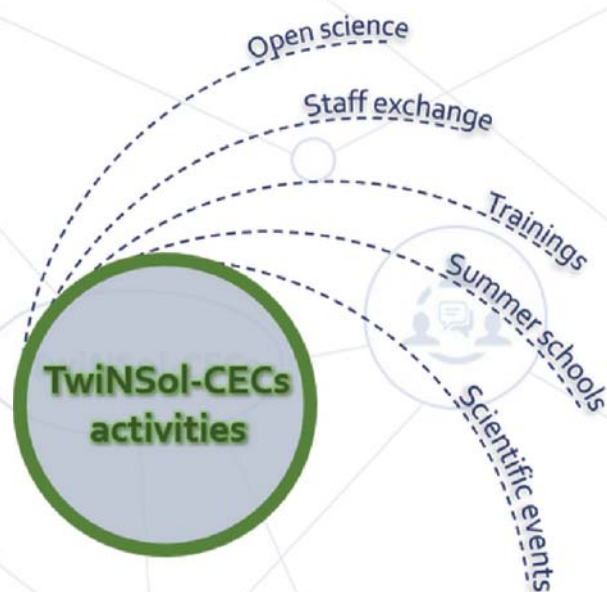


**Today's
science
is tomorrow's
technology.**
Edward Teller



To ensure a clean environment, knowledge on contamination distribution and pollution sources should be constantly advanced. The challenges associated with CECs have received great consideration due to their high mobility, persistency, and adverse effects.

Wastewater monitoring is of high priority since its utilization as unconventional resources is considered to address water scarcity. Therefore, the enhancement of various technologies' efficiency for the CECs' removal from wastewater is a critical need for the protection of water and environment in general.



Innovative research results obtained for studied CECs removal strategies will contribute to the existing international efforts toward the development of cost-effective and environmentally-friendly solutions for passive monitoring and/or removal of CECs.

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Funded by the
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European Union

Funder
European Commission

Project code
101059867

Call for proposal
HORIZON-WIDERA-2021-ACCESS-02

Grant amount: € 1 432 937,50

**Twinning for enhancing the scientific excellence
of Faculty of Technology Novi Sad
for innovative solutions to protect environmental resources
from contaminants of emerging concern**

TwiNSol-CECs

Coordinator

UNIVERSITY OF NOVI SAD
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Beneficiaries

THE SPANISH NATIONAL RESEARCH COUNCIL
(CSIC)
Institute of Environmental Assessment
and Water Research
Barcelona, SPAIN



NOVA UNIVERSITY OF LISBON (UNL)
NOVA School of Science and Technology
Lisbon, PORTUGAL



**Knowledge is
power. Knowledge
shared is power
multiplied.**

Robert Boyce

**Start Date - 01 Aug 2022
End Date - 31 Jul 2025**



<http://www.twinsol-cecs.com/>
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We have no planet B

What are CECs ?

More than 100,000 chemical substances are commonly used every day.

Contaminants of **E**merging **C**oncern are chemicals of natural or synthetic origin with potentially harmful impacts on human health and aquatic life. They have been recently discovered and are not commonly monitored.

These include:

- personal care products,
- nanoparticles,
- pharmaceuticals,
- estrogen-like compounds,
- flame retardants,
- detergents,
- some industrial chemicals
- etc.

Water Framework Directive (WFD) totalizes only 49 organic substances, while the Watch List under WFD lists 20 organic compounds for which the Union-wide surveillance data need to be gathered.

First evidence on the CECs presence in edible parts of plants and bottled waters has been found.



TwINSol-CECs will help TFNS to unlock the scientific potential through intensive networking, transfer of knowledge, and technical expertise by twinning under the Horizon Europe program with two EU research-intensive institutions with strong expertise in the field.

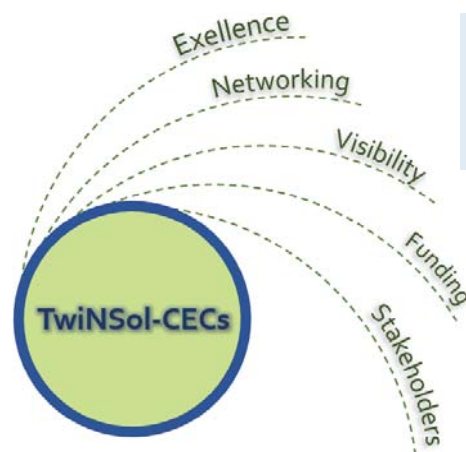


Objectives

The general objective of the project is to raise the TFNS scientific and innovation excellence in various aspects of CECs research integrated with broader EU networks of excellence, contributing to national and regional scientific and economic growth, and the harmonization of advanced research and innovation efforts important for a sustainable transition of whole Europe towards zero-pollution, toxic free environment.

Specific objectives

- 1 To step up the excellence of the TFNS resources in the field of the advanced environmental research, for better integration of Serbia and WBs in the EU networks of excellence
- 2 To intensify the strategic networking activities of TFNS with two top-class leading research institutions at EU level
- 3 To raise the scientific performance, visibility and attractiveness of TFNS and its staff within ERA



- 4 To develop sustainable research management and administration capacities of TFNS for more competitive participation in different funding opportunities
- 5 To increase the proactive interaction of TFNS researchers with different stakeholders of interest in the environmental and sustainability research and to improve the TFNS creativity in new R&I approaches

**Be part of the solution,
not part of the problem.**
Stephen Covey

