



YEARLY LATIN – AMERICAN COUNTRIES (LAC) NATIONAL CONTACT POINT (NCP) MEETING

European Union and the Community of Latin American and Caribbean
ALCUE – NET (Network on Research and Innovation)

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“There’s no best investment more profitable than the knowledge”



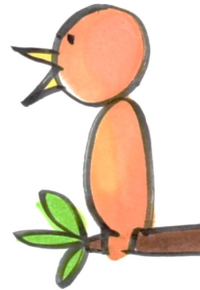


eco-friendly ceramic
MEMBRANE
BIOREACTOR MBR
based
on RECYCLED
agricultural and industrial
wastes for waste water reuse



- 01 Background
- 02 Project Objectives
- 03 Project Consortium
- 04 Project Description / WP's
- 05 Work Packages
- 06 Some Useful Tips
- 07 You Got Questions? Try Some

HORIZON 2020

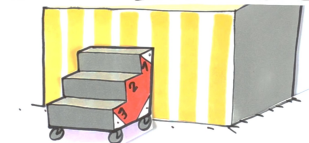


Previous Actions

- ✓ Having contact with international researchers.
- ✓ Getting the Research Fellowship (deeply grateful to COLCIENCIAS).
- ✓ We made us visible through:
 - ✓ Working in to Iberoeka project.
 - ✓ Development R&D+i through projects from CDTI with ceramic industry.
 - ✓ Taking active part in international events (Cevisama / Qualicer)
- ✓ We get the possibility to work in the Score Proposal.
- ✓ Get in touch with FACSA representatives in Castelló de la Plana (CV – SPA).



**EXCELLENT
SCIENCE**



Previous Actions

- ✓ REMEB is a project that comes from WATERCER, project funded by the Ministry of Economy and Competitiveness of Spain.
- ✓ WATERCER (2011-2013) enabled to study the feasibility of the development (AT PILOT SCALE).
- ✓ REMEB was born for the necessity of giving an important step of technology scaling related to membrane manufacturing in ceramic tile industries and MBR validation at real scale in WWTPs.



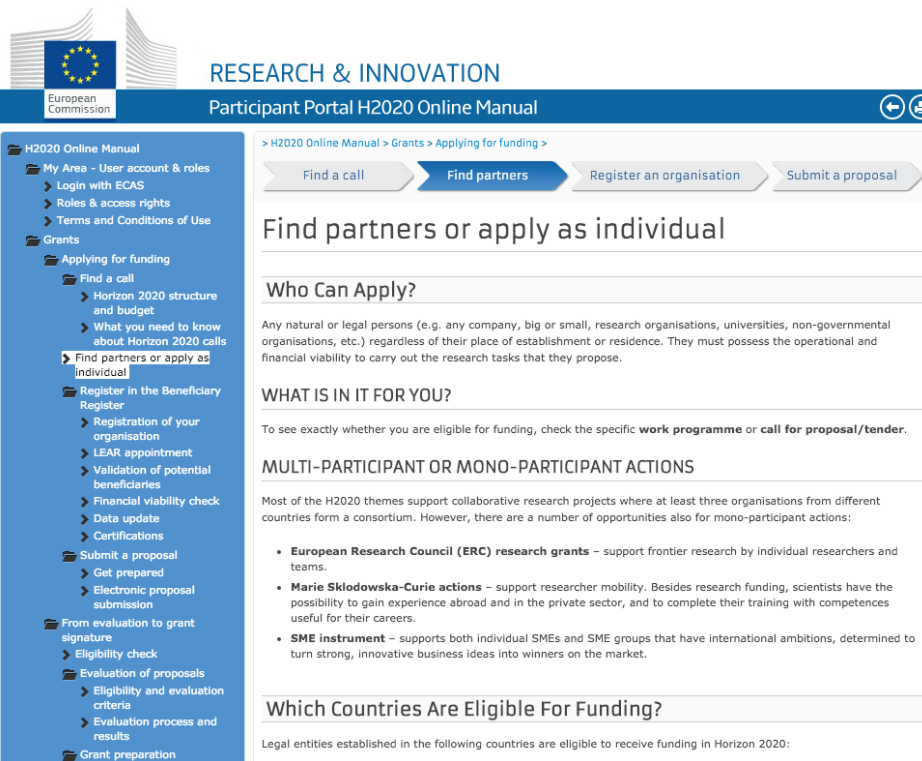
How to get funding?

- ✓ Find a call.
- ✓ Find your partners.
- ✓ Create your account.
- ✓ Register your organization.
- ✓ Submit your proposal.
- ✓ Evaluation by experts.
- ✓ Grant agreement.



The screenshot shows the 'RESEARCH & INNOVATION Participant Portal' website. The navigation bar includes 'HOME', 'FUNDING OPPORTUNITIES', 'HOW TO PARTICIPATE', 'EXPERTS', and 'SUPPORT'. A search bar and 'LOGIN'/'REGISTER' buttons are also present. The main content area is titled 'How to participate' and includes a 'H2020 ONLINE MANUAL' button. Below this, there is a list of services: 'H2020 Online Manual', 'Reference documents', 'Financial viability self-check tool', and 'SME participation'. A progress bar at the bottom indicates five steps: 1. FIND a call, 2. FIND partners, 3. CREATE your account, 4. REGISTER your organisation, and 5. SUBMIT a proposal. The current step is 'Step 1 - Find a suitable Call for Proposals'.

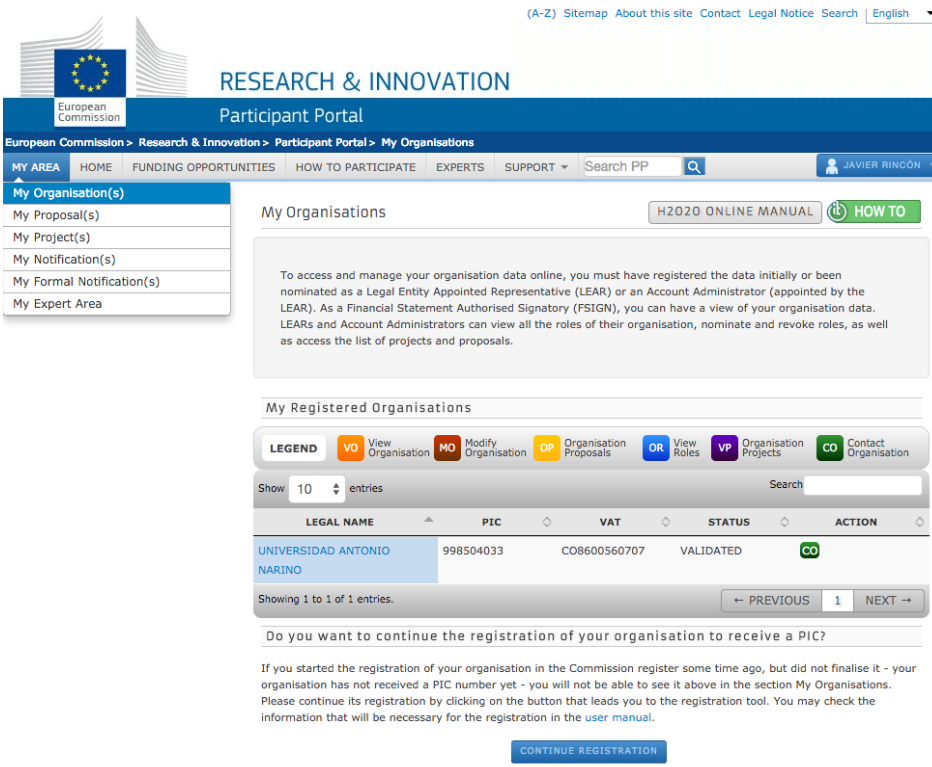
How to get funding?



The screenshot shows the 'Participant Portal H2020 Online Manual' interface. The top navigation bar includes the European Commission logo and the text 'RESEARCH & INNOVATION Participant Portal H2020 Online Manual'. A breadcrumb trail reads '> H2020 Online Manual > Grants > Applying for funding >'. Below this, a series of steps are shown: 'Find a call', 'Find partners' (highlighted in blue), 'Register an organisation', and 'Submit a proposal'. The main content area is titled 'Find partners or apply as individual' and contains sections for 'Who Can Apply?', 'WHAT IS IN IT FOR YOU?', 'MULTI-PARTICIPANT OR MONO-PARTICIPANT ACTIONS', and 'Which Countries Are Eligible For Funding?'. A left-hand sidebar lists various menu items, with 'Find partners or apply as individual' selected.

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How to get funding?

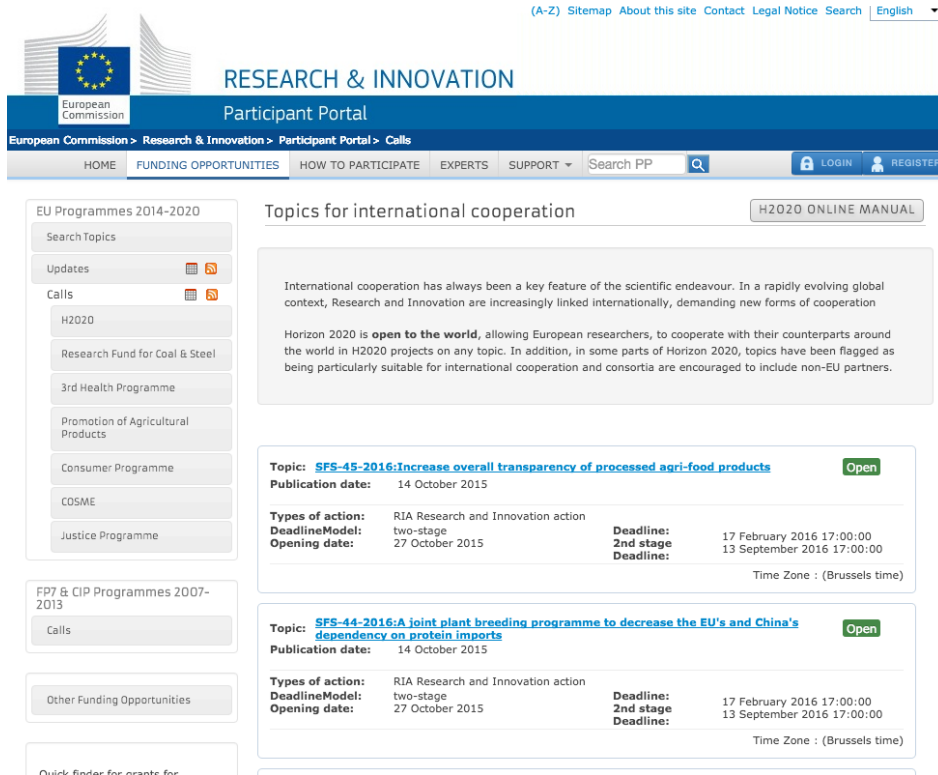


The screenshot shows the 'My Organisations' page in the Participant Portal. It includes a navigation menu, a search bar, and a table of registered organizations. The table has columns for Legal Name, PIC, VAT, Status, and Action. One organization is listed: UNIVERSIDAD ANTONIO NARIÑO with PIC 998504033 and VAT CO8600560707, with a status of 'VALIDATED' and a 'CO' action button.

| LEGAL NAME | PIC | VAT | STATUS | ACTION |
|----------------------------|-----------|--------------|-----------|--------|
| UNIVERSIDAD ANTONIO NARIÑO | 998504033 | CO8600560707 | VALIDATED | CO |

- ✓ Find a call.
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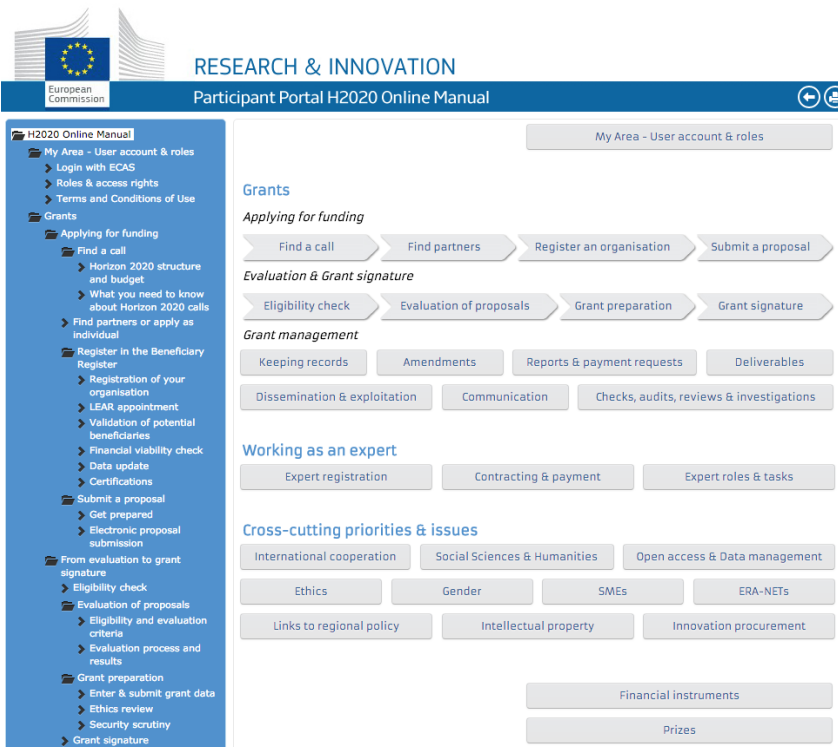
How to get funding?



The screenshot shows the 'RESEARCH & INNOVATION Participant Portal' website. The navigation bar includes 'HOME', 'FUNDING OPPORTUNITIES', 'HOW TO PARTICIPATE', 'EXPERTS', and 'SUPPORT'. A search bar is present with the text 'Search PP'. The main content area is titled 'Topics for international cooperation' and features a 'H2020 ONLINE MANUAL' button. Below this, there are two call listings. The first call is titled 'SFS-45-2016: Increase overall transparency of processed agri-food products' with a publication date of 14 October 2015 and a status of 'Open'. The second call is titled 'SFS-44-2016: A joint plant breeding programme to decrease the EU's and China's dependency on protein imports' with a publication date of 14 October 2015 and a status of 'Open'. Both calls list 'Types of action' as 'RIA Research and Innovation action' and provide 'DeadlineModel' and 'Opening date' information.

- ✓ Find a call.
- ✓ Find your partners.
- ✓ Create your account.
- ✓ Register your organization.
- ✓ Submit your proposal.
- ✓ Evaluation by experts.
- ✓ Grant agreement.

How to get funding?



The screenshot shows the 'RESEARCH & INNOVATION Participant Portal H2020 Online Manual' interface. It features a navigation menu on the left with categories like 'My Area - User account & roles', 'Grants', and 'From evaluation to grant signature'. The main content area is titled 'Grants' and is organized into several sections: 'Applying for funding' (Find a call, Find partners, Register an organisation, Submit a proposal), 'Evaluation & Grant signature' (Eligibility check, Evaluation of proposals, Grant preparation, Grant signature), 'Grant management' (Keeping records, Amendments, Reports & payment requests, Deliverables, Dissemination & exploitation, Communication, Checks, audits, reviews & investigations), 'Working as an expert' (Expert registration, Contracting & payment, Expert roles & tasks), 'Cross-cutting priorities & issues' (International cooperation, Social Sciences & Humanities, Open access & Data management, Ethics, Gender, SMEs, ERA-NETs, Links to regional policy, Intellectual property, Innovation procurement), 'Financial instruments', and 'Prizes'.

- ✓ Find a call.
- ✓ Find your partners.
- ✓ Create your account.
- ✓ Register your organization.
- ✓ Submit your proposal.
- ✓ Evaluation by experts.
- ✓ Grant agreement.

Targets Set

- Development and validation of an innovative water treatment, based on a ceramic MBR (flat sheet recycled ceramic membranes).
- Valorization of waste products, (from by-products of agro-industrial processes, such as olive oil solid wastes, marble working wastes, and chamotte from fired tile scrap).
- Validation in a WWTP located in Murcia (Spain) by comparing the REMEB MBR with the existing MBR equipped with organic membranes.



Targets Set

- Technology replication in several strategic locations in order to stimulate a wide and fast deployment in European and non-European countries.
 - A replication study of membrane manufacturing will be developed in Italy and Turkey, taking into account the recycled wastes available in these countries.
- Exhaustive study of industrial sectors and companies with potential of REMEB MBR implementation.



Project key facts

Call: H2020-WATER-2014
Project: GAN641998-2

Start 1st September 2015

Duration 3 years

Budget 2.36 M€

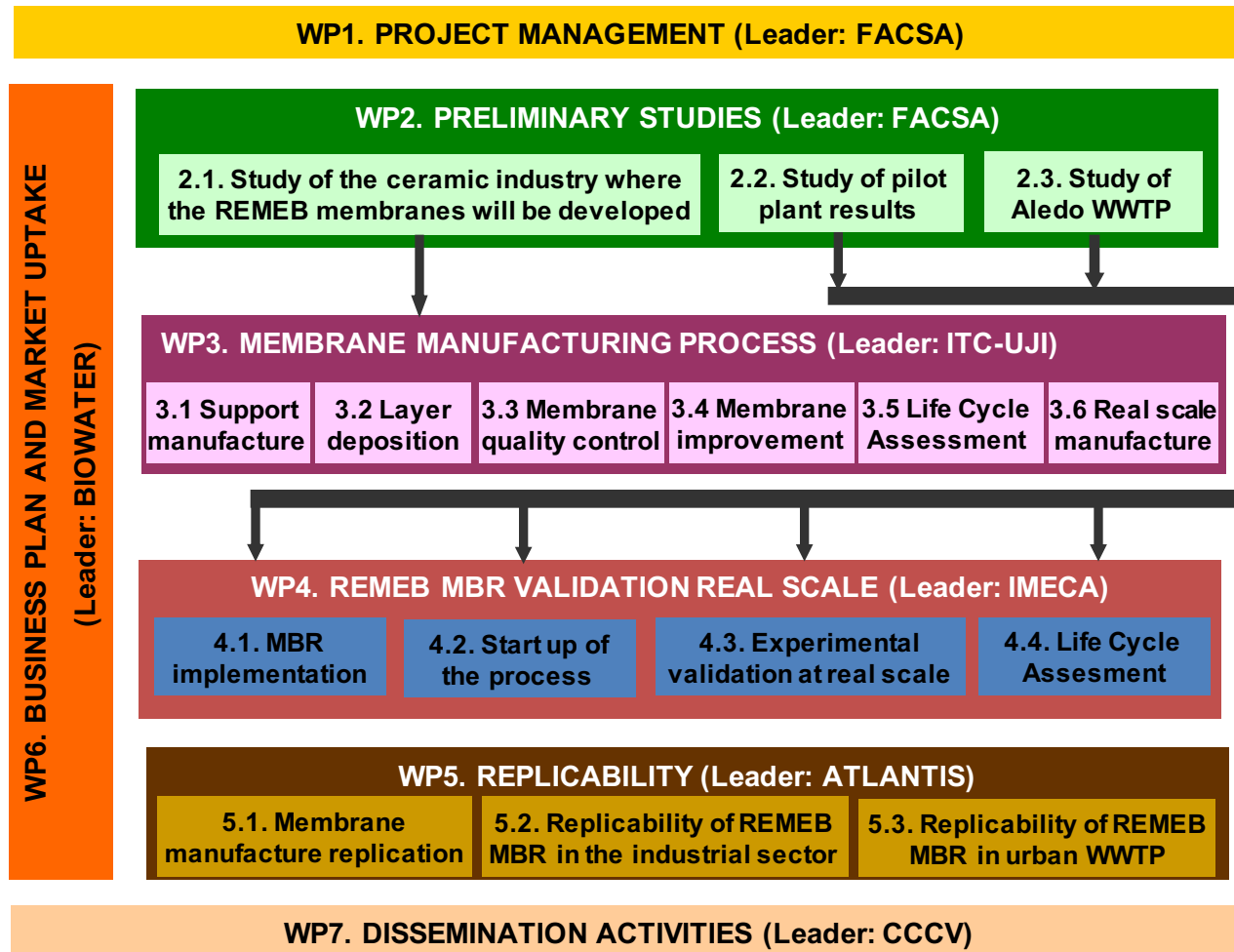
7 Work Packages

11 Partners from 7 countries

290 person/month

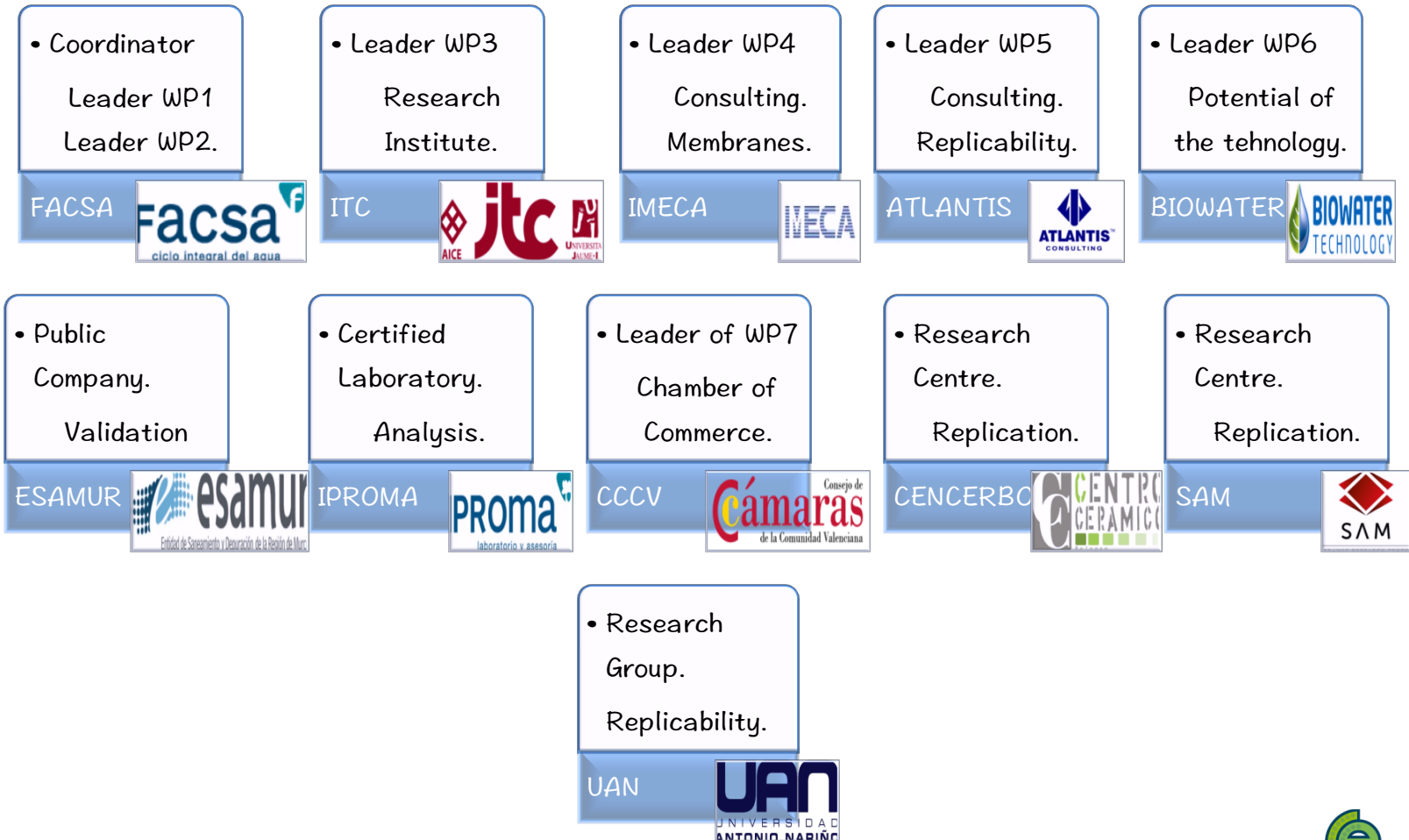


Graphical Presentation of the Components Showing How They Inter-Relate:



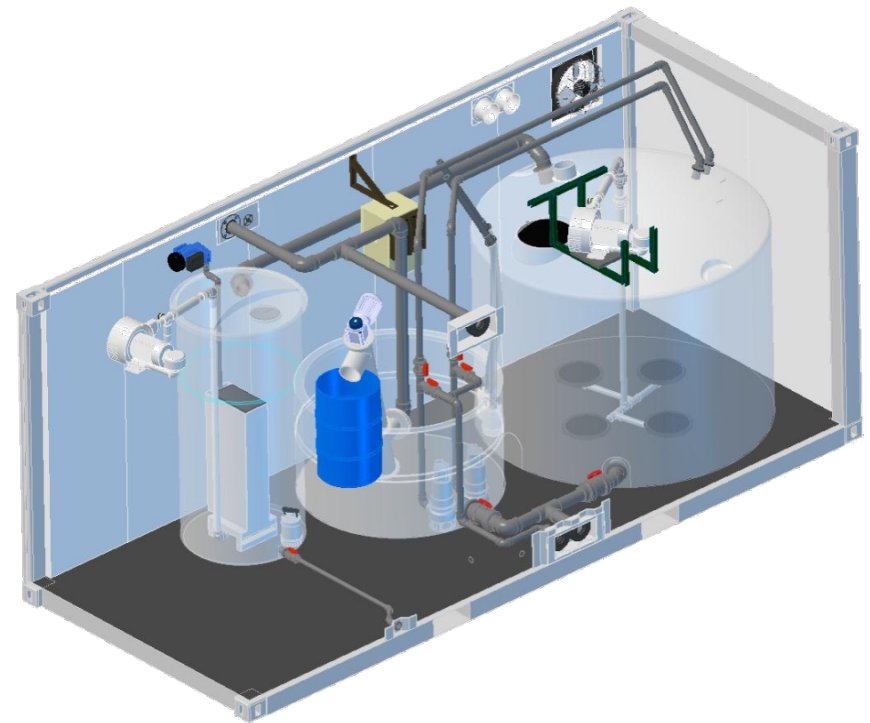
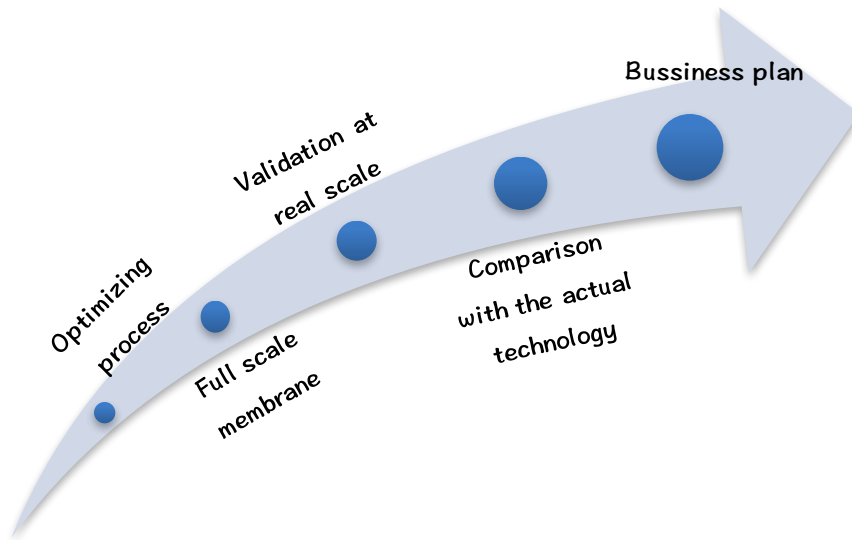


Work Package (WP) Distribution



The Technology

Modular System / Real Scale Treatment Plant



The Technology

Membrane Bio-Reactor (MBR)

- Consists of a combination of biological processes with membrane technology, where the membrane separates the microorganisms from the effluent by filtration.
- The main advantage is that achieves high quality effluent and that it is possible to operate at high solid concentration, compared with a conventional activated sludge treatment.

Modular System / Real Scale Treatment Plant



Distribution WPs

| WP | LEADER | FACSA | ATLANTIS | ITC-UJI | SAM | IPROMA | BIOWATER | CCCV | UAN | ESAMUR | CENTRO CERÁMICO | IMECA |
|-----|----------|-------|----------|---------|-----|--------|----------|------|-----|--------|-----------------|-------|
| WP1 | FACSA | XXX | X | X | X | X | X | X | X | X | X | X |
| WP2 | FACSA | XXX | | XX | X | X | | | | X | X | X |
| WP3 | ITC-UJI | X | | XXX | XX | | | | | | XX | X |
| WP4 | IMECA | XX | | X | | XX | | | | XX | | XXX |
| WP5 | ATLANTIS | X | XXX | X | XX | | XX | X | XX | XX | XX | X |
| WP6 | BIOWATER | XX | X | X | | | XXX | | | | | XX |
| WP7 | CCCV | X | X | X | X | X | X | XXX | X | X | X | X |

TIPs to Get Access to the H2020 Action

Javier Cañón Pinto MA.

Director ORI UAN



Asociarse internacionalmente: la



Redes y consorcios: base de la investigación en el siglo XXI



Redes de investigación: “laboratorios sin paredes” “asociaciones de grupos de I+D para el desarrollo de actividades de investigación y desarrollo tecnológico, generalmente a través de proyectos conjuntos. (...) en el que cada nodo de la red aporta complementariedad para la consecución de los objetivos. Lo fundamental en las redes de investigación es la complementariedad de capacidades y un adecuado reparto de tareas.” (J. Sebastián, 2002)

Consortio internacional de investigación forma organizativa colaborativa de duración coyuntural y temporal basado en asociación entre entidades, empresas, investigadores, grupos que generan una organización temporal para desarrollar un proyecto puntual para presentarse a una convocatoria o licitación. Se formaliza mediante el Consortium Agreement.

Hacerse internacionalmente visible!

- ✓ Socializando resultados de investigación en eventos científicos y de innovación internacionales
- ✓ Actitud proactiva contactando directamente pares y grupos internacionales e intercambiando información y publicaciones (aprovechar convenios, asociaciones y redes, plataformas tecnológicas, bibliografía, repositorios)
- ✓ Atrayendo y recibiendo doctorandos e investigadores en formación internacionales en su grupos de investigación. Postular plazas para becarios Marie Slodowska Curie.
- ✓ Dar de alta su perfil investigador, o del grupo o del instituto/centro de investigación en plataformas y bases de datos internacionales de investigadores en la web:
 - Google Scholar <https://scholar.google.com/>
 - <http://orcid.org/>
 - <http://www.researchgate.net/>
 - <http://academic.research.microsoft.com/>
 - Community of Science <http://pivot.cos.com/> (pago)
 - <http://www.researchresearch.com/> (pago)
- ✓ Darse de alta como experto para ser evaluador de proyectos H2020 <http://ec.europa.eu/research/participants/portal/desktop/en/experts/index.html>



Hacerse internacionalmente visible!



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UAN
UNIVERSIDAD
ANTONIO NARIÑO

NEW!: All scientists with duplicated profiles (marked # in the rankings) will be removed in future editions unless they delete their extra entries

| RANK | NAME | INSTITUTION | H-INDEX | CITATIONS |
|------|--------------------------------|---|---------|-----------|
| 1 | Marta Losada | Universidad Antonio Nariño | 93 | 43981 |
| 2 | Diego Milanes | Universidad Nacional de Colombia | 75 | 21144 |
| 3 | Manuel Elkin Patarroyo Murillo | Fundación Instituto de Inmunología de Colombia | 64 | 16371 |
| 4 | Juan Manuel Anaya | Universidad del Rosario | 52 | 8835 |
| 5 | Michael Pratt | CDC; Emory University; Universidad de Los Andes Bogotá | 51 | 27709 |
| 6 | Patricio López Jaramillo # | Fundación Oftalmológica de Santander | 45 | 7507 |
| 7 | Felipe Guhl | Universidad de los Andes Colombia | 39 | 4195 |
| 8 | Yovani Marrero Ponce | Universidad Tecnológica de Bolívar; Universidad Central de Las Villas | 37 | 3178 |
| 9 | Francisco Lopera | Universidad de Antioquia | 36 | 4936 |
| 10 | Luis Eduardo Bravo | Universidad del Valle | 33 | 6075 |
| 11 | Christophe Béné | International Center for Tropical Agriculture CIAT Colombia | 33 | 3816 |
| 12 | Roberto Martínez | Universidad Nacional de Colombia | 32 | 4752 |

← Grupo de investigación en Física y Altas Energías de la UAN liderado por la Dra. Marta Losada Falk, rectora de la UAN. **No. 1 en Ranking Sapiens Research**



Hacerse internacionalmente visible!



H2020-MSCA-RISE-2015

<http://www.invisiblesplus.eu/>
2016-2020

H2020-MSCA-ITN-2015

<http://www.elusives.eu>
2016-2020

Dra. Marta Losada Falk
Rectora de la UAN



Consiguiendo socios para H2020: “Partner search services”



1. CORDIS – EU Research Partners
<https://cordis.europa.eu/partners/web/guest>
2. IDEAL-IST (investigación en TIC) <http://www.ideal-ist.eu/partner-search/pssearch>
3. Partner Search for Nanosciences and Nanotechnologies, Materials and New Production Technologies (NMP)
<https://www.nmp-partnersearch.eu/index.php>
4. Fit for Health 2.0 – Partner search
<http://www.fitforhealth.eu/user?ReturnUrl=http%3a%2f%2fmm.fitforhealth.eu%2fcommon%2fcontactshome.asp>
5. Innovative Medicines Initiative (IMI) Partner Search Tool
<https://cloud.imi.europa.eu/web/eimi-pst>
6. Enterprise Europe Network
<http://een.ec.europa.eu/services/going-international>



Consiguiendo socios para H2020: “Partner search services”

7. NET4SOCIETY – Partner Search Support
(ciencias económicas y sociales)

<http://www.net4society.eu/public/pss.php>



Horizon 2020
Programme

8. Innovation Place – Find partners for research and innovation projects <https://www.innovationplace.eu/find-partners-research-projects>

9. EURESEARCH – Swiss guide to European research and Innovation – Partner Search Platforms

<https://www.euresearch.ch/en/euresearch-services/we-connect/partner-search-platforms/>



10. European Long-Term Ecosystem Research Network (LTER)

<http://www.lter-europe.net/find-sites-and-or-people>

11. Existen 39 plataformas tecnológicas reconocidas oficialmente por la CE en cada uno de los temas prioritarios de los programas marco europeos

39 European Technology Platforms

Some Useful Tips 06



Todo sobre las plataformas tecnológicas europeas (ETP):
http://ec.europa.eu/research/innovation-union/index_en.cfm?pg=etp

| Bio-based economy | Energy | Environment | ICT | Production and processes | Transport |
|-------------------|------------|-------------|--------------------|--------------------------|------------|
| EATIP | Biofuels | WssTP | ARTEMIS | ECTP | ACARE |
| ETPGAH | EU PV TP | | ENIAC | ESTEP | ALICE |
| FABRE TP | TP OCEAN | | EPoSS | EuMaT | ERRAC |
| Food for Life | RHC | | ETP4HPC | FTC | ERTRAC |
| Forest-based | SmartGrids | | euRobotics [AISBL] | Manufature | Waterborne |
| Plants | SNETP | | NEM | Nanomedicine | |
| TP Organics | ETIPWind | | NESSI | SMR | |
| | ZEP | | Networld 2020 | SusChem | |
| | | | Photonics 21 | | |



Horizon 2020 Programme

Cross-cutting ETP Initiatives

| |
|-------------------|
| Nanofutures |
| Industrial Safety |
| ConXEPT |

