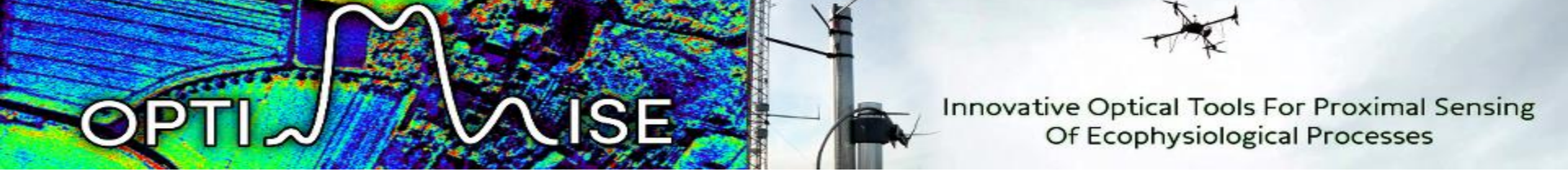

COST Action ES1309
Earth System Science and Environmental Management (ESSEM)

Workshop to Develop draft cal/val and NG EO science plan in the OPTIMISE context to support ESA FLEX

@ the National Institute for Laser, Plasma and Radiation Physics,
Center for Advanced Laser Technologies,
Center for Science Education and Training,
Magurele, Romania

Dr Alasdair Mac Arthur
Senior researcher in passive Earth observation,
GeoSciences, U. of Edinburgh
Chair COST Action ES1309 'OPTIMISE'

COST is supported by the EU Framework Programme Horizon 2020

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OPTI MISE

Innovative Optical Tools For Proximal Sensing Of Ecophysiological Processes

Measurement and instrument inter-comparisons

Programme Horizon 2020

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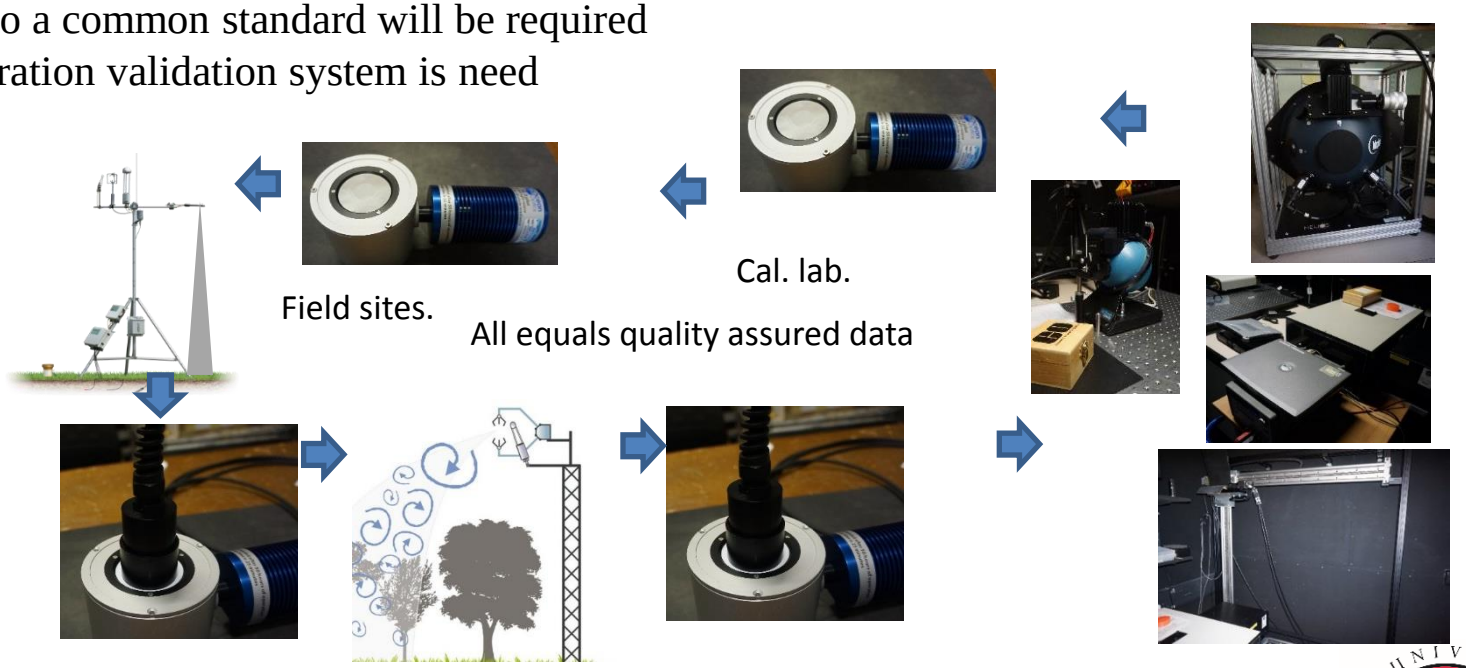
Instruments need to be calibrated and characterised by common standards, methods and protocols

Field spectrometer calibration needs to be validated in the field and repeated during temporal sampling periods

- Proximal hyperspectral measurements to support FLEX need to be able to resolve changes < 2% of TOC calibrated radiances and do so over extended periods logging in the field
- Calibration to a common standard will be required
- A field calibration validation system is need



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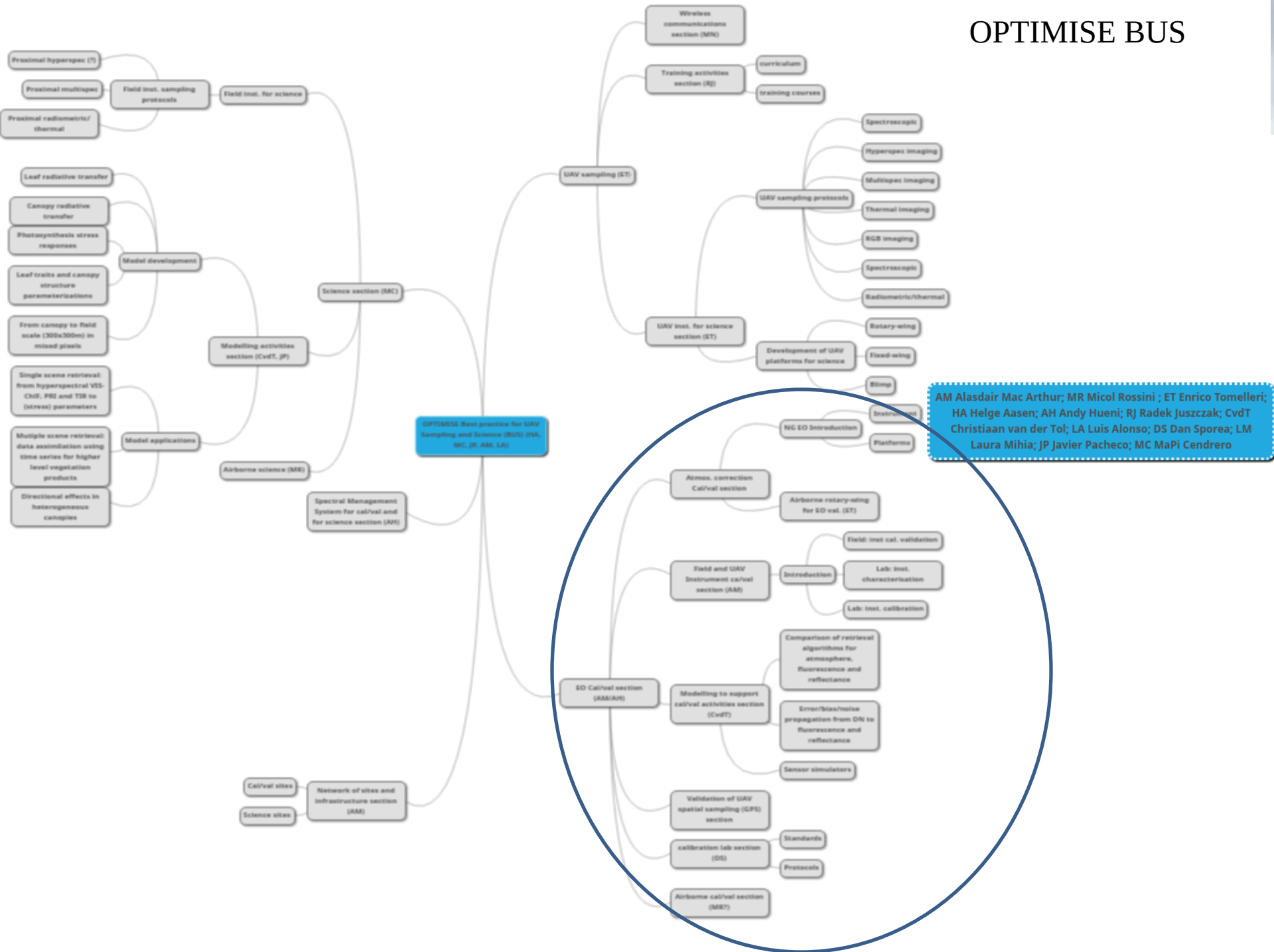
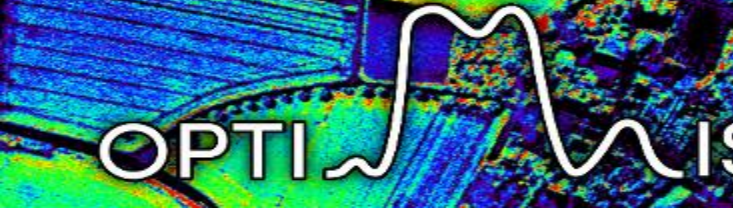
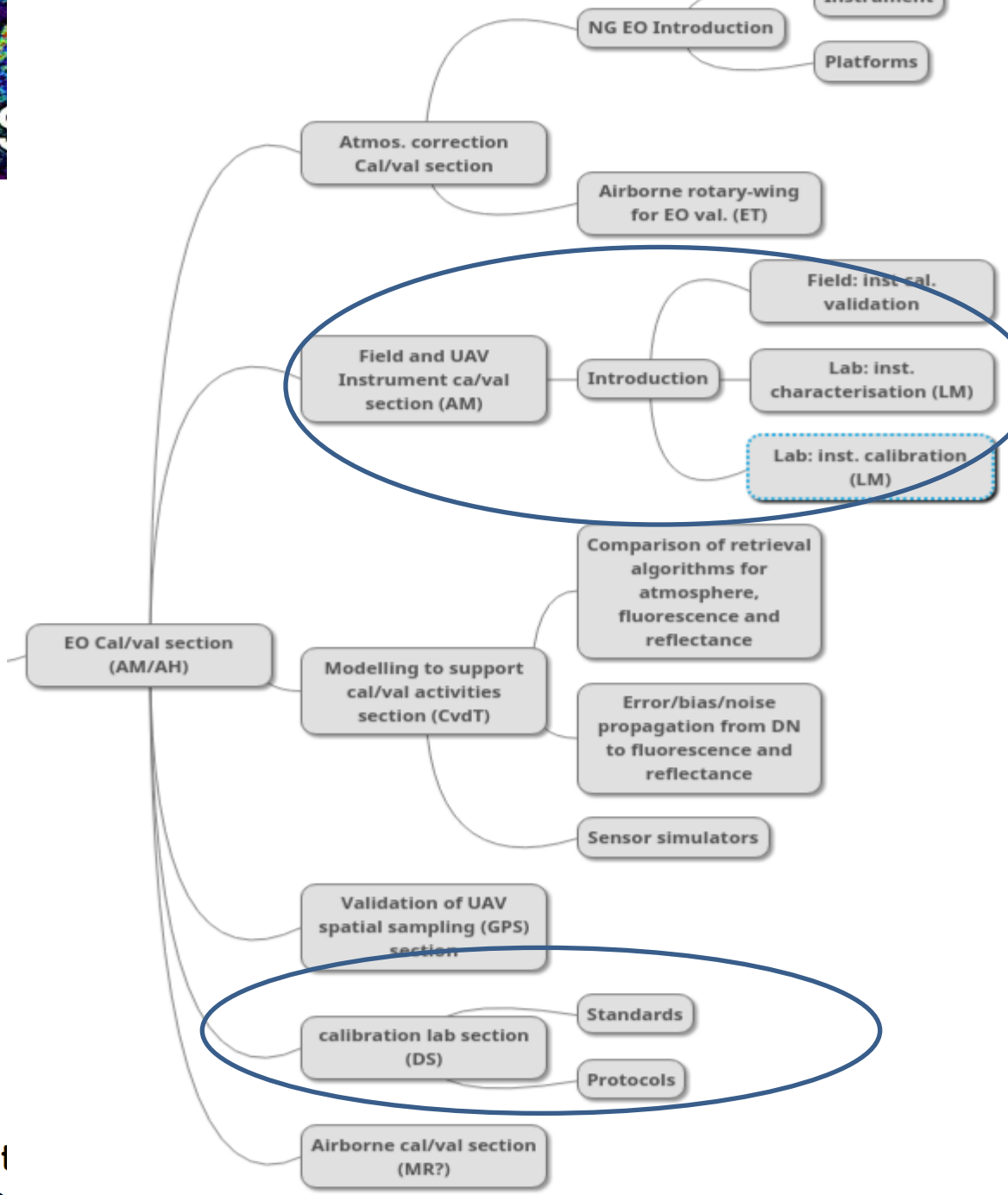
OPTIMISE BUS



AM Alasdair Mac Arthur; MR Micol Rossini ; ET Enrico Tomelleri; HA Helge Aasen; AH Andy Hueni; RJ Radek Juszczak; CvdT Christiaan van der Tol; LA Luis Alonso; DS Dan Sporea; LM Laura Mihia; JP Javier Pacheco; MC MaPi Cendrero



2 areas of primary interest for this workshop



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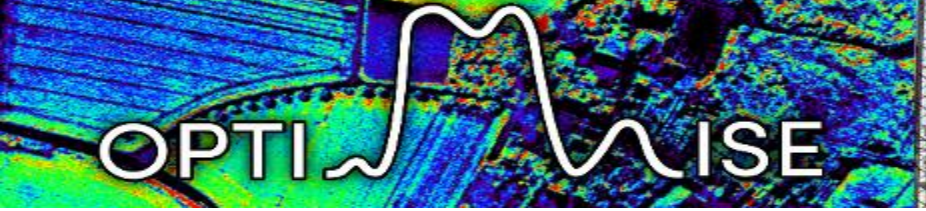

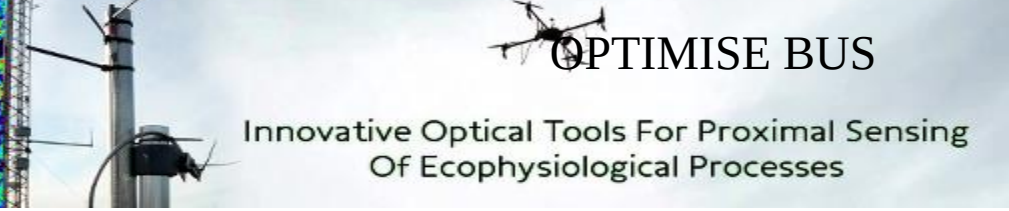

Thank you for coming

Remember to sign the attendance sheet every day – no signature no expenses!

MaPi, Javier, and Helge will now lead the workshop

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