

COST Action CA24131

**European Network for Radiation-Detection-based Research
and Innovation addressing increasing societal Challenges -
ENRICH**

1 st Call for applications for hosting STSMs

Host Organization (Name, website)	University of Girona. Department of Chemistry. Analytical and Environmental research group (QAA) (https://www.udg.edu/en/grupsrecerca/Quimica-analitica-i-ambiental)
Location/Country	Girona, Spain
Short description of the activities that could be done during the period of stay	During the stay in the QAA research group participants of the Short-Term Scientific Mission (STSM) will be able to test and analyze samples of their interest using the X-ray fluorescence techniques available (TXRF, EDXRF, micro-XRF). They will participate in the measurements and further data treatment.
Available Resources (Laboratories, experimental set-ups, beamlines, spectrometers, software, etc....)	Analytical chemistry laboratory fully equipped for sample preparation and X-ray fluorescence analysis. Available instrumentation: TXRF, EDXRF, micro-XRF (also reference techniques for results comparison such as ICP-OES and ICP-MS).
Specific instrumental details (γ-, X-ray Detectors, X-ray sources, data acquisition systems, etc.)	TXRF: W X-ray tube, 50W (50kV, 1mA) EDXRF: Pd X-ray tube, 50W (with different primary filters) Micro-EDXRF: W X-ray tube, 50W, collimators: 0.1-3mm.
Relevance with ENRICH WGs	WG 5: <i>Multidisciplinary and Societal Applications.</i> The QAA research group has a wide and accredited experience in developing analytical

	methods based on the use of X-ray fluorescence-based techniques and its application in many different fields: environment, health, food, industry, material sciences, etc.
Length of the STSM	From few days to 1 month (but not in the period April-May)
Contact person (name, surname, email)	Eva Marguí, eva.margui@udg.edu