



COST Action CA18130  
COST Association

COST Grant System  
21 January 2020

## Action CA18130 Fact Sheet

### Title

European Network for Chemical Elemental Analysis by Total Reflection X-Ray Fluorescence

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### Details

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Start of Action: 13/03/2019	Entry into force: 12/12/2018
End of Action: 12/03/2023	CSO approval date: 13/11/2018

### Objectives



The "European Network for Chemical Elemental Analysis by Total reflection X-Ray Fluorescence" Action aims to coordinate research and building capacity in the field of elemental analysis by total reflection X-ray fluorescence spectroscopy (TXRF) to develop and assess new tools, protocols, methodologies, and instrumentation for screening and accurate determination of potentially toxic elements, for health and safety reasons, as well as nutrients and beneficial ones for quality control.

The Action will create an infrastructure for scientific communication, exchange, collaboration, to enhance technical standards, advance measurement science, fostering new research activities and combining the partners' expertise in chemistry, physics, life science and engineering. This network will provide the information and tools to maximize European competitiveness in forming and attracting talented scientists, supporting new sources and capabilities that improve research productivity, quality, dissemination, efficiency, and career development.

The outcome is a novel technology portfolio for TXRF applications that will benefit science, economy and the society. The activities will enable breakthrough scientific developments leading to new concepts and products, increasing Europe's research and innovation capacities, and supporting European Commission regulation organisations in crucial fields as environmental protection, food safety, life science, and nanotechnologies. ENFORCE TXRF will create well-organized and sustainable partnerships, preparatory to joint projects by dissemination of scientific knowledge and actively engaging new stakeholders.

The Action will attract the next generation of scientists, ensuring that Europe will remain at the frontline of research for the development of new tools for the chemical analysis.

Parties							
Country	Date	Country	Date	Country	Date	Country	Date
Albania	12/12/2018	Austria	12/12/2018	Belgium	28/01/2019	Bosnia and Herzegovina	24/05/2019
Croatia	05/12/2018	France	04/12/2018	Germany	07/01/2019	Greece	03/01/2019
Hungary	02/01/2019	Ireland	09/01/2019	Italy	17/12/2018	Latvia	22/01/2019
North Macedonia	29/03/2019	Poland	14/12/2018	Portugal	19/12/2018	Romania	15/03/2019
Serbia	12/12/2018	Slovenia	18/12/2018	Spain	21/01/2019	Sweden	01/02/2019
Turkey	05/12/2018	United Kingdom	05/12/2018				

Total: 22

Intentions to accept the MoU							
Country	Date	Country	Date	Country	Date	Country	Date

Total: 0

### Working Groups

None

### Website

<https://enforcetxrf.eu/>

### Management Committee

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