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Partnership



TUBITAK Marmara Research Center Environment and Cleaner Production Institute



Università Politecnica delle Marche



Fundación Universitaria Balmes



Sustainable Innovation Technology Services



Norwegian University of Life Sciences

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SMART4ENV

ENHANCING THE SCIENTIFIC CAPACITY OF TUBITAK MRC IN THE FIELD OF SMART ENVIRONMENTAL TECHNOLOGIES FOR CLIMATE CHANGE CHALLENGES

LOGO



Funded by the European Union

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Aim

- To improve TUBITAK MRC R&I capacities to strengthen its scientific reputation, attractiveness and networking channels while stimulating scientific excellence in key applications of Smart Environmental Solutions for the mitigation and adaptation to climate change of Turkish economy.



Specific aims

- Increasing scientific and technical capacity of TUBITAK MRC related to SES through collaboration with internationally leading institutions by implementing a multidisciplinary and specialized capacity building activities to foster human capital development and research excellence.
- To support TUBITAK MRC's institutional networking and international reputation by strengthening collaboration with internationally leading institutions in SES through a series of activities to facilitate the access to international networks, promoting awareness-raising campaigns and stakeholders engagement processes.
- Developing a knowledge transference framework of TUBITAK MRC and linked stakeholders to jointly develop excellent R&I in SES through new research avenues, skills, and competences to foster results exploitation.
- Increasing the knowledge of national stakeholders on available SES, promoting their use, enabling application of innovative approaches and solutions, sharing knowledge and best practices, disseminating research results and technology to address climate change challenges, focused on project target groups at vertical/horizontal levels.

Awareness

15 articles in high-impact peer reviewed journals.
4 SES workshops.
3 modules of on-line.
6 oral presentations at international conferences
6 international info days
6 posters presentation.
4 Summer-schools.
15 documents for research for proposals.
1 Official project website.
300+ downloads via Open Access.
12 participations at EU Researchers' Night for 3 years.
3 SMART4ENV annual open info days
3 workshops for national stakeholders
2 Stakeholders' oriented events.
4 informal Science Cafes.
15 technical visits to national stakeholders.
6 newsletters and 3 press releases.

Target groups

+10 Local communities
+10 local citizen communities & associations
+10 Media (TV, radio, press) and social media
+20 Science and engineering researchers
+3 Research management and administration staff
Key beneficiaries of capacity building
+3 Technology transfer units
+25 Representatives from international scientific community
+10 Industrial stakeholders
National and Regional policy makers
Ministry of Environment, Urbanisation and Climate Change, Ministry of Agriculture and Forestry
5 municipalities
5 water and sewerage administrations



Outcomes

- Increased science and innovation capacities, new interdisciplinary streams, more exchange of knowledge and mobilities result in +20% researchers publishing papers; +15% publications in peer-reviewed journals; +20% documents for research proposals and +5% participation in competitive funding.
- Enhanced strategic collaboration, alliances, stronger linkages with linked stakeholders value chains, meetings with national relevant projects and better outreach for longer connections through 3 Collaboration agreements with international R&I networks, 3 information exchange meetings and participation in 3 relevant international events and 6 info days.
- Increased reputation as SES experts thanks to visibility and positioning that allows +15% increase in citation of research results. Higher position in international rankings (5-10 positions). 3 Researchers join renown international expert groups/panels. +150% visits to website.
- Strengthened fund raising capabilities and project leading roles thanks to 3 new skilled management support staff, 5 new collaborative projects. Increase of competitive funding +10% international and +15% national.
- Improved creativity and mobilization of researchers for a +5% decrease in brain-drain and +5% increase of brain-gain of Turkish SES experts.

