

Scholar education in IT (200) and in HR (100) carried out

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<i>Deliverable title:</i>	Scholar education in IT (200) and in HR (100) carried out
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1 DELIVERABLE DESCRIPTION

Several training and workshops for stakeholders were organized in the framework of the project STREAM.

Regarding deliverable 4.4.5, **21** events in Italy and **10** events in Croatia were organised. In total, **1553** persons in Italy (project target = 200) and **536** persons in Croatia (project target = 100) were involved in these educational activities.

The specific event documentation (agenda, signature lists, photos, follow-up report, ...) for each event is included in event-dedicated sub-folders contained in the project drive.

The following table provides the basic details of each event.

Partner number	Date of the event	Location of the event	Number and type of participants	Event subfolder	Description
PP9	2020-09-25_27	Ancona - Italy	2 Lecturers: Marche Region Civil Protection officers. Attendees: 15 Civil Service Youth	D445_PP9_Ancona_2020-09-25_27	Two training days for 15 Civil Service Youth at the Civil Protection Operative Room, on different kind of risk in which the Civil Protection Service of Marche Region is involved with specific attention to hydrogeological risk and flood events that affected the regional territory in the last years, were organized
PP9	2021-02-09	Meet platform-virtual event - Rossetti high school - Italy	2 Lecturers: Marche Region Civil Protection officers. Attendees: 1 Teacher and 1 tutor 22 students	D445_PP9_Meet_virtual_2021-02-09	An educational "by MEET platform" event with one class of the Benedetto Rossetti high school– San Benedetto, inside the school-job alternation and Stream project, took place. Marche regional and national Alert System for hydro-geological risk was presented, such as monitoring system, flow measurement and forecast modelling.
PP9	2021-04-7/8/12/16/17/19/20	Ancona Liceo Scientifico Luigi di Savoia -Meet platform-virtual event - Italy	10 Lecturers: Marche Region Civil Protection officers and one volunteer. Attendees: 3 Teacher and 2 tutor 223 students	D445_PP9_Savoia_2021-April	The lesson covered the theme of volunteering in Civil Protection; the teacher was Maria Teresa Mastrostefano, a volunteer qualified by the Marche region to enter schools with the project "Who wants to be a volunteer". with the same classes, an informative activity on the right

					behaviors to be held in case of hydro-weather risks (video realized for Stream) took place.
PP9	2021-05-14	Alberghiero "A.Einstein - A.Nebbia" - Italy di Loreto - Meet platform-virtual event	1 Lecture; Marche Region Civil Protection officers. Attendees: 3 Teacher and 2 tutor 98 students	D445_PP9_Loreto_2 021-May	didactic activities on climate change and related risks with particular reference to hydrogeological ones
PP9	2021-05-18/19	Alberghiero "A.Einstein - A.Nebbia" - Italy di Loreto --Meet platform-virtual event	5 Lecture; Marche Region Civil Protection officers. Attendees: 5 Teacher and 2 tutor 85 students	D445_PP9_Loreto_2 021-May	Informative activity on the right behaviors to be held in case of hydro-weather risks (video realized for Stream)
PP9	2021-06-15	liceo classico Leopardi San Benedetto del Tronto -Meet platform-virtual event - Italy	1 Lecture; Marche Region Civil Protection officers. Attendees: 3 Teacher and 2 tutor 81 students	D445_PP9_SBenedetto_2021-June	Informative activity on the right behaviors to be held in case of hydro-geological risks
PP9	2021-11-05	seminar at UNIPM – Hydraulics engineering department - Italy	26 students	D445_PP9_UNIVPM seminar_2021-11-05	Seminar on regional alert procedures and activities for hydrogeological and hydraulics risk
PP9	2021-11-15	liceo scientifico Galilei Ancona - Italy	2 Lecture; Marche Region Civil Protection officers. Attendees: 3 Teacher and 2 tutor 53 students	D445_PP9_Galilei_2 021_15-17November	Informative activity on the right behaviors to be held in case of hydro-geological risks
PP9	2021-11-17	liceo scientifico Galilei Ancona - Italy	1 Lecture; Marche Region Civil Protection officers. Attendees: 5 Teacher and 2 tutor 95 students	D445_PP9_Galilei_2 021_15-17November	Informative activity on the right behaviors to be held in case of hydro-geological risks
PP9	2021-11-23	Scuole secondarie di primo grado Soprani di Castelfidardo - Italy	1 Lecture; Marche Region Civil Protection officers. Attendees: 2 Teachers 45 students	D445_PP9_Soprani_2021_23Nov_7-9Dec	Informative activity on the right behaviors to be held in case of hydro-geological risks

PP9	2021-12-07	Scuole secondarie di primo grado Soprani di Castelfidardo - Italy	1 Lecture; Marche Region Civil Protection officers. Attendees: 2 Teachers 48 students	D445_PP9_Soprani_2021_23Nov_7-9Dec	Informative activity on the right behaviors to be held in case of hydro-geological risks
PP9	2021-12-09	Scuole secondarie di primo grado Soprani di Castelfidardo - Italy	1 Lecture; Marche Region Civil Protection officers. Attendees: 1 Teachers 23 students	D445_PP9_Soprani_2021_23Nov_7-9Dec	Informative activity on the right behaviors to be held in case of hydro-geological risks
PP9	2021-10-28	Caritas NPO - Civil Service Youths - Italy	On -line meeting: 23 youths	D445_PP9_CaritasNPO_20211028	On-line meeting with civil protection youths
PP9	2022-03-21	Polverigi - Italy	seminars at Polverigi - 2 Lecture- Marche Region Civil Protection officers. Attendees: 3 Teacher, 62 students	D445_PP9_Polverigi_20220321	Informative activity on the right behaviors to be held in case of hydro-geological risks
PP12	2022-09-04	Karlovac (Šetalište dr. Franje Tuđmana, 47000 Karlovac) - Croatia	Educational promotional workshop: 48 children General public: up to 400 children	D445_PP12_Karlovac_2022 Sep 4	Educational and promotional workshop (D 4.4.5.) was held on the topic of raising awareness among children and youth about floods and safety, as part of the 24th "Four Rivers" Cup. Promo material (flyers, stickers with the project logo, coloring books, USBs, ballpoint pens, t-shirts with the project logo) was distributed to those gathered with mascot animation.
PP12	2022-11-15	Polytechnic in Karlovac, Trg Josipa Jurja Strossmayera 9, 47000 Karlovac - Croatia	Two target groups: 1. students of the Polytechnic in Karlovac: 16 participants + employees of the Polytechnic in Karlovac: 4 participants 2. members of the Union of Associations of Persons with Disabilities of Karlovac County: 13 participants	D445_PP12_Karlovac_2022 Nov 15	KARLOVAC - On November 15, 2022, an educational and promotional workshop (D 4.4.5.) was held on the topic of raising awareness among students and members of Union of Associations of Persons with Disabilities in Karlovac County.
PP9	2022-12-13/16/21	Galileo high school Ancona - Italy	22 students trained	D445_PP9_Galilei_dec2022	Informative activity on the right behaviors to be held in case of hydro-geological risks

PP1	2023-01-26	Elementary school in Opuzen - Croatia	Total of 34 students participated in scholar education.	D445_PP1_Opuzen_20230126	Dubrovnik Neretva County (PP1) has organized scholar education in elementary school Opuzen on 26th January 2023. Total of 34 students participated in scholar education. The workshops for the youngest were held by the Head of the Dubrovnik Civil Protection Service, Mrs. Ana Miličić, with the participation of police officers from the Metković Police Station, Croatian Mountain Rescue Service and representatives of the Regional Development Agency of the Dubrovnik-Neretva County, DUNEА.
PP7	2023-01-27 and 2023-02-13 to 2023-03-02	Lecce - Italy	36 High school students from IIT Giorgi of Brindisi 34 High school students from Liceo Siciliani of Lecce	D445_PP7_Lecce_2023	<p>During the beginning of 2023, Fondazione CMCC hosted two groups of students in its premises. One group was for a one-day visit (January 27th) and the second group for the first year of PCTO (from Feb. 13th to Mar. 2nd), an Italian programme of exchanges between schools and private and public institutions, in which the students can live a working experience for 30 hours.</p> <p>The students were introduced to the general activities of the Fondazione and the different offices, were able to visit the Supercomputing Center hosted at the headquarters (and understand the complexity of big data management) and were specifically informed and trained on some activities of the Fondazione CMCC.</p> <p>In fact, in both cases, within the presentation of Fondazione CMCC activities and particularly those related to marine forecasting and flooding modelling, STREAM project was presented using a ppt presentation and some discussion with the main scientific responsible. The students learned about modelling activities and for the PCTO ones, having more time, exercises of how to download data, visualize variables and plot maps were also performed.</p>

PP9	2023-03-20	Volterra high school Ancona - Italy	25 students trained + 2 teachers	D445_PP9_ASOC_2023_March	<p>In date 20th March 2023 a class (25 students and 2 teachers) from IIS Volterra High School Institute, inside ASOC project https://www.ascuoladiopencoesione.it/it/news/ASOC-ETC-2ndEdition, was hosted by Functional Centre of Civil Protection in Ancona (IT).</p> <p>The main goals of STREAM project were described and a technical tour to the forecast and monitoring rooms were realized.</p> <p>Some STREAM gadgets were distributed to the students (pencils and smartphone waterproof cases).</p>
LP	2023-03-31	Ploča branch school (Elementary school Krsto Krstić) in Zadar - Croatia	44 students + 5 teachers	D445_LP_March_2023	<p>As part of the public event there were 44 schoolchildren and 8 school teacher. During the event, the participants and schoolchildren received 100 leaflets as part of deliverable D.2.2.1. Project leaflets, 100 gadgets (accreditation, colouring pencils, pens, invitations for infoday) – bags with gifts for schoolchildren as part of deliverable D.2.2.2. Gadgets, 100 flyers as part of deliverable D.2.2.4., and 100 booklets as part of the deliverable D.4.4.7. As part of deliverable D.2.3.4. ZADRA NOVA recorded a promotional video on the progress of the construction works in phases related to the construction of the Ploče raingarden, which was not a project obligation, but it was done due to the improvement of the project visibility.</p> <p>Also, 4 articles were published online:</p> <ol style="list-style-type: none"> https://www.grad-zadar.hr/vijest/opce-vijesti-28/kisni-vrtovi-u-podrucnoj-skoli-ploca-8057.html https://www.znet.hr/2023/03/31/fotogalerija-kisni-vrtovi-u-podrucnoj-skoli-ploca/ https://zadarska-zupanija.hr/novosti/item/3948-predstavljani-ki%C5%A1ni-vrtovi-u-

					sklopu-projekta-stream 4. https://zadra.hr/hr/novosti/3693-predstavljen-ki%C5%A1ni-vrt-ure%C4%91en-kroz-projekt-stream-djeca-podru%C4%8Dne-%C5%A1kole-na-plo%C4%8Di-posadila-cvije%C4%87e-uz-moto-%E2%80%9Ei-mi-smo-posadili-cvijet-za-bolji-svijet%E2%80%9C .
PP4	2023-03-27/31	Remo Brindisi High School - Comacchio (FE) - Italy	155 students trained	D445_PP4_Comacchio_IIS Remo Brindisi	From 27 to 31 March 2023, an educational-training activity was organized for the students of the "Remo Brindisi" Hospitality Institute in Comacchio, Porto Garibaldi (FE). The training, carried out with a role playing activity based on flood emergency management, involved 12 classes (fourth and fifth) for a total of 155 students. Some STREAM gadgets were distributed to the students (bags, water bottles and sea towels).
PP4	2023-04-01	Remo Brindisi High School - Comacchio (FE) - Italy	47 Attendees - 26 students and 21 civil protection officers, volunteers	D445_Comacchio_II S Remo Brindisi	Before the coastal exercise on 1th of April, the activities of the STREAM project for hydraulic and coastal alerting and the coastal exercise that took place on the same day in the municipality of Comacchio were presented to the students and to volunteers and civil protection officers. Some STREAM gadgets were distributed to the civil protection officers (bags, water bottles and sea towels).
LP	2023-04-17	Park Vruljica (Kindergarten Radost - Vruljica) Zadar - Croatia	29 children + 7 teachers	D445_LP_April_2023	As part of environmental refurbishment, the Kindergarten Radost Zadar PO Vruljica has received rain gardens and a smart drainage system. The construction of rain gardens is part of the STREAM project, and these smart drainage systems are modern construction solutions that work on the principle of rainwater collectors that retain larger amounts of water, along with plants that possess significant absorption potential. This prevents floods caused by large amounts of rainfall in a short period of time (pluvial floods). For the occasion of the kindergarten

					<p>gardens refurbishment, a special program was prepared for children and project partners: the City of Zadar, Zadar County, and the ZADRA NOVA Development Agency on April 17th, 2023 in Zadar, Vruljica, Kindergarten Radost. The whole program was enriched by the children of the nearby Kindergarten Radost Zadar PO Vruljica, who planted their flags with ecological messages, sang songs, and provided participants with gifts in the form of flags with eco-friendly drawings and a drawing book for the director of ZADRA NOVA, Marina Dujmović Vuković. In addition to songs and recitations, the children also made sure that their kindergarten environment gets a real spring look, so at the end of the event, they planted various flowers on the flower beds with the motto "We planted a flower for a better world."</p>
LP	2023-05-05	Biograd na Moru, Savska ulica (above the Adriatic Highway) - Croatia	72 (20 participants, 52 scholars – teachers (2) and children (50))	D445_LP_May_2023	<p>As part of environmental refurbishment, Biograd na Moru has received a rain garden. On 05th May 2023, ZADRA NOVA held an info day and presentation of the rain garden in Biograd na Moru. For the occasion of the rain garden opening ceremony, a special program was prepared for children and project partners: the City of Biograd na Moru, Zadar County, and the ZADRA NOVA Development Agency.</p> <p>The whole program was enriched by the children of the nearby Elementary school Biograd na Moru. The children, alongside their teachers, participated in the event and learned about rain gardens and their important function in combatting floods. The children received gifts in the form of flowers from the School of Agriculture, Food and Veterinary Medicine Stanko Ozanić in Zadar, which they will plant in their school garden or at home with the motto "We planted a flower for a better world."</p> <p>Also, 6 articles were published online: 1.) https://www.zadra.hr/hr/novosti/3746-predstavljen-ki%C5%A1ni-vrt-u-</p>

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PP10	2023-03-30 2023-04-06/13/20/27 2023-05-04/11/18/25 2023-06-08	Site of University of Teramo	6 lecturers 224 students	D445_PP10	Ten educational seminars on climate changes and flood risk took place at University of Teramo from 30/03/2023 to 08/06/2023 (for more details see the report). 224 students were educated.
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PP5	2023-06-22	Great Hall of the Department of Earth and Geoenvironmental Sciences. Via Edoardo Orabona, 4, 70125 Bari BA - Bar University Campus	Seminar 1: 31 participants. Seminar 2: 30 participants. Seminar 3: 27 participants. University professors, professionals, architects, engineers, undergraduate geology students, PhDs in geology.	D445_PP5_ASSET_2023_June	<p>Description:</p> <p>On June 22, 2023, 3 seminars of the STREAM project were held at Great Hall of the Department of Earth and Geoenvironmental Sciences - Bar University Campus.</p> <p>The day of all seminars had the title: EUROPEAN TERRITORIAL COOPERATION FOR COASTAL PROTECTION.</p> <ul style="list-style-type: none"> The first seminar: TERRITORIAL AGENCIES FOR COASTAL PROTECTION was attended by Department Director Prof. G. Mastronuzzi; Eng. V. Intini of ASSET Puglia, ASSET partner Technical Assistance and attended by 31 participants. The second seminar: THE STREAM PROJECT AND TERRITORIAL COOPERATION was attended by Eng. F. Abbrescia Technical Assistance of ASSET Puglia Region and European Planner with the presence of 30 participants. The third seminar: EWS DEVICES (EARLY WARNING SYSTEM) was attended by Prof. G. Scicchitano and Prof. G. Mastronuzzi and attended by 27 participants. <p>During the first seminar, the contents of the speeches were as follows:</p> <p>Seminar 1 - TERRITORIAL AGENCIES FOR COASTAL PROTECTION</p> <p>Institutional greetings by Department Director Prof. G. Mastronuzzi: the Director stressed the importance of territorial cooperation. He then briefly recounted the experience of the STREAM project as support for the ASSET Puglia partner and the need to look at the profession as an opportunity for multidisciplinary collaboration.</p> <p>Engineer V. Intini of ASSET Regione Puglia talked about the reality of ASSET Regione Puglia and how the agency serves the territory by working on monitoring, safeguarding,</p>
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					<p>and land planning. An important part of the talk was devoted to current land conditions due to climate change. The unpredictability of environmental disasters and the reduced return periods of these events were emphasized. It was then continued with good practices and critical issues of the territory. At the end there was a long discussion in which participants were able to explore doubts and curiosity with respect to the possible collaboration between geologists and engineers for the safeguarding of the territory.</p> <p>Seminar 2 - THE STREAM PROJECT AND TERRITORIAL COOPERATION Engineer F. Abbrescia presented the STREAM project, talking about its objectives, strategy and implementation highlights. Immediately after, he presented a general overview regarding territorial cooperation promoted by the European Union. He described all types of funds accessible and planned for the 2021-2027 program. During the speech, the importance of cooperation for European territories and accession countries was emphasized. A focus was made on the multiple job opportunities for the different professions that are in the service of land protection. There was then a discussion with the participants about the possible geographical areas of interest on a global scale and the related existing funds for working with international cooperation. A discussion was then started with the participants to clarify the details of how European planning works.</p> <p>Seminar 3 - EWS DEVICES (EARLY WARNING SYSTEM) Professors Scicchitano and Mastronuzzi took the floor to narrate the pilot case of the STREAM project curated by the University of Bari in support of ASSET partner Regione</p>
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					<p>Puglia.</p> <p>They showed all the research, monitoring and tools used to map the coast. The mapping allowed the study of the instrumentation needed to monitor the coast, marine erosion, water movements and so also these features in a predictive way.</p> <p>Then, thanks to the cooperation of the STREAM project, together with the other partners, maps covering the entire Adriatic Sea were shown during this intervention. In this way, and thanks to the research and monitoring tools funded by the project, it was possible to do integrated research among several countries and monitor a large scale of territory.</p> <p>The talk concluded with an extensive discussion with the participants. The speeches were animated by questions related to the case study and intended future steps. It was concluded, together with the professors and ASSET representation, that the project results and the interest from institutions are good foundations to start with future projects.</p>
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PP11	2023-06-26	Development Center of Lika-Senj County, Pazariška 36, 53000 Gospić (Croatia)	Seminar 5 (D.4.4.5.) - 2 Lecturers; 13 participants • Education on the importance of flood protection for students (Students)	D445_PP11_LIRA	<p>One-day education was split into more seminars and dealt with the topic of floods and flood defense, saving people, animals, and property from floods, and provided insight into examples of good practice on the mentioned topic.</p> <p>The aim was to introduce the local community, volunteers, scholars, members of the civil service protection, local government members, and other stakeholders to the flood risk management plan and flood warning systems, that is, to learn how to react in the event of flood risk and to become familiar with sustainable urban drainage systems as examples of best practice for stormwater management.</p> <p>The practical part of the exercises was carried out using the equipment acquired from the project.</p>
PP2	2023-06-30	Fire Brigade of the Split-Dalmatia County headquarters, Hercegovačka 18, 21 000 Split (Croatia)	D 4.4.5. Scholar education in IT (200) and in HR (100) carried out – students in kindergarden, primary school and University students and teachers - 27 people educated	D445_PP2_RERAS D_2023-06-30	<p>As part of the activity 4.4. education of stakeholders, PI RERASD has procured external experts for drills and educations for urgent services, civil protection officers, local government and students. One-day education was held at the Fire Brigade of the Split-Dalmatia County headquarters on 30/06/2023 and it was split into more seminars and dealt with the topic of floods and flood defense, saving people, animals, and property from floods, and provided insight into examples of good practice on the mentioned topic.</p> <p>The aim was to introduce the local community, volunteers, scholars, members of the civil service protection, local government members, and other stakeholders to the flood risk management plan and flood warning systems, that is, to learn how to react in the event of flood risk.</p> <p>The practical part of the exercises was carried out using the equipment acquired from the project.</p>

PP13	2023-06-14	Elementary school Poreč, Ul. Karla Huguesa 7, 52440 Poreč-Parenzo, Croatia Elementary school Finida, Rovinjska 12, 52440 Poreč-Parenzo, Croatia	13 – Teachers from Poreč-Parenzo elementary schools 132 – Elementary school students	D.4.4.5._PP13_Town of Poreč-Parenzo	PP13 The town of Poreč-Parenzo actively participated in the fulfillment of Activity 4.4. Education of stakeholders. PP13 organized a workshop within this activity that took place in Poreč-Parenzo 14.6.2023. during which 13 Teachers from Poreč-Parenzo elementary schools and 132 Elementary school students were educated (D.4.4.5.)
LP	2023-06-21	Public Fire Brigade Zadar, Put Murvice 24, Zadar, Croatia	D 4.4.5. Scholar education in IT (200) and in HR (100) carried out – students in kindergarden, primary school and University students and teachers - 30 students educated	D.4.4.5._LP_Zadar_2023_21June	As part of the STREAM project, on 21st June, 2023, scholar educations were held in the civil protection and flood protection sectors.