

A Joint AI Call 2020 project on Safety and Security

Spectralligence

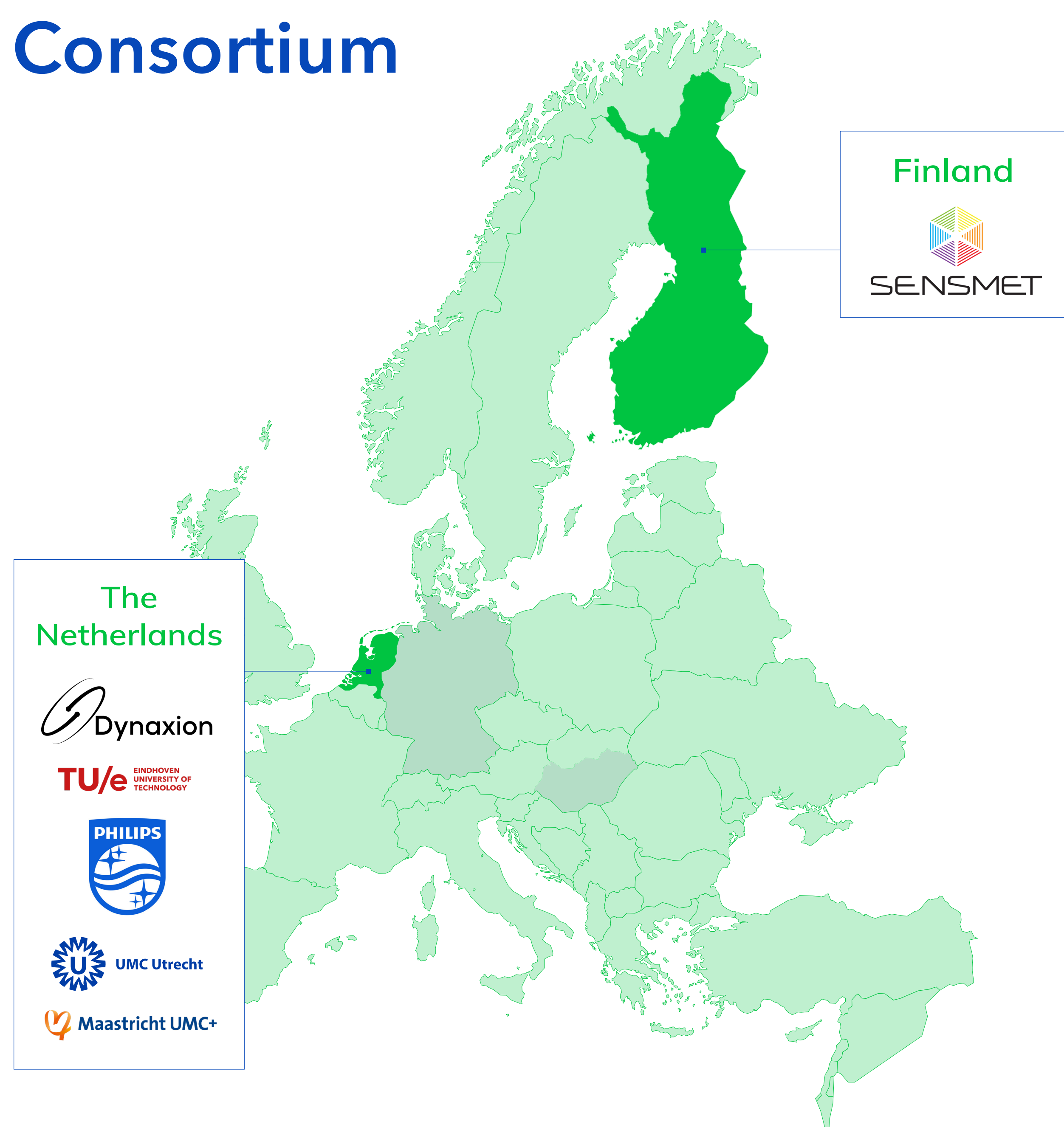
25 years  ITEA 4
1998 – 2023

Miniaturisation and simplification in Molecular and Atomic Spectroscopy

Project summary

Molecular and Atomic Spectroscopy is a set of technologies using the electromagnetic spectrum to generate unique fingerprints of molecular structures, with applications in chemistry, medicine and environmental and safety services. Spectralligence will use AI to miniaturise and simplify Molecular and Atomic Spectroscopy technologies for greater affordability and usability by non-experts.

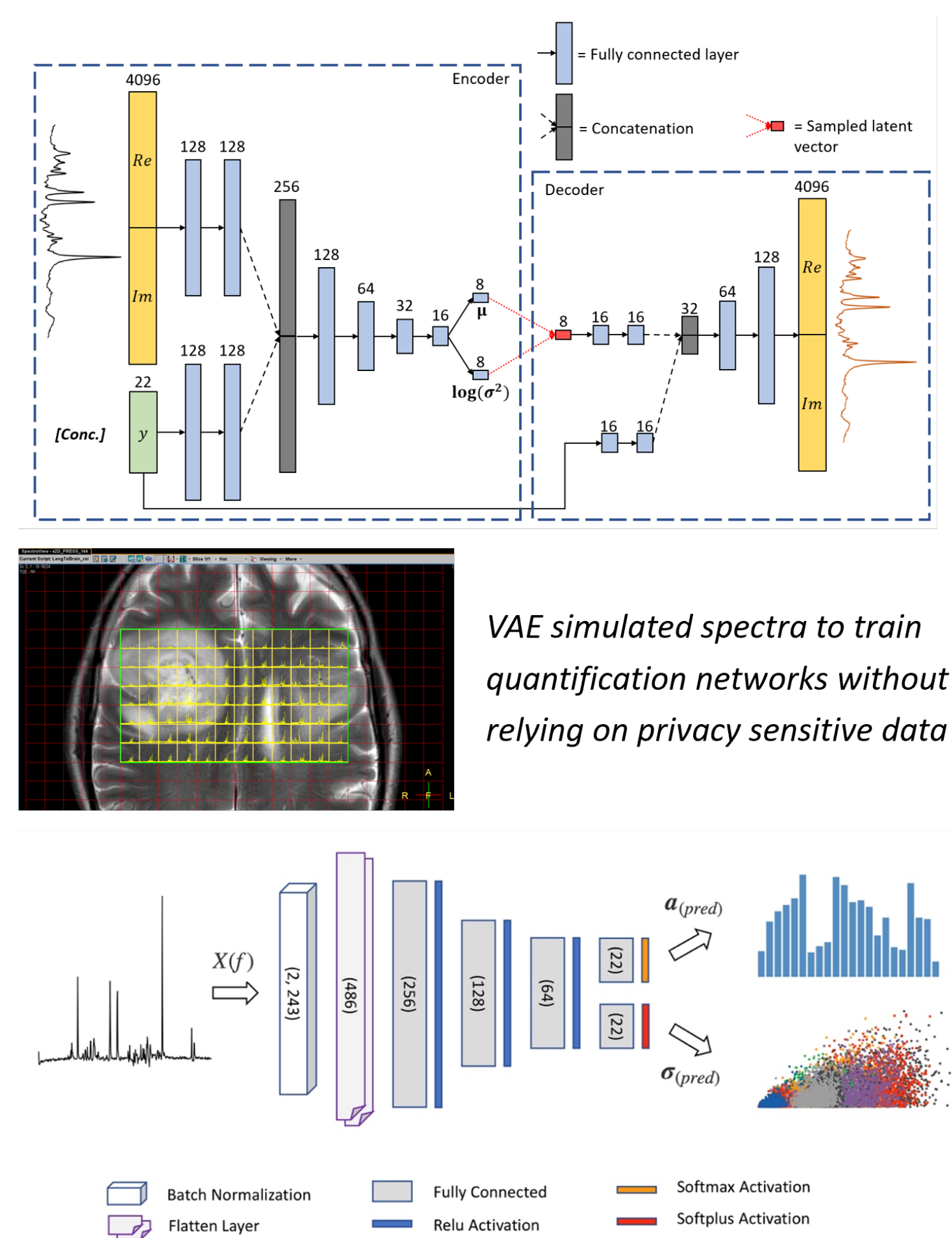
Consortium



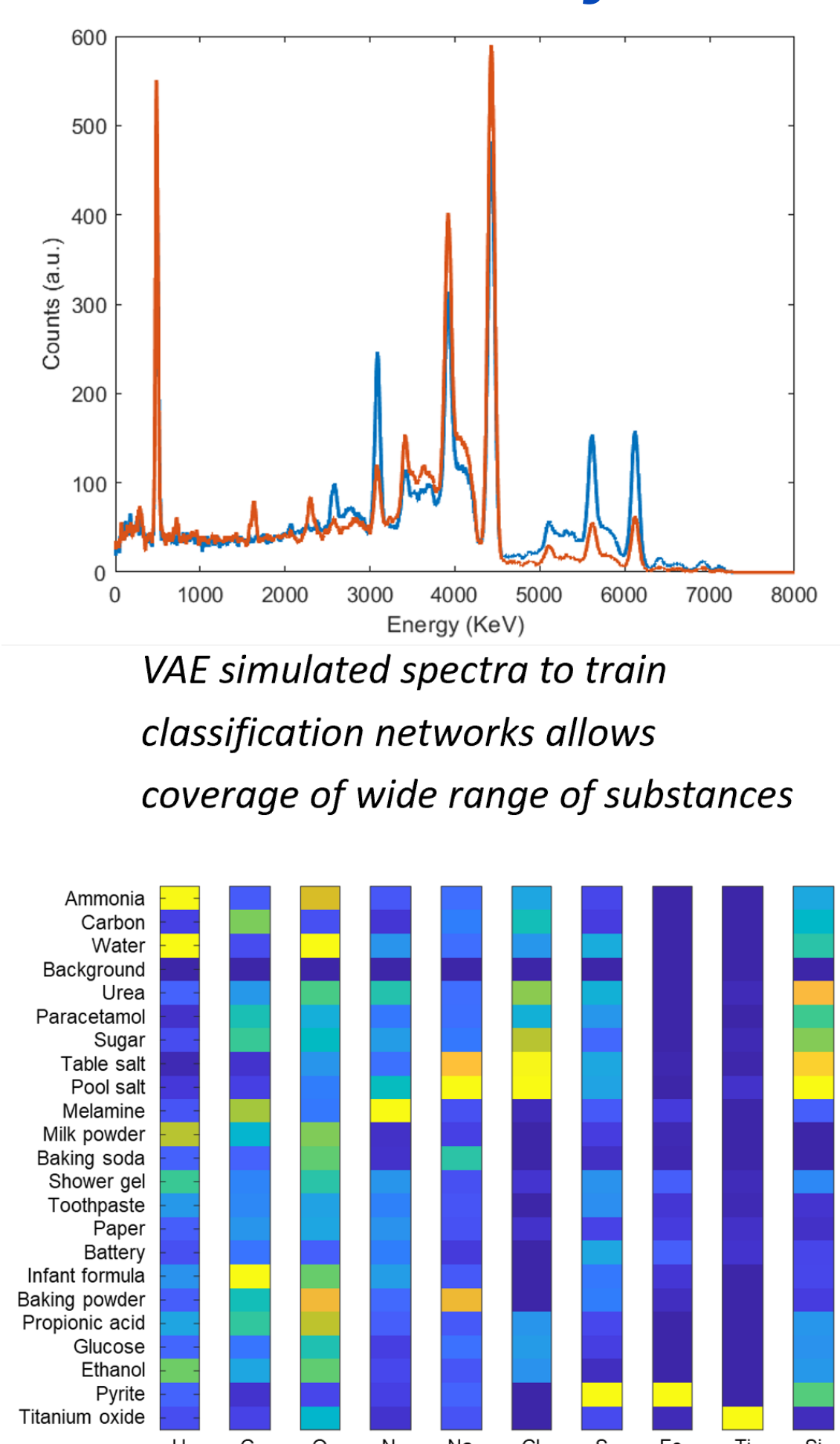
Project duration

November 2021 - October 2024

Medical



Security



Unique Selling Points

- Single-click AI auto-tuning reduces calibration lead times from weeks to hours for AES water analysis
- Fast and accurate clinical MR spectroscopy for the non-expert through AI/ML classification and quantification
- Accurate, low false-alarm rate luggage and parcel screening through AI-enhanced neutron spectroscopy

More information



SCAN ME

<https://spectralligence.eu/>



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This ITEA project is supported by:

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