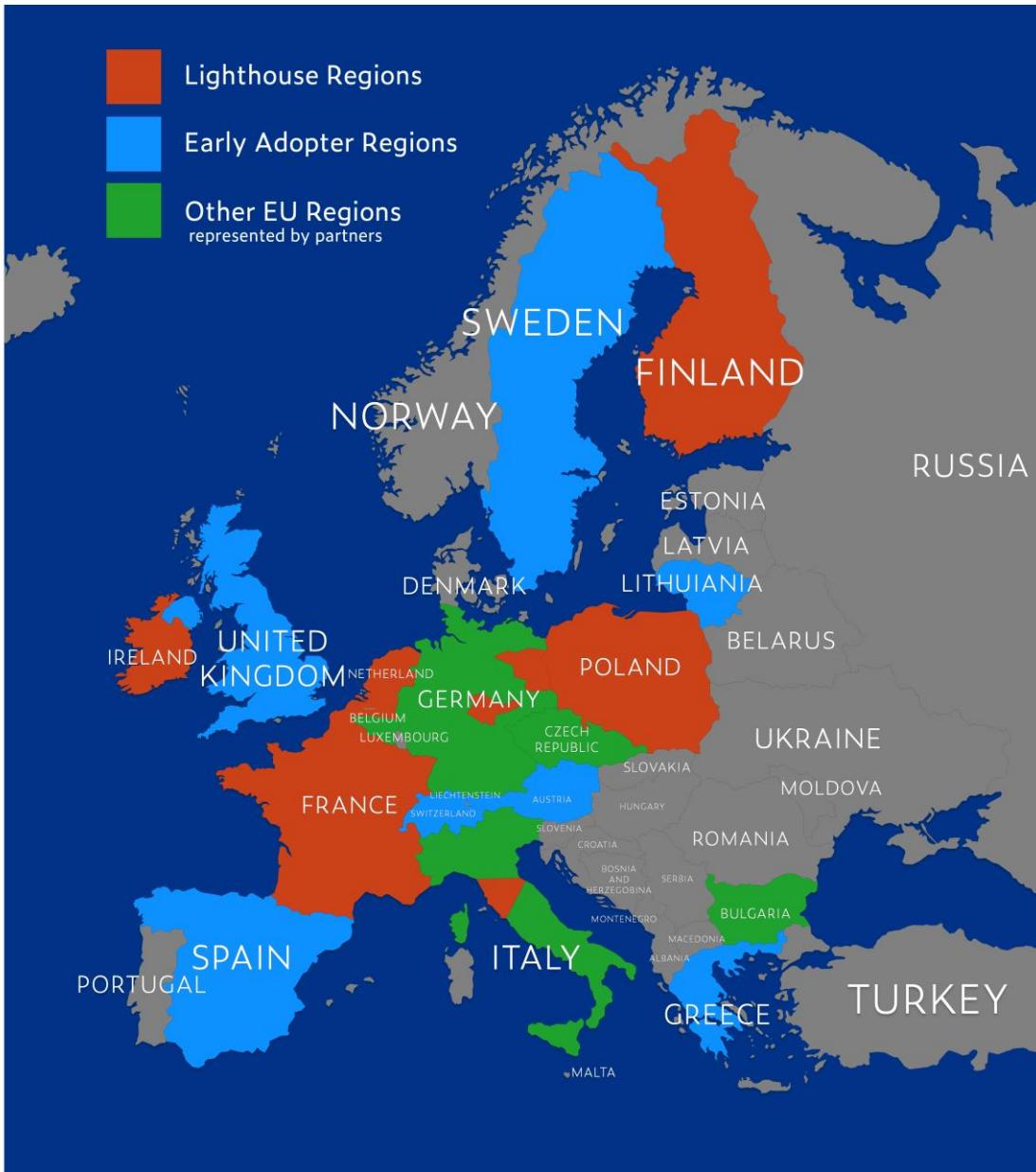
**PhotonHub
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500+ EXPERTS

15 MEMBER STATES

54 PARTNERS

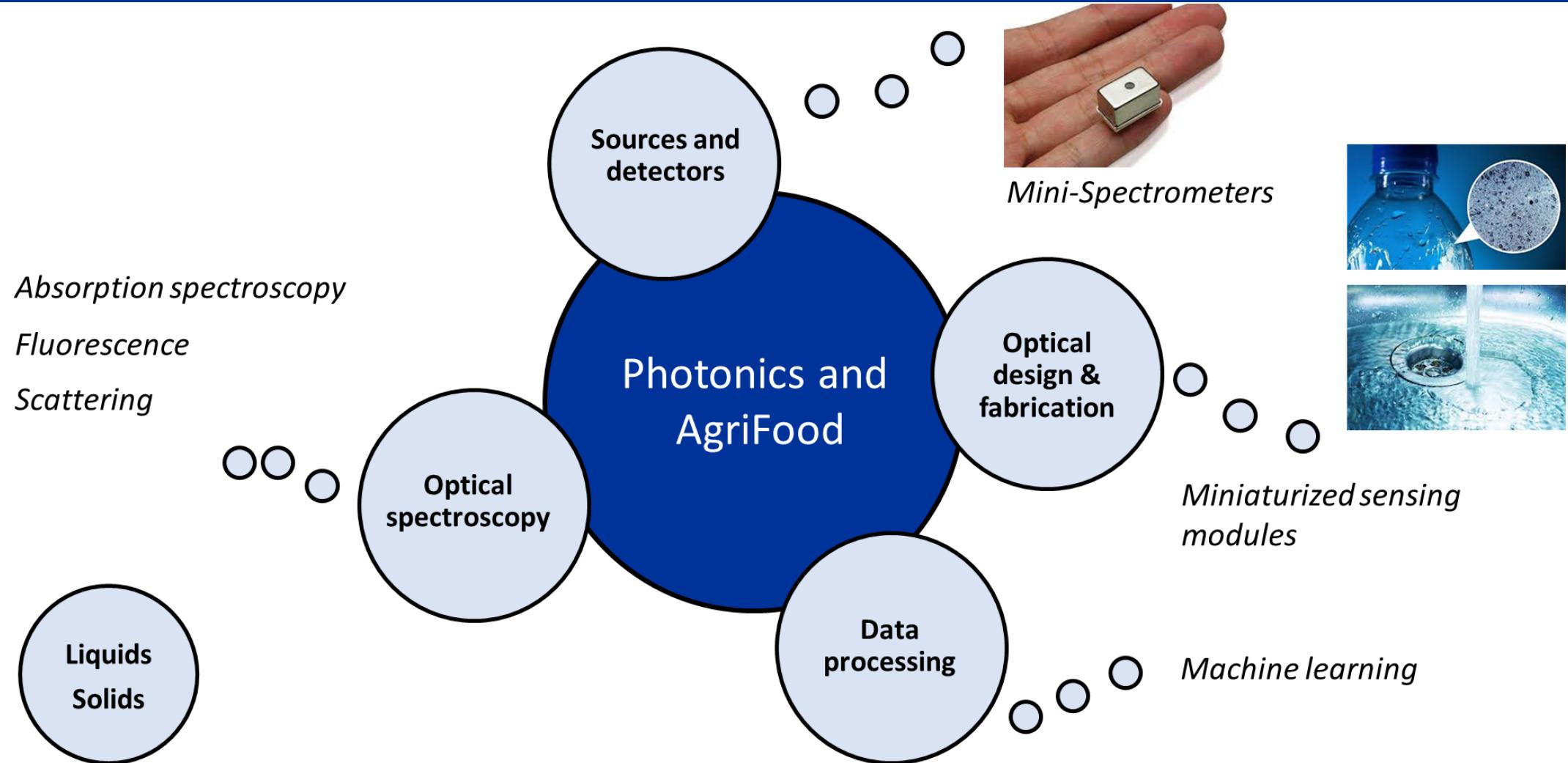
36 Technology Support partners
18 Local Photonics Hub partners
+ 6 Business Support partners



PhotonHub supporting photonics innovation



Agrifood applications benefitting from photonics



Photonics innovation support by PhotonHub Europe



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Demo Centre Photonics & Food: 2 February 2023