



Newsletter n°5: LIFE+ TRANSFOMEM

January 2017 – August 2017

Do you join us?



LIFE13 ENVES/000751

What is it?

TRANSFOMEM is an European Community co-funding LIFE+ project with contract number:

LIFE13 ENV/ES/000751.

Main Objective

To demonstrate at pilot scale the viability of transforming end-of-life membranes into nanofiltration and ultrafiltration membranes

Project's implementors



www.agua.imdea.org



www.sadyt.com



www.valoriza-agua.com



During the last year of the life-transfomem project, we would like to share our knowledge with you. In this 25th century of Life financial instrument, we are going to organize a **workshop on end-of-life membrane management and its potential application**, to show the current situation at worldwide scale.

Workshop will be in Spain. Attendance will be free. More information will be available by November.



ACTIVITIES

Participation in...

CONGRESS

3rd International Conference on Desalination using membrane technology. 2-5 April 2017, Gran Canaria, Spain [\[+info\]](#).

Life Cycle Assessment application at pilot scale during the eco-design process of Reverse Osmosis membrane recycling into Ultrafiltration and Nanofiltration, 2nd esLCA Workshop: "Food, Agriculture and Water: Life Cycle Assessment as a tool towards sustainability" Barcelona, Spain. 17th May, 2017 [\[+info\]](#).

[SIGA](#) Trade fair for innovative water management solution. Networking and dissemination of the project. March 2017.



SPEAKER INVITATION

LIFE-TRANSFOMEM: Reuse of recycled membranes (NF-UF) in water treatment, [Membrane for water treatment and reuse](#), LEQUIA, Girona 15 June 2017.



LIFE13 TRANSFOMEM: Recycling end-of-life RO membranes into NF and UF membranes, [Process Network \(NLGUTS\)](#), UDEN, Holland, 7 February 2017



TRAININGS AND VISITS

[Master](#) in hydrology and water management resources. 4th **workshop** carried out at Cuevas del Almanzora Desalination Plant. It was shown the recycling pilot plants and the facilities for recycled membrane validation for brackish water treatment (Feb. 2017).



Egyptian delegation, experts from water and irrigation Ministry (MWRI) visited life transfomem partners.

18th April at IMDEA Water [\[+ info\]](#)
20th April at Cuevas del Almanzora desalination plant.



Students of the [Expert course](#) in desalination and water reuse from the University of Alicante visited **Mutxamel desalination plant**. Student attended how we validate the recycled membranes for sea water pretreatment (June 2017).

PUBLICATIONS

SCIENTIFIC PAPER

Nanofiltration and ultrafiltration membranes from end-of-life reverse osmosis membranes. A study of recycling. **Thesis**, University of Alcalá, Alcalá de Henares 2017 [\[+info\]](#)

End-of-life membranes: challenges and opportunities
In: **Comprehensive Membrane Science and Engineering** (2 Ed) and reference **Module in Chemistry, Molecular Sciences and Chemical Engineering**, Elsevier, 2017 [\[+info\]](#)

Fouling prevention, preparing for re-use and membrane recycling. Towards circular economy in RO desalination, **Desalination** 393 (2016) 16-30 [\[+info\]](#)

Transformation of end-of-life RO membranes into NF and UF membranes: Evaluation of membrane performance, **Journal of Membrane Science** 495 (2015) 305-315 [\[+info\]](#)

CONGRESS PROCEEDING

Transformation of end-of-life RO membrane into recycled NF and UF membranes: results of transformation process (**IDA17WC-58237**). In: *Proc IDA17WC, – São Paulo , 15-20 October, 2017.*

Life 13 TRANSFOMEM: un ejemplo de reciclaje en el mundo de la desalación (**VAL-112/16**). In: *Proc: Valencia, 19-21 Octubre, 2016* [\[+info\]](#)

Transformation of end-of-life RO membranes into recycled NF and UF membranes, surface characterization (**15WC-51551**). In: *Proc IDAWC15, San Diego, 30 August-4 September, 2015* [\[+info\]](#)

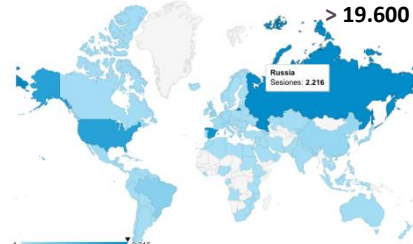
DISSEMINATION

[Autopsy video](#)
[Researcher's Night video](#)

[Life-Transfomem Leaflet](#)
[Newsletter n°4](#)
[Poster](#)



LIFE+13 TRANSFOMEM website visits at worldwide scale > 19.600 visits



CONTACT

IMDEA AGUA INSTITUTE

Avenida Punto Com, nº 2.
Parque Científico Tecnológico de la Universidad de Alcalá
Alcalá de Henares. 28805 Madrid
Teléfono: (+34) 91 830 59 62
Fax: (+34) 91 830 59 61

SADYT AND VALORIZA-AGUA

C/ Molina de Segura, 8 - BJ
30007 MURCIA (MURCIA)
Teléfono: 968 35 40 28

www.life-transfomem.eu

[Life-Transfomem](#)

[TRANSFOMEM](#)

[Life-Transfomem](#)

info@life-transfomem.eu

[LIFE-TRANSFOMEM](#)