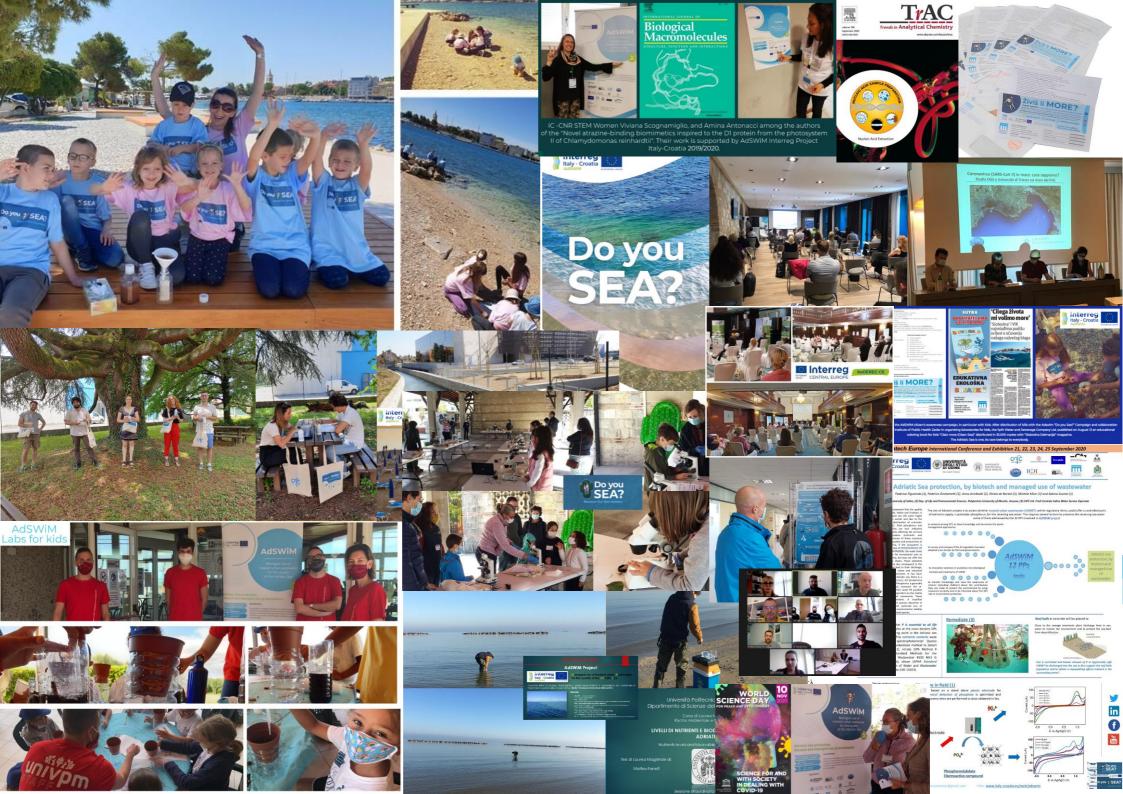


## State of the art

AdSWiM project | WP2 | Municipality of Udine

Steering Committee Meeting | online | 16/12/2020



### Activities in WP2: One campaign – 3 targets

November 10 2019 > Science Day and Development with «woman on cactus» June 5 2020 > Environmental Day and press release with «man on cactus» September 27 > World Tourism Day/ Climate and Environmental Day





www.italy-croatia.eu/web/adswim



Because Our Sea matters.



June 2020 > TSHIRTS

August 2020 > FreeSbee

September 2020 > New roll up









## Activities in WP2: One campaign - flyer and leaflet revision

### Each partner ITA/CRO/EN





























## **Guided study visits**

July 2020 > Virtual guided study visit for UniUD students to San Giorgio di Nogaro WW treatment plant





























### **Guided study visits**

November 2020 > Guided study visit for expert in Stupe WW tratment plant in Split





























<u>The leaflet for the guided visit</u> to the depuration plant, personalised for CAFC, Pescara, UNIVPM in Italian version was developed. Leaflets has ben personalized for VIK and Izvor Ploče as well during this semester (we are waiting for text in CRO) to complete!





# <u>The leaflet for the laboratories for children and schools</u>, Leaflets have been personalized for UNIUD, UNIVPM; work in progress for PESCARA and Izvor Ploče































The poster for the laboratories for children and schools. A new personalised poster for labs for citizens and families has been developed for UniUD and Municipality of Udine in September 2020



# MUSEO FRIULANO DI STORIA NATURALE

Parco Ex Macello comunale - Via Sabbadini, 22/32 - Udine

Inizio: ore 10:30 (apertura cancelli: ore 10:00)

Durata: 90 minuti

Ingresso massimo 14 bambini Età compresa tra i 6 e 11 anni

Attività prevista all'interno del progetto europeo AdSWiM: uso gestito delle acque depurate per la qualità del mare Adriatico

### LAB 1 E come per magia, l'acqua sporca va via!

Qual è il viaggio delle acque? Cosa sono le acque depurate e come funziona un depuratore?





### Vita in una goccia d'acqua

Cosa si nasconde dentro una goccia d'acqua?





## Dipingo e riciclo

Dipingere dal racconto e con i materiali di recupero per dare spazio alla creatività e conservare il sapere acquisito.

Il LAB AdSWiM è un percorso ludico didattico guidato dagli operatori scientifici e tecnici dell'Università degli Studi di Udine, del Comune di Udine e





di CAFC S.P.A. per approfondire il viaggio delle acque, in particolare il processo della depurazione e sensibilizzare i cittadini alle tematiche della sostenibilità e della conservazione del nostro patrimonio idrico e marino. Il Mare Adriatico è uno, la sua cura appartiene a tutti.



I AR 4

Ciclo dell'acqua, risparmio idrico Acqua in gioco e comportamenti virtuosi spiegati attraverso l'utilizzo del gioco da tavolo. Il laboratorio è offerto dal progetto URBACT "The Playful Paradigm" e l'Associazione Coccinelle Rosa, coordinato sempre dal Comune di Udine.









I laboratori si terranno all'aperto, nell'area coperta che fa parte del parco del Museo a cui si accede da via Sabbadini 22.

Dato il ridotto numero di posti disponibili, è obbligatoria la prenotazione tramite il seguente link del sito del comune: AdSWiM - il viaggio delle acque dal depuratore al mare

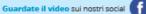
### **PER INFORMAZIONI:**

**Ufficio Agenzia Politiche Ambientali** via Stringher 12 tel 0432 1272456

email adswim@comune.udine.it

https://easyplanning.easystaff.it/portale/udine-servizi-comunali/index.php?include=form&servizio=78

Per raggiungere gli obiettivi, abbiamo bisogno di tutti voi. Seguite la nostra campagna #adswim #doyousea #vivilmare











La sua cura appartiene a tutti.

e sul sito Italy-croatla.eu/web/adswlm per capire come potete aderire e collaborare a mantenere il nostro mare pulito! The poster for the laboratories for children and schools new istructions for the labs for citizens and families has been developed for UniUD and Municipality of Udine and special post and banners have been created







### **QUANTI TIPI DI ACQUA SPORCA** CONOSCI O TI VENGONO IN MENTE

Oui abbiamo: terra, foglie, pezzetti di carta, pezzetti di plastica, mozziconi di sigarette Che altro ti viene in mente? Ma l'acqua sporca dove va?

### PROCEDIMENTO: E ORA MINIDEPURIAMO!

- Preparo l'acqua sporca e aggiungo i rifiuti e che preferisco.
- 2. Il vasetto-depuratore ha dei fori sul fondo... verso l'acqua sporca. Lo "sporco" si ferma?
- 3. Aiutiamo il vasetto-depuratore! Aggiungiamo qualche palettata di sabbia... si ferma lo sporco o faccio più sporco?
- 4. Aiutiamo di più! Prendo la carta da filtro, taglio un disco e lo appoggio sul fondo del vasetto. Aggiungo qualche palettata di sabbia e di argilla
- 5. Di nuovo, verso l'acqua sporca nel vasetto-depuratore... Osservo e rifletto.

#### NOI POSSIAMO AIUTARE IL DEPURATORE A LAVORARE MEGLIO?

Come? Perché farlo? È utile anche per noi?

#### NON C'È SOLO SPORCO!

Ci sono anche sostanze molto piccole, anche di natura organica: i NUTRIENTI (carbonio, fosforo, azoto) che i microrganismi, le alghe, le piante acquatiche o i pesci riescono ad utilizzare per crescere e popolare i nostri mari

Ma se i nutrienti sono troppi? Tutti fanno indigestione...!







gestito delle acque depurate per la qualità del mare Adriatico



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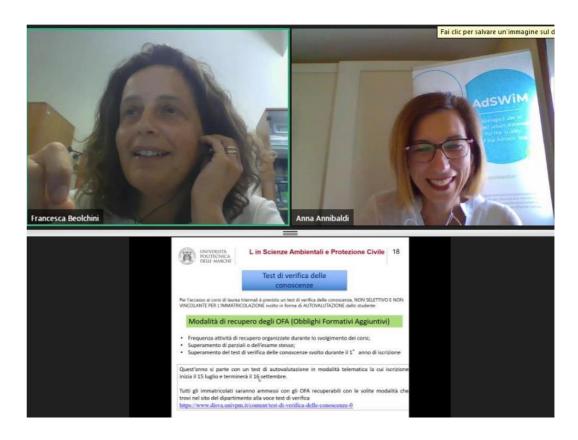
## <u>The poster for the laboratories for children and schools</u> A new personalised poster for schools for Metris labs has been created for the Festival Znanosti in October 2020 and for 2021 activities





### **Local workshops**

July 2020 > ORIENTA, the orientation day online of the Polytechnic University of Marche with 30 participants of the Bachelor's Degree in Environmental Sciences and Civil Protection.





























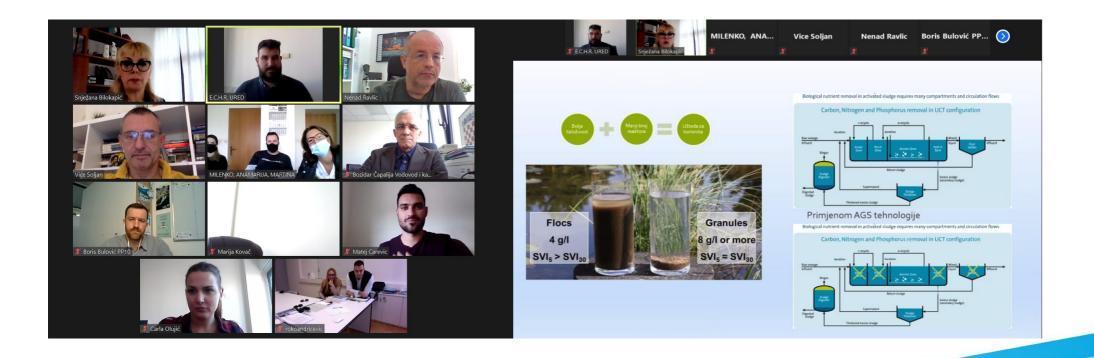
### **Local workshops**

**September 2020** > Vodovod i kanalizacija Split, within the boDEREC-CE project,organized a national workshop co-financed from the INTERREG Central Europe Transnational Cooperation Programme 2014-2020, September 24, Split.



## **Local workshops**

November 2020 > Online workshop on innovative technologies in water depuration VIK + Izvor Ploče





























### Local workshops – local event

**October 2020** > <u>Università Politecnica delle Marche</u>, Dipartimento di Scienze della Vita e dell'Ambiente, set up the **PhD week** in which PhD students show their research work by displaying the summary posters of their projects to the students of the University and they present their work orally in order to pass to the next year of the course.

Phd student <u>Federico Girolametti</u> elaborated his poster on the **adswimproject** themes.

The Adswim researchers and experts in statistical analysis are contributing to our project identifying multiple environmental stressors, affecting the variability of the Adriatic Sea ecosystem.





### International Local workshops – online event

October 2020 > From 9 to 11 October the Ancona branch of the Institute for Biological Resources and Marine Biotechnologies (Cnr-Irbim) and the Polytechnic University of Marche organized the fifth edition of the Ocean Hackathon for Italy, a digital marathon 48-hour non stop activity during which teams with participants from all over the world will face different challenges on the theme of the sea. The event took place digitally and free of charge. Matteo Fanelli and Federico Girolametti articipated with a challenge on topics "algal bloom eutrophication" closed to AdsWIM.

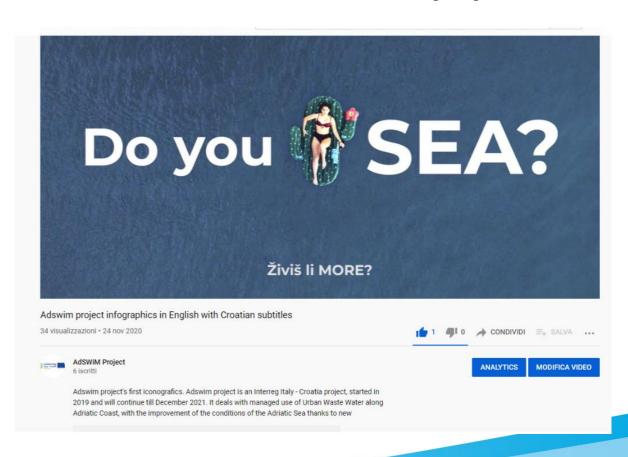




### Local workshops – International event – students and pupils

**November 2020** > Online workshop with students in the framework of European Researchers' Night FGAG-Split.

The First iconographic video has been enriched with Croatian subtitles and presented during the lessons.























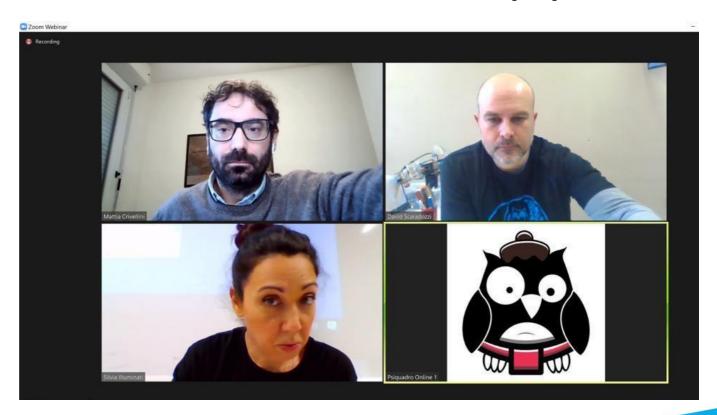






## **Local workshops – International event – students and pupils**

November 2020 > Online
workshops with students
UNIPM for European
Reserchers' night - Sharper
night Ancona - Sumo Science
with Silvia Illuminati





























### **Local workshops – International event – students and pupils**

November 2020 > Online workshops with students UNIPM for European Reserchers' night - Sharper night TraCE Lab researchers Matteo Fanelli and Federico Girolametti on air on #RadioArancia talking about marine pollution, purification plants and monitoring of industrial emissions! Don't miss their sea songs that predicted thair research work! (White room).

Thanks to Anna Annibaldi and young fellows, great work on air with <u>Radio</u> Arancia Television.



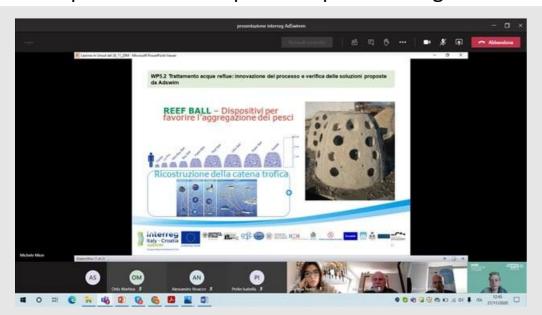


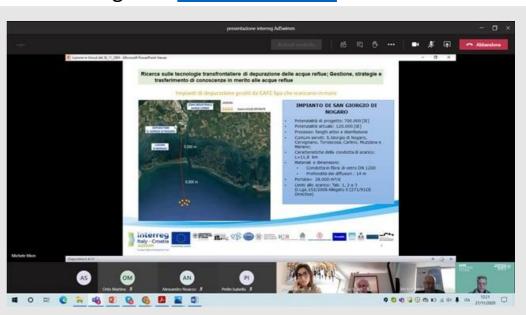




# Local workshops – International event – students and pupils Didactic training modules for teachers

November 2020 > Ing Michele Mion of <u>#CAFCspa</u> and researcher Sabina Susmel of <u>Università degli Studi di Udine</u> held a joint lesson for the students of the Environmental Management course of the University of Udine. The course of professor <u>#MarioScalet</u>, addresses the environmental issues arising from the anthropic impact by deepening the main technologies / methodologies available for responsible management of the natural, social and productive <u>#environment</u>, also with the organization of technical visits and with the involvement in teaching of external experts, entrepreneurs and officials of entities interested in environmental management. The technological innovations developed and implemented during the <u>#ADSWIMproject</u> thus become a case study related to the environmental management and improvement of depuration plant management thanks to interregional <u>#Europeanfunds</u>.





### Didactic training modules for teachers

September 2020 > Silviallluminati from Univpm Università Politecnica delle Marche Dipartimento di Scienze della Vita e dell'Ambiente – Univpm held a webinar based on participatory teaching. Main theme: The oceans and seas of the world – their temperature, their chemical composition, their currents and their life - influence the global systems that make the Earth habitable.





























### Didactic training modules for teachers

Due to Covid19 emergency, this activity has been completely re-organized

A package of 8 online trainings modules and didactic workshops for pupils have been prepared. The adopted language is Italian.

The trainings will be held from January to June 2021.

As the activity is online, we can reach a larger audience: schools in Udine, Ancona, Fano, Pescara and Croatian Italian schools in Istria Region

- Italian versions can be found on drive intranet
- English version can be found on drive intranet



























### Didactic workshops for pupils

August 2020 > labs for 40 children carried out by <u>Univpm Università Politecnica delle Marche</u> Dipartimento di Scienze della Vita e dell'Ambiente – Univpm (one week summer camp)





























### Didactic workshops for pupils

**September 2020** > labs for 20 children at Museo Friulano di Storia Naturale (Udine) carried out by UniUD, CAFC and Comune di Udine























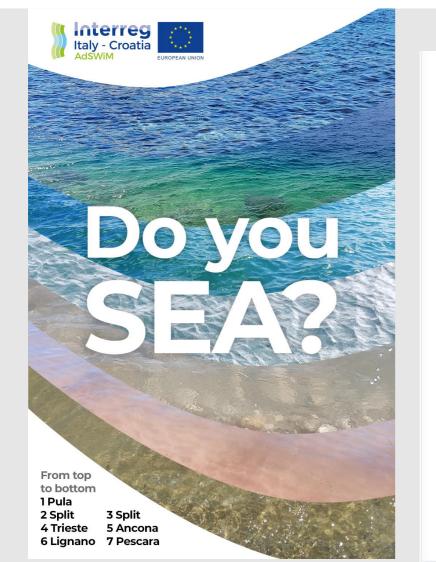


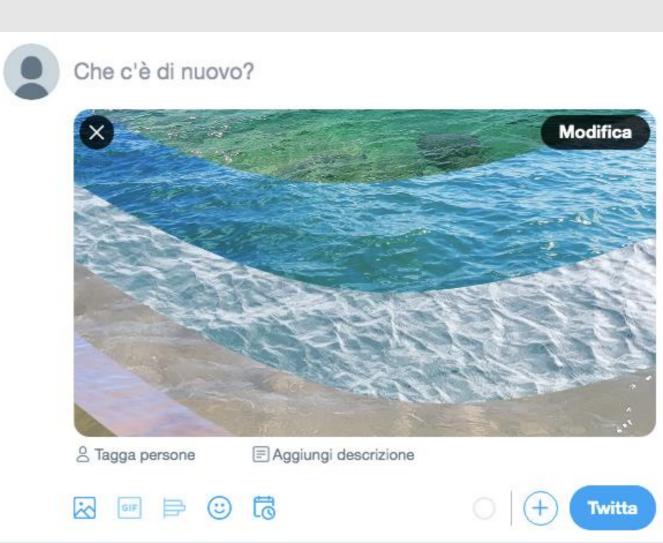




### **International events**

July 8 2020 > Participation to the International Mediterranean Day and to Interreg Italia Croatia social appeal with a joint poster and social campaign - Which is the colour of your Sea?





### **International events**

**September 2020** > Participation to **European Science Open Forum ESOF 2020** in Trieste Università degli Studi di Udine stand in Hall 28 and the round table dabate on "The marine litter problem: sources, dispersion and impacts" with Agenzia Regionale per la Protezione dell'Ambiente del Friuli Venezia Giulia - ARPA FVG, OGS Istituto Nazionale di Oceanografia e di Geofisica Sperimentale and other experts



Freedom for science, science for freedom























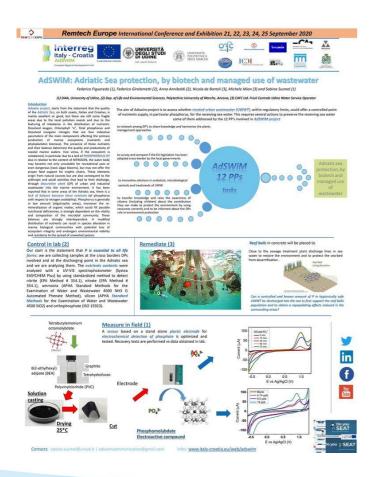




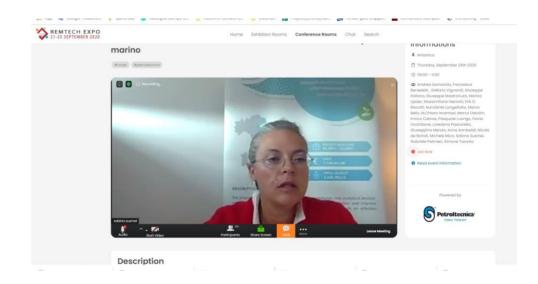




### **International events**



**September 2020** > Participation to Remtech National Conference on Coastal and Marine Space Planning































### **International events**

**November 2020** > Participation to **SEALOGY - TRAINING ATELIER**: Water management in the Port areas, bathing waters and marinas. 16:00 – 18:00 Platform SEALOGY® online -The European Exhibition on Blue Economy in collaboration with ECOMAP project - INTERREG Italy-Croatia Program.





























## **Publications – study**

July 2020 > The OGS Study "Coronavirus in the sea. What do we now about it? (ADSWIM funds).





























# Publications – University thesis

July 2020 > The UNIVPM student Matteo Fanelli and his University diploma work on Adswim project





### **Publications**

July 2020 > The AdSWiM project, is one of the protagonists of the Platinum Magazine "Aziende & Protagonisti" (Companies & Protagonists), attached to IlSole24ore in July (page 135).



























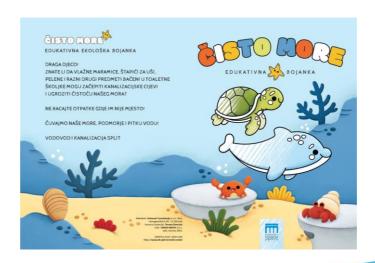






### **Publications**

August 2020 > (VIK Split), that is involved in the process of new guidelines recommendations for the territory and sharing experience and learning, published an educational colouring book for kids "Čisto more (Clean Sea)" distributed in 35.000 copies with "Slobodna Dalmacija" Croatian magazine on August 13.































### **Publications**

**November 2020 >** Adswim work is presented on Abruzzo Economia a prestigious bimonthly magazine that presents the excellency of the <u>#Abruzzo</u> region economy and finance sectors, dedicated to managers, professionals, companies and institutions.





















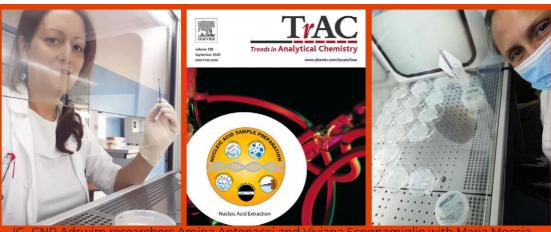








### **Publications**



Biological Macromolecules

STRUCTURE, FUNCTION AND INTERACTIONS

STRUCTURE, FUNCTION AND INTERACTIONS

ACCORD STEM Women Viviana Scorgnamiglio, and Amina Are



IC -CNR Adswim researchers Amina Antonacci and Viviana Scognamiglio with Maria Moccia, Michele Saviano, Veronica Caratelli, Fabiana Arduini in "Emerging technologies in the design of Peptide Nucleic Acids (PNAs) based Biosensors

Trends in Analytical Chemistry (IF 9.801) Pub Date: 2020-10-03, DOI: 10.1016/j.trac.2020.116062 ". Their work is supported also by AdSWiM Interreg Project Italy-Croatia 2019/2020/2021.

IC -CNR STEM Women Viviana Scognamiglio, and Amina Antonacci among the authors of the "Novel atrazine-binding biomimetics inspired to the D1 protein from the photosystem II of Chlamydomonas reinhardtii". Their work is supported by AdSWiM Interreg Project Italy-Croatia 2019/2020.



























### **SOCIAL MEDIA ACTIVITIES**

**Facebook with 3 profiles:** 

**Adswimproject** (119 followers)

**Adswim Univpm** (83 followers)

Adwim IC-CNR (90 followers)

Twitter: AdswimProject (84 followers)

Linkedin: Adswimproject (522 members)

Youtube: Adswimproject

Web: <a href="https://www.italy-">https://www.italy-</a>

croatia.eu/web/adswim/admin-login

E-mail: adswimcommunication@gmail.com



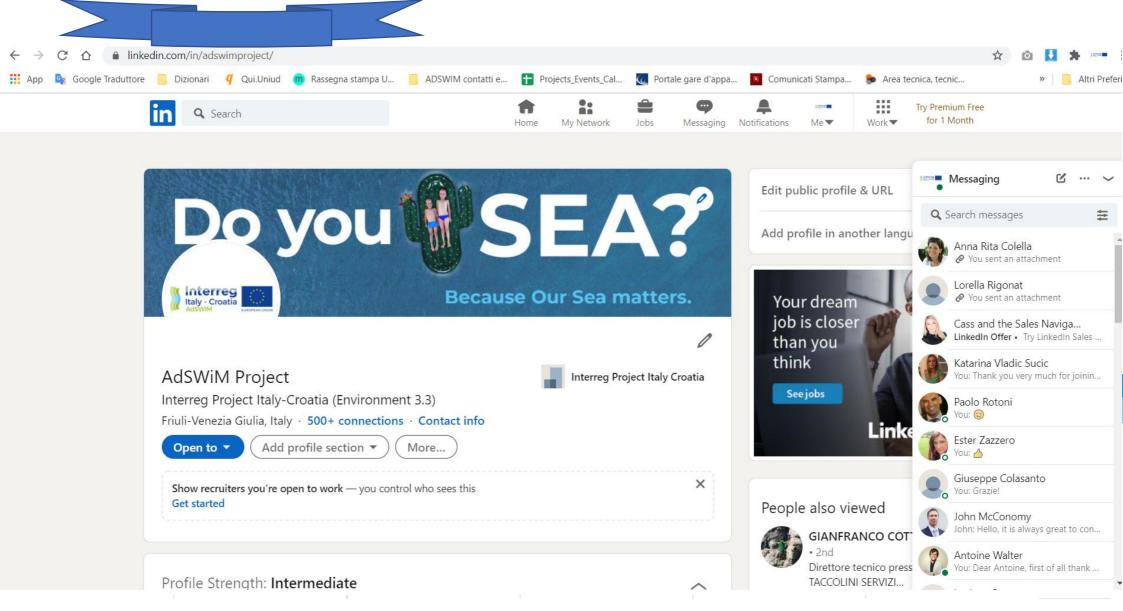






# Activities in WP2: what has been done from July 2020

Linkedin profile with 522 active members – experts and media!



# Activities in WP2: what has been done from July 2020

## **Social Media Activities**

**Adswimproject** 70 POSTS

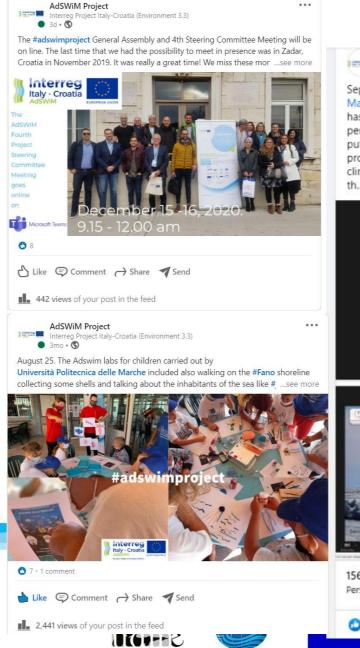
**Adswim Univpm** 23 POSTS

**Adwim IC-CNR** 25 POSTS

Twitter: AdswimProject

47 tweet and 34 retweets

Linkedin: Adswimproject 53 posts





September 11. Silvia Illuminati, Univpm Università Politecnica delle Marche Dipartimento di Scienze della Vita e dell'Ambiente - Univomi has started with her workshop for teacher's formation saying: "Some persons are asking me if the climate changes are real? I don't like to put it in this way; we should precise that there are several global problematics regarding our planet and a global change is more than climate change. So our approach should be systematic and global as th... Altro...

Adswimproject

11 settembre · 3





1567 Persone raggiunte Interazioni

Metti in evidenza il post





Commenti: 1 Condivisioni: 8 **METRIS** 

ARCHITECTURE AND GEODESY



# Activities in WP2: what are we planning to do in 2021

# KEEP PROMOTING OUR AWARENESS CAMPAIGN



One shared awareness campaign "Do you Sea?" and it's claim "The Sea is One, its care Belongs to Everybody" embraces all our initiatives, events, workshops and trainings gathered in our editorial shared plan, based on International Days that celebrates water, sea, research, health and issues of the Agenda 2030 that are related to our work and includes all media channels and different supporting materials and gadgets.

The campaign has been developed using 3 main images - a woman on sea mattress, a man on the sea mattress and kids on the sea mattress in order to involved all target groups.

Till now we have produced two main campaign images: "woman" (used from November till May), man that will be used from June till September and "Kids" that will be used from September to December 2020. In 2021, we will return back to the "woman" campaign.



























# Activities in WP2: what are we planning to do by the end of 2020

### A STRATEGY UPDATE by December 2020:

a calendar of events and international days that will be focused on the quality and protection of the environment, topics of great importance for 2021:

- on March 22 we will celebrate an important anniversary the 28th anniversary of World Water Day which will focus on the theme of «valorisation of water as a resource ".
- On **22 April** we will have an appointment with the 51st anniversary of **World Earth Day** to emphasize the need for the conservation of natural resources.
- On June 8, our "blue lungs" will be celebrated around the world, with World Seas and Oceans Day.
- In September, however, there will be the international event dedicated to Water Monitoring (18) and climate change with the Global Climate Action Day (25).
- Finally, on October 26 there will be the celebration of the 76th anniversary of the United Nations
  which will remind us of the commitments made in 2015 with the 17 goals and with the 2030
  Agenda for Sustainable Development.



























### **PARTNERS ENGAGEMENT and SUPPORT:**

- **PARTICIPATE:** in general, optimize the dissemination and promotion of what has been done and strengthen the activities via social media, web with participatory activities WP 2.3
- COMPLETE: complete WP 2.4 activities (lab, visits and didactic module) and WP 2.2 activities (articles)
  - **SUMMARIZE:** Complete WP 2.2 brochure and infographic video 2
    - **CELEBRATE**: Prepare for the final conference!



























#### PARTNERS ENGAGEMENT and SUPPORT:

**PARTICIPATE:** in general, optimize the dissemination and promotion of what has been done and strengthen the activities via social media, web with participatory activities WP 2.3

### Active participation on social media

We will prepare a campaign "Put a LIKE to Adswim FB posts and Tweets and invite your social friends to LIKE and follow Adswim social pages".

### Organization of an active involvement of PP partners in social media activities.

A annual calendar of social activities for each PP will be prepared in order to have a news published every two weeks. On two weeks rotation basis, PPs will take care of the contents of the social activity (photo + max 300 characters text).

Each PP will send the contents to PP2 in order to publish them on social media.



























### PARTNERS ENGAGEMENT and SUPPORT:

**COMPLETE:** complete WP 2.4 activities (lab, visits and didactic module)

From JANUARY till 8 JUNE 2021:

DIDACTIC MODULE FOR TEACHERS IN ITALY and in Croatian schools with Italian language

From May/June on:

**LABS for schools** need to be scheduled **(UniUD, Municipalities of UDINE and Pescara, UNIVPM, Metris)** - in presence or on line. New labs in schools in Croatia with other partners?

VISIT to coastal and measurements points on the sea: A new project with UNIVPM "Un mare di buoni motivi (a sea of good reasons) in collaboration with the "Williams Syndrome Parents Association", with the participation of the G. Vivani Fanese Nautical Club. (<a href="https://www.marinadeicesari.it/vivere-mare-combattere-sindrome-williams/">https://www.marinadeicesari.it/vivere-mare-combattere-sindrome-williams/</a>)

VISITS to DP with CAFC and VIK – in presence or online.



























### PARTNERS ENGAGEMENT and SUPPORT:

**COMPLETE:** complete WP 2.4 activities (lab, visits and didactic module)

<u>Platform NEXTGEN Adriatic Cooperation: New tools on our disposal with the collaboration of the Interreg Italy Croatia Programme:</u>

**EVENT FICHE – SMALL TALK** with Watercare project and Argos strategic project (UNIUD, *Public Health Institute of Zadar, UNIVPM in collaboration with IRBIM-CNR (Elisa Baldrighi), UNIST-FGAG , METRIS) – tbd* 

**EVENT FICHE – SMALL TALK** with experts Fatone and Coen – external expert for Comune di Udine, UNIST-FGAG The presentation of a comparative analysis between the Croatian and Italian integrated hydro-system from the legislative point of view matched with the innovative technical research in the field of WWT

**EVENT FICHE – INTERVIEWS** - 3 target group tailored interviews will be made with WWTP managers/municipal officers/involved stakeholder to present the plant to the target groups. The format could also foresee videos and/or motion graphic or dissemination documentation already prepared by PPs.



























### PARTNERS ENGAGEMENT and SUPPORT:

**COMPLETE:** complete WP 2.4 activities (lab, visits and didactic module)

VIK VIDEO VISIT to DP – one study visit in form of an "interview "

**CAFC VIDEO VISIT with interview – reef balls positioning** 



























### **PARTNERS ENGAGEMENT and SUPPORT:**

**COMPLETE:** complete WP 2.2 activities (articles)

To PUBLISH an ARTICLE on a MAGAZINE for Croatian partners (i.e. HRVATSKE VODE publications)



























#### PARTNERS ENGAGEMENT and SUPPORT:

**SUMMARIZE:** Complete WP 2.2 brochure



The first draft of the BROCHURE templates in ITA has been produced.



























### Complete WP 2.2 brochure

The brochure (A5 format) with front and back covers, approximately max 50/60 pages internal

### **Internal chapters:**

### 1. Project presentation (5 pages estimate)

Introduction

**General Situation** 

Mission (duration and budget)

Goals

### 2. Project Partners (24 pages)

Each partner's presentation with involvement through testimonials' short interviews

### 3. Communication and events (12 pages)

The important groups of events with photos and descriptions.

### 4. Project results (14pages)

Summary of project results divided through common goals

### 5. Annexes (5 pages)

3 versions - English, Italian and Croatian and we will take care of the graphic part and copy with the partners' help. We will provide for English texts and English native speaker editing. We have arranged with Italian partners for Italian translation and editing and some of the Croatian partners have already provided for internal procurement for the Croatian translations.



























### **SUMMERISE: Partners' Brochure work and help by the end of February**

- **1.Short presentation of your institute** (half page A4 text max 1200 characters with spaces)
- **2.The activities you are directly involved in** (half page A4 text) (half page A4 text max 1200 characters with spaces) **3.An interview with one of your representatives** (it can be your coordinator or also somebody else that will respond on 5 questions through which we will get to know your institution better and your results better). (3300 characters with spaces included)

There will be different questions for each partner in order to have a project story.

- 1) You are the only partner that does not belong to the 3 types of groups of project partners: educational institutions, companies that deal with water purification and municipal administrations. How does your work relate to the project and to other partners work?
- 2) How did you involve citizens in the "Do you Sea?" campaign and what is the main message you have tried to communicate to them?
- 3) What is the result you are most proud of?
- 4) Have you invested some funds in equipment and why?
- 5) Possible future developments and new collaboration?



























#### PARTNERS ENGAGEMENT and SUPPORT:

**SUMMARIZE:** Complete WP 2.2 **infographic video nr. 2** 

#### **NEW STORYBOARD ON DRIVE**

WHAT DO WE NEED FROM THE PARTNERS? **Numeric data!** 

**5 significant numbers** that each PP has reached with the work done (not just communication): e.g. 200 samples, 30 analyzes, 5 publications, 50 people at the meeting, 1 report. Etc ...



More than
1 million people
reached



















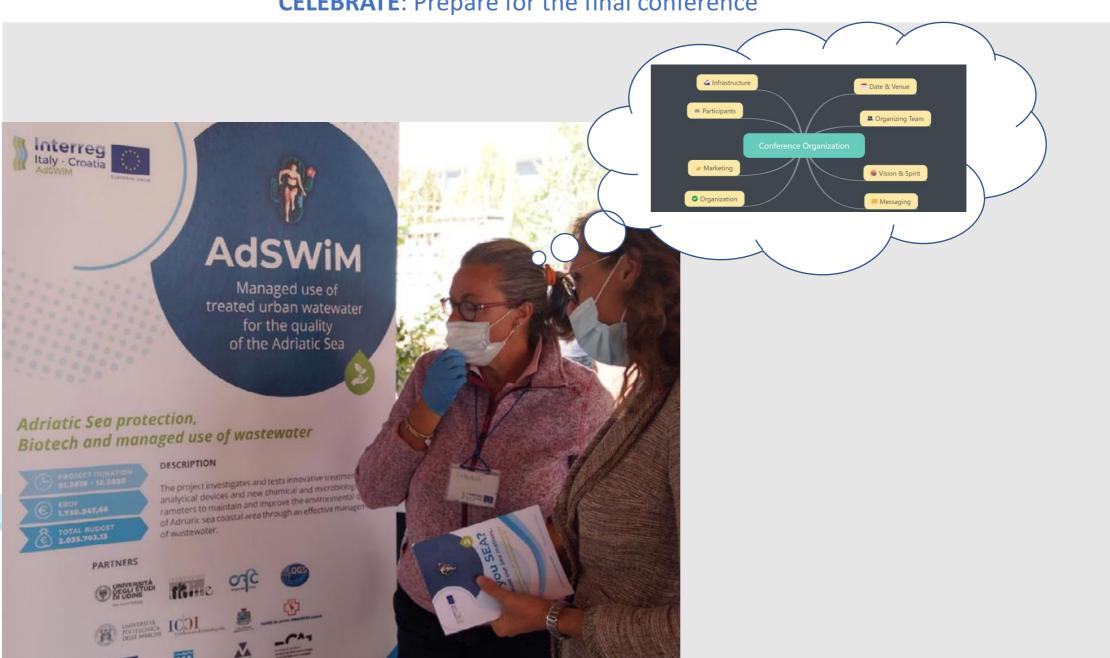








**CELEBRATE**: Prepare for the final conference



# Activities in WP2: TO DOs per PP to sum up

# Activities in WP2: TO DOs per PP...to sum up

### Printing to do per PP

- Flyers
- 1 rollup x event
- 1 poster

### Events per PP

- organization of "al least 1 workshop" at local/ national level
- Participation at at least 2 major events in the field
- 1 press release per event

#### Website

- Contribution to website contents
- PPs make a page within proper Institution website with following info:

Title - description of the project – partners – overall budget

### PP contribution to:

- 2 Articles/publications showcasing project outputs in journals or specialised magazines
   (1 at the end of 2019/ 1 at the end of project)
- 2 Infographic videos:
   One at the beginning + one at the end

### Contribution per country to:

- 1 visitor programme (5 study visits) to include relevant locations of project (Depuration plant Udine, plant in Split, treated wastewater discharge points) and draft tailored visit tours:
- 2 visits for schools / 2 visits for citizens/ 1 visit for experts



























# Contacts

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Patricija Muzlovic

























