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## PORTASAP

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# European network for the promotion of portable, affordable and simple analytical platform

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### OBJECTIVES

The high cost of scientific instruments and need for skilled professionals limit the application of modern analytical techniques to few social and economic domains of society, hindering a broader application and scientific breakthroughs. It is today possible to achieve fast and efficient analysis employing low-cost devices. These devices, which are, by far, more affordable for SMEs and small organisations, will promote wider use of analytic platforms.

### PROGRAM

PortASAP aims to work toward this goal by involving scientists working in separation sciences, engineers, chemometricians and other scientific fields, with end-users without expertise in analytical chemistry and instrument manufacturers.

PortASAP covers the following scientific domains :

- Validation and Dissemination of Open Source Hardware (WG1),
- Information and Communication Technology and Software Development (WG2),
- Fields Tests and Application (WG3),
- Sample Treatment and Microfluidics (WG4),
- New Instrumentation (WG5) and Exploitation Results (WG6).

Regular meetings involving EU delegates of the action or only members of the WGs (taskforce meetings) are organized to exchange the current knowledge within a broader group, to discuss new themes and provide the possibility for new collaborations.

Important tools of PortASAP for end-users are the training schools for specific topics and the Short-Term Scientific Missions designed to train scientists or professionals from one country represented in COSTTD16215 at institutions from another similarly represented country.

### USEFUL LINKS

About COST – European Cooperation in Science and Technology :  
(<https://www.cost.eu>)

About PortASAP - European network for the promotion of portable, affordable and simple analytical platform – CA16215 ([www.portasap.eu](http://www.portasap.eu))

### FUNDING

COST Association under the EU Framework Programme Horizon 2020.

### PROJECT LEADER

Laboratory for Process Engineering, Environment, Biotechnology and Energy Chemical Engineering Department Faculty of Engineering - University of Porto (LEPABE)

### SCIENTIST IN CHARGE AT HE-ARC

Christian Degriigny (WG3 leader)  
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### PARTNERS

Thirty EU and non EU countries

### DURATION

48 months  
2017 – 2021 (extension until 2022)