

State of art

AdSWiM project | WP2 | Municipality of Udine

Steering Committee Meeting | online | 14.12.2021

Activities in WP2.2: New social graphic design for events and workshops



September 24, 2021. Adswim workshop and course. 14.30-19.00 central european summer time

Remtech Europe September 24, 2021

WASTEWATER CONTROL AND SEAWATER QUALITY: IT IS POSSIBLY TO DO IT, ACTING **DIFFERENTLY?**













Local workshop in Udine September 16°, 2021



Activities in WP2.2: New leaflet for school labs for ZZJZ



ovima, a odobrio ga je znanstveni odbor



Briga o njemu pripada svima. Jadransko more je Jedno.







održavanju čistoće našega mora! kako bi shvatili kako možete doprinijeti

italy-croatia.eu/web/adswim i na mreznoj stranici:









WIMSPD# pasnolop#

Pratite nasu kampanju #Zivišlimore

ciljeve trebamo Vašu pomoći Kako bi ostvarili postavljene

svilest o oneciscenju i ocuvanju morske vode. jektu, uključen je i u komunikacijske aktivnosti i promociju kampanje i loska ispitivanja hrane, voda, predmeta opce uporabe i otpada. U proza izpitivanje odabranih značajki kemijska, fizikalna, mikrobiološka i bioosposobljenosti prema zahtjevima norme HRN EN ISO/IEC 17025:2007 dobivenim potvrdama o akreditaciji Hrvatske akreditacijske agencije o Zavod razvija sustav kvalitete i njeguje načela izvrsnosti što je rezultiralo kajne, biološke i mikrobiološke analize i obrade prikupljenih podataka. ske vode na nasem zemljopisnom području i u provedbu kemijske, fiziprovedbu tematskih radnih paketa i u uzorkovanje otpadnih voda i morekologiju i zaštitu okoliša, Odjel za zaštitu okoliša i mora uključen je u zdravstva. Zavod ima 7 odjela a u sklopu projekta, Služba za zdravstvenu opanjanje stručne i znanstveno-istraživačke djelatnosti u oblasti javnog spektivan visokoobrazovani pomlađeni stručni kadar osposobljen za 66 godina iskustva, od čega 26 godina samostalnog djelovanja te peran usused soom, moverid a senso se boves tovas in more posser in noj zaštiti utvrđena kao djelatnost od interesa za Republiku Hrvatsku.

koja djelatnost je Zakonom o zdravstveopganigule javnozgravstvene djelatnost, a zdravstvena ustanova osnovana za trajno Zavod za javno zdravstvo Zadar je



ZAPOČETI VAŠ POSJET! SADA STE SPREMUI



AdSWiM: upravljanje pročišćenim otpadnim vodama radi osiguravanja kvalitete Jadranskog mora

Didaktičke laboratorijske vježbe



Očuvanje vode te učinkovitije upravljanje i optimizacija uređaja za pročišćavanje komunalnih otpadnih voda koje se ispuštaju u Jadransko more.



PUTOVANJE

Sustavi vodoopskrbe omogućavaju opskrbu vodom iz izvora, rijeka i potoka, prirodnih i umjetnih jezera, ali i mora. Voda se prvo zahvaća na

odabranom izvoru, pročišćava se od raznih nečistoća i bakterija te putuje dalje kroz cijevi do slavina. Voda se zatim koristi za svakodnevne potrebe u kućanstvima i različitim gospodarskim sektorima (industrija, turizam i slično). Potom, korištena voda zajedno s kišnicom završava u sustavu odvodnje, te cijevima dalje putuje do uređaja za pročišćavanje otpadnih voda, koji tako pristiglu vodu pročišćavaju (mehanički, biološki i kemijski). Na samom kraju putovanja, pročišćena voda slijeva se u kanale, potoke i rijeke, sve dok ne završi u moru, a ponekad se izlijeva i izravno u more

LAB VJEŽBA 1 Uz malo čarolije, prliave vode nema više!



Izgradimo mali pročišćivač otpadnih voda te otkrijmo kako funkcionira pravo postrolenie za pročišćavanie otpadnih voda! leste li spremni? Započnimo!



 Zaprliaite čistu vodu: uliite vodu u prozirni spremnik i zaprljajte je zemljom, lišćem, pijeskom ili travom.

2. Uzmite staklenu/plastičnu posudu sa šupljikavim dnom te komad papirnatog ubrusa od kojeg je potrebno izrezati filtar u obliku kruga malo većeg od dna ove posude.



3. Stavite prethodno oblikovani filtar na dno posude i prekrijte ga pijeskom do polovice posude, a povrh pijeska dodajte jedan red kamenčića.

4. Posudu sa šupljikavim dnom naslonite na novi prozirni spremnik te kroz nju ulijte prljavu vodu iz prvog spremnika.

Promotrimo!



Voda koja stiže u novi prozirni spremnik je pročišćena, ali još uvijek nije spremna za piće! Vaša tri filtra (upijajući ubrus, pijesak i kamenčići) zadržali su određenu količinu nečistoća. Prava postrojenja za pročišćavanje otpadnih voda isto tako koriste razne filtre i slične procese za izdvajanje onečisčujućih tvari, bakterija i virusa kako bi se u naše rijeke i mora ulijevala čista voda

Razmislimo!

Koliko vrsta onečišćene vode proizvodimo? Koliko vrsta onečišćene vode poznajemo?

Utječe li onečišćena voda na život u rijekama ili morima u koje se ispušta? Može li se pročišćena voda ponovno koristiti?

Osim pročišćavanja otpadne vode, što uređaj za pročišćavanje otpadnih dodatno proizvodi? A što dodatno proizvode ljudi? Što možemo učiniti za očuvanje i zaštitu okoliša?

VJEŽBA 2 Sommelieri za vodu

Postanite stručniaci u kušanju vode i otkrije njezine različite "okuse". Kao što pravi sommelier poznaje svaku

tainu vina, tako i sommelier za vodu poznaje svaku tajnu vode za piće!

Razmislimo!

Kako se priprema voda za piće? le li svaka voda ista? Koje različite elemente voda može sadržavati?

Možemo li piti vodu iz slavine? Možemo li piti pročišćenu vodu? Zašto je voda iz rijeke slatka, a voda iz mora slana?









Activities in WP2.2 new leaflet for labs for schools for Metris



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CONTRIBUTION

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npon ez S ASSECV 87

REBUIRD ON WHERE Ulvegein flve i mem genenemen. Mojetic AddWilliam - 20 Selfu Availtecu



AdSWiM: upravljanje pročišćenim otpadnim vodama radi osiguravanja kvalitete Jadranskog mora

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PUTOVANJE

histavi vodosestrbe progutava-U opoliche vodori iz izvera, rijeta i potoka, prirodnih i ureletnih tesera. all I more. Vode se prvo retveta ne

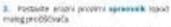
odataraniam itsoru, profiličava se od raznih nedistoča i žiakterija te puhuje dalje kroz čijevi pio stavina: Vada se zatim koristi za svakadnevne potrebe u kučanstvena i razlifitim gosaodorskom sektorina (nolustrija, furtisam i sitóneó. Potem, korlištena reda hátedne s klántosm ravršava u sustanu odvodnje, ta djenima dalje putuje do uredaje za pročišćenenje otpadníh veda, koji tako priedglu vodu profilitavaju (mehanički, blološ-M) kemijokiji his comom kraju jeutovanja, pročiščena voda slijeva se u largin, potale i filete, sve dusine raviff u monula ponekad se zitieva i (asamo u more.

LAB VJEŽBA I Uz malo čarolije, prljave vode nema više!



Pripremime mail predititived oppositiv yoda to otkrijmo koka funkcionira pravo postrojenje za pročišťavanje ostadnih vodir. Sista II spremit? Zapačnimo!







3. Whor power his shading theleg pholi-Sötvada ubache vatu, uplikeud ubrus, komenčiće, aktýro ugčen Mi piješak.

4. They distore no wife, making probbbywile ulita vedu keju sta paprijali u korako 1.



Prometrimat



Voda koje sože u novi prozimi spremnik je pročišćena, ali još o vijek tije spremna za pičel kali filom zadržel su odrođenu količno nečistoća. Prava postrojenja za pročitćavanje otpodnih voda esto tako spriste rizane filtre i silbre procese za bolupor je anolisis puth Ivers, bakterta i vrusa toko lx se o naše rijeko i more ultowers that years.

Ranyiglimet

Rollina visita oriečišćene vado preizvodimo? floika visis craditione vode povracemo? Utjače li pročiščene voda na život u rijekama iti morima u koje se ispušta?

Made it so profitiena vada panovno koristi? Doin profittavaria otundre vade, ito uredaj za profittavaria srpadnih do-Sith o prespond? A Sto dedatina prospede Suti?

Sta motione of nitriti ra of ownite i subtitui disabbili









Activities in WP2.2: New social graphic design for new year greetings card





























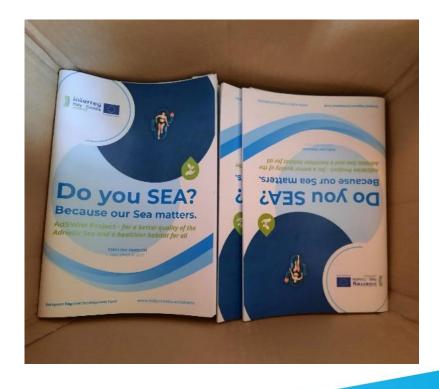


Activities in WP2.2: Brochure

The brochure has been produced in ITA, CRO and ENG both in a online

and printable version



























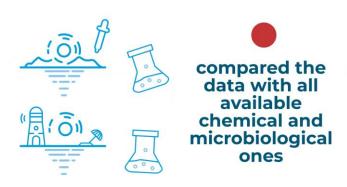


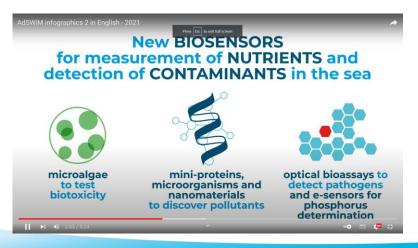


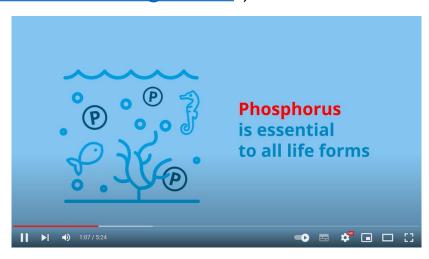


Activities in WP2.2: Animated infographic

The second animated infografic has been completed and published on AdSWiM Youtube channel (https://www.youtube.com/watch?v=97cW3d4VmYg&t=11s).



































Activities in WP2: One campaign – 3 targets

Four social campaigns have been launched on social media in this semester: The Mediterranean Sea (July 8th); International Girls Day (October 11th), World Science Da (November 10th) Children Rights Day (November 20th).





www.italy-croatia.eu/web/adswim



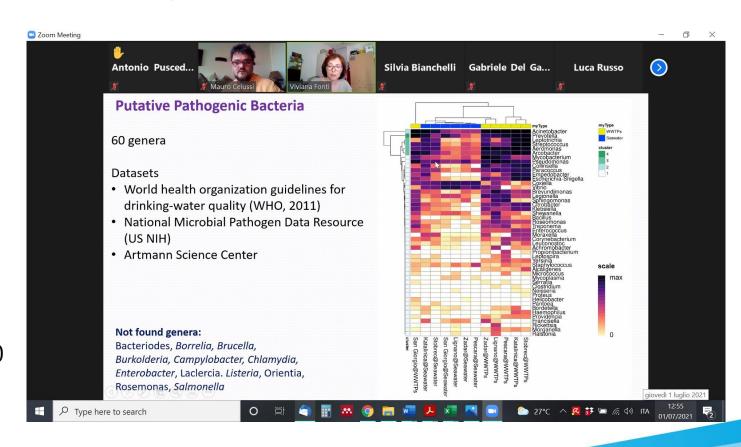


Activities in WP2: Promotional material printing



International event AIOIL Congress participation

Istituto Nazionale di
Oceanografia e di Geofisica
Sperimentale - OGS
researcher Mauro Celussi,
moderated the session
entitled "New prospects in
integrated #marine #ecology:
from #biodiversity to
ecosystem services" at the
25th #AIOLCongress that
takes place online between 30
June and 2 July 2021.































Online international event





New scientific contribution from our partners

<u>Università degli Studi di</u>

<u>Udine</u> and <u>Univpm</u>

<u>Università Politecnica delle</u>

<u>Marche TraCE Lab</u> related to the technological innovations and
<u>#wasterwater</u>

management.

Bioanalitica 2021 | Electrochemical Sensors

POM/PMO-decorated Plastic Electrode for the Sensitive Detection of Phosphate in Oligotrophic Seawaters

Sondes Ben Aissa, Anna Annibaldi, Sabina Susmel.

Online Conference | 13 July 2021































Online international event

July 27. Dr. Viviana
Scognamiglio, PhD from
our Italian partner IC CNR- Institute of
Crystallography, National
Research Council – CNR
(PP5) Adswim Ic-Cnr
presented the Adswim
research work and project
partial results during the
International #Biosensors
Conference 2021...





























Online international event

September 23. Project Watercare joint event with Comune Di Udine and Zavod za javno zdravstvo Zadar as Adswim representative

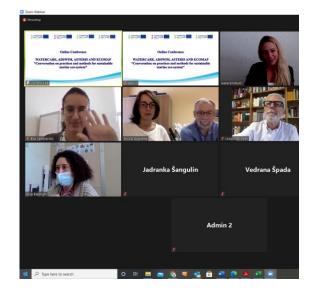


September 23, 2021. Joint conference online on ZOOM. 10.00-13.00 central european summer time

"Conversation on practices and methods for sustainable marine eco-system"



AdSWiM





Online Conference WATERCARE, ADSWIM, ASTERIS AND ECOMAP

"Conversation on practices and methods for sustainable marine eco-system" Zoom Platform

23 rd September 2021	
9:45 - 10:00	Registration
10:00 – 10:15	Moderator introduction to the event Ivana Kristović, Dubrovnik Neretva Region, WATERCARE
10:15 - 10:30	Water management solutions for reducing microbial environment impact in coastal areas Elisa Baldrighi, CNR IRBIM, WATERCARE
10:30 - 10:45	Sampling of WATERCARE sites Vedrana Spada, Universita' Istriana di scienze applicate, WATERCARE
	Moderator introduction to next project and speakers
10:50 - 11:05	Wastewater & Adriatic Sea Quality: The Laboratory Experience in Interreg IT-HR ADSWIM Project Jadranko Sangulin Institute of Public Health of Zadar, ADSWIM
11:05 - 11:20	Comparative analysis of Italian and Croatian legislation on watercare: critical issues and opportunities prof. Leopolda Coen. consultant for Municipality of Udine, ADSWIM
	Moderator introduction to next project and speakers
11:25 - 11:40	Risk of salt intrusion in coastal aquifers related to future climate scenarios Gaia Galassi, University of Urbino, Department of Pure and Applied Sciences and Marche Region, Environmental Assessment Office, ASTERIS
11:40 – 11:55	An adaptation plan for the salt water intrusion into the coastal aquifer of Fano (PU, IT): management of risk in sea level ries scenarios Nicolo Quaranta, GEO engineering s.r.l, Turin, ASTERIS
	Moderator introduction to next project and speakers
12:00 – 12:15	Water recovery pilot plant through the installation of accumulation tanks in the beach showers, for the recovery of water to be used for irrigation Lorenzo Braida, Biblione Mare S.p.A. of San Michele al Tagliamento, ECOMAP
12:15 - 12:30	Pilot Actions in Spinut and Strozanac marinas for the containment of water polluttants Diego Santaliana, International projects coordinator Upper Adriatic Technology Park, ECOMAI
12:30 - 13:00	Wrap up, discussion, main conclusions (all participants)

European Regional Development Fund





























Online international event

September 24: Adswimproject on Remtech today: Adswim project on RemTech Expo Ferrara Fiere today



18.15 Conclusions 19:00 End of the session



























Online international event



UNIVM at Sealogy in Ferrara
19 November 2021





























Online international event



On October 10, 2021, Our Project AdSWiM was presented at a National policy roundtable which gathered 22 key stakeholders that are co-creating the legal and policy framework in Croatia. The roundtable was organized on Thursday, 7th of October 2021 at the Dioklecijan Hotel & Residence, Split by PP9 (Split Water and Sewerage Ltd.) within Project City Water Circles - CWC (cofinanced through the Transnational cooperation program INTERREG Central Europe 2014.-2020.), Boris Bulović, Project Manager of Vodovoda i kanalizacije d.o.o. Split provided participants with interesting information about the AdSWiM project, its main objectives, and results. The main goal of the CWC roundtable was to develop a dialogue regarding the country's national frameworks and the developed national level policy recommendations. Moreover, a creative debate and brainstorming session was encouraged in order to underline the key data and stimulate further sustainable development. More about Adswim: https://lnkd.in/dpzVnyQy



















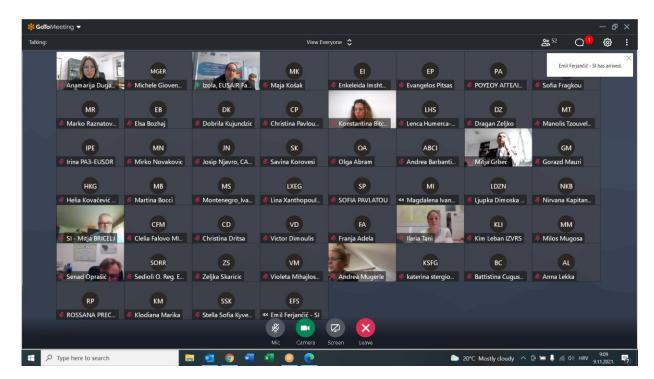








Online international event



On November 9, 2021, a joint workshop of TSG3 and TSG1 was organised with the focus on the state of the art and further enhancement and recognition of marine protected areas (MPA) and spatial planning at #sea and river basins in @EUSAIR region. Our #adswim partner's representative dr Anamarija Krilić (participated in the international event applied chemistry specialist at Izvor Ploče Doo Itd.)



























Online international event





On November 25, 2021, Our Project AdSWiM was presented at the 5th Stakeholder Group meeting which gathered various key stakeholders and external experts working on the Project. The meeting was organized within the Project City Water Circles - CWC (co-financed through the Transnational cooperation program INTERREG Central Europe 2014.-2020.) by Split Water and Sewerage Ltd., one of the Croatian AdSWiM Partners (PP9) that held the meeting in blended edition. The participants were provided with interesting information about the Project AdSWiM, its main objectives, and results. The main goal of the CWC Stakeholder Group meeting was to develop a dialogue regarding water efficiency and reuse, as well as showcasing the pilot project results and future actions. Moreover, a creative debate and brainstorming session with a panel of experts was encouraged in order to underline the key data and stimulate further sustainable development.

























Online local workshop

July 21. The Croatian partner Izvor Ploče Doo (PP8), has organized the second local workshop via virtual platform "Zoom" and gathered several experts from water utility companies of Vrgorac Ltd. and Metković Ltd. The main goal of the workshop was to present the innovative technologies for wastewater treatment and purification aerobic granular biomass, photodisinfection, and the possibilities of their application in the process of wastewater treatment and purification of the Vrgorac agglomeration.

























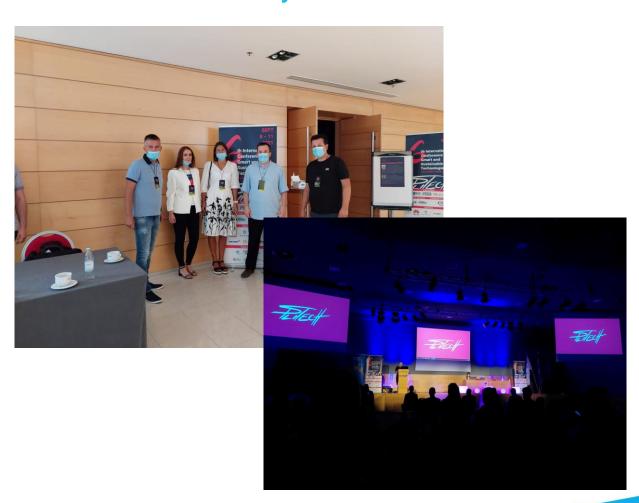






Online local workshops

Izvor Ploče Doo (PP8) organized the third local workshop that was held on September 10, in Bluesun Hotel Elaphusa, Bol, as a part of the international #SplitTech conference. he workshop gathered several experts from utility companies and numerous other experts in the field of water utilities. The main goal of the workshop was to present the project and its main objectives, together with the innovative technologies for wastewater treatment and purification There was the possibility to follow the presentation also on line in blended edition.































Local workshop Municipality of Udine

September 16th Adswim event - local workshop, blended edition dedicated to "THE PROTECTION OF THE ECOSYSTEM OF THE ADRIATIC SEA AND ITS COAST", organized by the Municipality of Udine and University of Udine, in collaboration with the Institute National Oceanography and Experimental Geophysics - OGS and with CAFC SpA.

























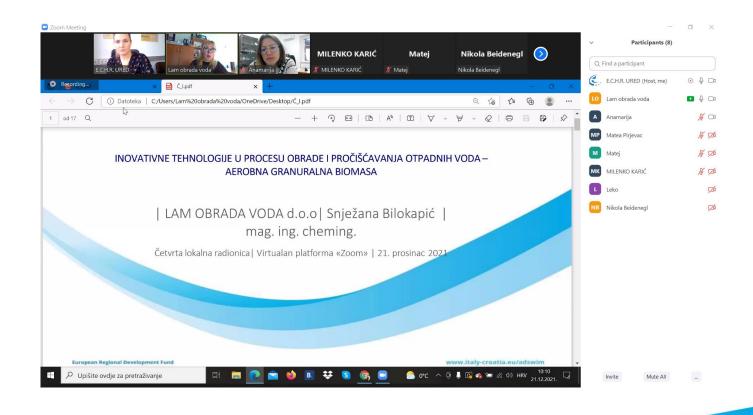






Online local workshop

On December 21, our partner Izvor Ploče Doo has organized the fourth local workshop via virtual platform "Zoom" and gathered eight participants. The main goal of the third workshop was to present the project final results, together with the innovative technologies for wastewater treatment and purification - aerobic granular biomass as well as the possibilities of their application in order to increase the quality of Adriatic Sea.































Kids summer labs with UNIVPM

Also this summer on August 3 and 4 Adswim Labs were organised <u>BaiaMetauro</u> (Fano,) thanks to the collaboration of the <u>Univpm Università</u>

<u>Politecnica delle Marche</u>
(Polytechnic University of Marche), <u>Reef Check Italia</u>

<u>Onlus</u> and Summer Camps

<u>Centri Estivi Sportivi JUMP</u>.































Kids summer labs with UNIVPM

September 9. After the success of labs organised in August, the Polytechnic University of Marche (Univpm Università Politecnica delle Marche), Department of Life and Environmental Sciences (DiSVA) - TraCE Lab, with the precious collaboration of the summer camp Centri Estivi Sportivi JUMP, organised new labs for 18 kids and families on the beach of #Senigallia































Local event/workshops





September 24th this **Sharper - Notte** Europea dei Ricercatori-Researchers' Night with our partner Univpm Università Politecnica delle Marche and their lab **#DEPURIAMOIL** ARE: DO YOU SEA? (let's clean the sea: do you Sea?) focused on the #wastewater depuration.



























Guided study visits – students

Educational #Adswim guided visit at the Fano treatment plantfor 40 students of the three-year and master's degree courses in Environmental Sciences of the Univpm Università Politecnica delle Marche (Polytechnic University of Marche) was held on October 21, 2021.































Didactic modules for teachers

December 2021 -Univpm Università
Politecnica delle Marche visited the
primary schools involved in the in the
#AdSWiM didactic module "Do you Sea?"
and delivered certificates and gadgets to
teachers, classes and pupils (2 schools, 18
teachers, 7 classes) and 1 secondary
school (1 teacher and two classes) in
different moments and during different
cerimonies held in presence of the
schools' principals, head teachers and
educational representatives.































Press release

One press release has been launched in this semester in the framework of the local workshop THE PROTECTION OF THE ECOSYSTEM OF THE ADRIATIC SEA AND ITS COAST", organized by the Municipality of Udine and University of Udine _ September 14 2021



























Press release

prepared on October 16th 2021 in occasion of th CAFC article









L'esperienza del progetto AdSWiM ed il coinvolgimento del territorio

AFC S.p.A. è uno dei partner del progetto Interregionale Italia – Croazia "AdSWiM" uso gestito delle acque depurate per la qualità del mare Adriatico.

E' un progetto Europeo di cooperazione transfrontaliera, coordinato dall'Università di Udine - Dipartimento di Scienze AgroAlimentari Ambientali e Animali- e comprende dodici partner fra italiani e croati che lavorano per migliorare la qualità del mare, applicando tecnologie innovative di monitoraggio, trattamento e gestione delle acque reflue urbane.

CAFC ha sempre collaborato, ed anche questo progetto ne è la dimostrazione, con le Università e gli istituti di ricerca vicini, su tematiche ambientali, sulla gestione della risorsa idrica, dalla sua protezione negli acquiferi di emungimento, al suo rilascio all'ambiente circostante.

L'interesse alla partecipazione in Adswim è stato subito colto; dalla stesura dell'idea progettuale emergeva infatti la possibilità di studiare, indagare e confrontarsi con specialisti di altissimo livello, l'ambiente idrico dell'Alto Adriatico, e quindi meglio comprendere le influenze ed eventuali connessioni con le infrastrutture depurative. L'opportunità di far parte di una rete operativa e gestionale, non solo per armonizzare le politiche di trattamento delle acque ma anche per applicare tecnologie innovative di monitoraggio e prassi gestionali comuni è stata quindi pienamente condivisa.

"L'ecosistema complesso dell'ambiente lagunare e marino costiero – spiega il presidente di CAFC S.p.A. Salvatore Benigno - merita attenzione particolare e solamente con importanti sinergie di studio riusciamo ad approfondire le conoscenze finalizzate a meglio comprendere le particolarità della quale ci stiamo occupando. Mettiamo quindi a sistema conoscenze e competenze per un modello di governance condiviso dell'ambiente marino. Da parte nostra la condivisione dei nostri dati e delle nostre valutazioni disponibili di nostra







competenza saranno sempre accessibili dagli Enti che, in rete, si interessano e si confrontano sul tema".

Proprio per questo, dopo 30 mesi progettuali si è sentito l'esigenza di organizzare, il 16 settembre u.s., un workshop dedicato a "La tutela dell'ecosistema del Mare Adriatico e delle su coste", per condividere con gli amministratori locali, i tecnici, i media e i cittadini per condividere le attività di ricerca, le esperienze tecniche e gli approfondimenti legislativi che hanno caratterizzato il progetto.

L'obiettivo è stato quello di restituire al territorio locale le esperienze del lavoro svolto dai 12 partner italo croati che si sono impegnati nello sviluppo di un modello innovativo di uso gestito delle acque depurate e con un impatto di sostenibilità ambientale elevato, che potrà, una volta testato, essere trasferito anche ad altri impianti di depurazione, in modo da uniformare e condividere modelli di gestione delle acque reflue trattate su tutto il territorio lungo le coste adriatiche, come sottolinea il motto di AdSWiM: il mare Adriatico è uno, la sua cura è di tutti!

Il progetto europeo, che si concluderà a dicembre 2021 con una conferenza di chiusura, è stato premiato di recente come esempio di buona pratica dal Programma Italia Croazia 2014-2020, per l'impegno ed il coinvolgimento cittadino, in particolare per il coinvolgimento di oltre 600 alunni e 80 insegnanti raggiunti con le attività di formazione mirate ed un modulo didattico creato ad hoc, grazie ad una campagna di sensibilizzazione convincente intitolata "DoyouSea? – Vivill-Mare – e tradotta in tre lingue (italiano, croato e inglese).

La progettazione europea è di stimolo nel progredire e proseguire nella giusta direzione per creare sinergie territoriali proprio in tal senso.

CAFC investe ogni giorno per garantire ai cittadini dei territori su cui operiamo un futuro sostenibile; investimenti materializzati anche nelle progettazioni innovative e nella partecipazione/contribuzione a ricerche.

Un ambiente sano e sostenibile, acqua ed energia pulita, in armonia e nel rispetto delle risorse che fornisce la natura: queste sono le condizioni necessarie, essenziali, alla vita e dobbiamo lottare con forza per mantenerle e migliorarle.



Press release

December 14°, 2021

The Final AdSWiM Event online December 14, 2021 10 am - 15.30 pm





















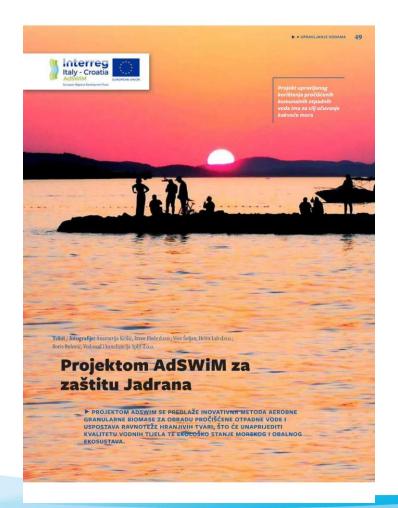


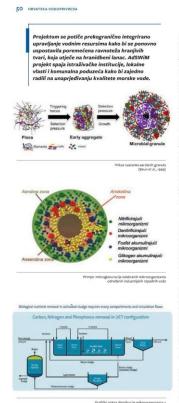






Publications – Academic issue





Projekt "Upradjimo korificenje pročišćenih komunalnih opadnih voda radi kvalitece Janankos pomo" (Ad-SWMA), počeo je u siječnju 2019. godine. Nosticil projednja Sevadilište u Udinisana, Pakulet graderinarstva, arhitekture i goodozije jedna je od 5 projektuh partnem iz Ir Hvratske (Zoodo za jasmo adravato Zadar, favor Poče d.co., Vodovod i knatilizacija Split d.co., HELEA LAB do.o.) i udupno di bralja (Evacija Split d.co., HELEA LAB do.o.) i udupno di bralja (Evacija Split d.co., HELEA LAB do.o.) i udupno di bralja (Evacija Split d.co., HELEA LAB do.o.) i udupno di bralja (Evacija Split d.co., HELEA LAB do.o.) i udupno di bralja (Evacija Split d.co.) i udupno do postava se i se i projekta postava di projekta lovi projekta projekta postava di projekta postava di projekta postava ne. Ukupna vrijednost projekta je 2035/20342 cura od čega se Šp. Si financia iz sredstava Bruopskog fonda sa regionalni razvoj. Predviđeno trajanje projekta je do kraja 2021. godine je postava projekta je do kraja 2021. godine

Kvalitera vede u Jadranskom moru je izrazito beterogena. Eckološle, adravenven i higjenske karnäteristike vode razilkuju se od područja do područja u Jadranskom moru. Na nekim područjam upjerimo neravnožeti izrameđu hranjivih tvari (fosfor u usporedbi s dušlikom) koja se uslajej postojanja može oknoviti temineralizacijem opravaletivari, a ona uvelike ovist o sastavu i reproduktrinom kapacitetu mikrobe zajednice.

Ciljevi projekta i glavne aktivnosti

Opci cilj projekta je unaprijethi kvalitetu vodini tijela te sekološko sanje morikogi lošalnog ekousatava. Specifični ciljevi projekta su: pokoljšati okolišnu kvalitetu stanja šo-dranskog mora kroz planirano kotištenje pročišetno kordanskog mora kroz planirano kotištenje pročišetnok projekta i pr

Glame aktivnosti projekta su: nahtta į poboljanje kalvoėv vode as kupanė puem upavilaju udataim prošlėtvanjem orgalnik voda, pro-giona snadaja novih beloštich ranjem orgalnik voda, pro-giona snadaja novih beloštich ranje prekagranišchih modela su upavalijanje postrojejima sa prošlėtevanje copadnih voda, prediaganje inovativnih provjem aktimata planova pratejni, kalo via belopoštivale teritorijaine znadajio, optimizacija inovativnih amalitičikih slata ao orderbivanje ž. cal i ilienstinalini enteriokosi i inovativna obrada pročiščene copadne vode za asatitu mosekih i probalnih povrištnikih voda.

AGS tehnologija

Jedna od, projektom predloženih, inovativnih metoda obrade pročišćene ospadne vode za zaštitu morskih i priobalnih površinskih voda je metoda aerobne granularne biomase (Aerobic Granular Sludge Technology - AGS Tehnologija). A three-page article on AdSWiM project was published on December 2021 number of the Hrvatske vode Interdisciplinary journal in December 2021 thanks to the Croatian partners Izvor Ploče Doo and Vodovod i kanalizacija Split.























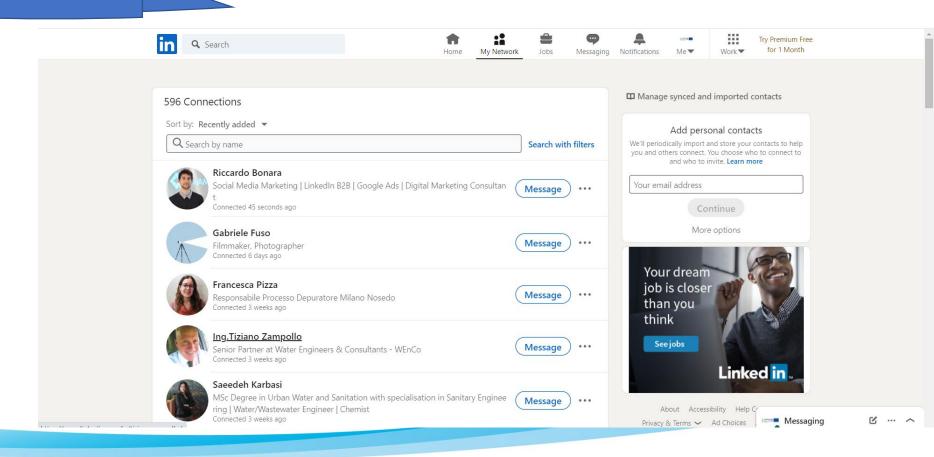








Linkedin profile with 624 active members – experts and media!





























Activities in WP2.4: what has been done from July to December 2021

Facebook with 3 profiles:

Adswimproject (220 followers)

Adswim Univpm (118 followers)

Adwim IC-CNR (126 followers)

Twitter: AdswimProject (155 followers)

Linkedin: Adswimproject (624 members)

Youtube: Adswimproject

Web: https://www.italy-

croatia.eu/web/adswim/admin-login

E-mail: adswimcommunication@gmail.com









Final conference on zoom, December 14, 2021

The conference was opened by the local and regional authorities: Marin Miletić, Project Manager, Italy – Croatia Programme, Veneto Region, Giulia Manzan, Udine Council member, Municipality of Udine, and Sabina Susmel, Project coordinator, University of Udine. In the morning hours two technical WPs were presented the research outcomes, while in the afternoon WP5 (legal guidelines and models) and WP2

