

ISTITUTO ISTRUZIONE SUPERIORE “Giancarlo VALLAURI” – CV

Per la candidatura alla “youth4climate.

IIS “Giancarlo Vallauri” is a secondary school located in Fossano, in a central position of Cuneo Province (www.vallauri.edu). Our school is one of the biggest in the area with almost 2,000 students, 200 teachers and 50 administrative staff.

One of the aims of the school is to work in the contest of the lifelong learning approach supporting students in building citizenship skills and giving them the opportunity to easily find a job after graduation such as having the chance to study at University.

For this reason Vallauri works to consolidate in each student a strong and innovative cultural and professional preparation, making them capable to face up to different challenges thanks to their critical thinking and their ability to cooperate, to be flexible and willing to change.

IIS Vallauri offers a wide range of courses:

- technological area: Electronics, ICT, Mechanics-Mechatronics and Energy
- economical area: Administration-Finance and Marketing, Tourism
- Liceo: Scientific Liceo for Applied Science.

Vallauri has worked and is currently working in the area of sustainability in several ways.

Starting from 2018, our project "e-mobility Fossano" (www.emobilityfossano.it), in partnership with the municipality of Fossano, has proposed the adoption of a more sustainable development model, with the aim of increasing the awareness of the fight against waste and environmental pollution and supporting the sustainable mobility with the use of renewable energy sources. It also encourages circular economy choices where different subjects dialogue and interact in an effective and organized way.

From the 2019-2020 school year, the project is considered strategic by the school management.

Several activities are going to be carried out during the 2020-21 school year (fourth edition of the project):

- II edition of the competition for all schools, of all levels, "Let's support our environment", also open to foreign schools;
- training courses and conferences for students, teachers and professionals with credits released to members of the adhering Orders, streamed on the "emobility fossano" YouTube channel;
- test drive of low consumption vehicles in Fossano.

The project “eMobility Fossano” has an educational and training purpose increasing sensitivity to environment and sustainable development according to the UN's "2030 Agenda". It is developed between teachers and students with the aim of promoting and disseminating the issue of mobility as a fundamental pillar, though not exclusive, of a low-impact social development.

See Annex A for the program "roadtoemobility2021" and annex B for the list of speakers and topics of the e-mobility Fossano 2018-2021 edition.

In addition to the emobility project and as a proof of Vallauri believing in the theme of Sustainability and the related international dimension, in September 2019 it has been created a new job position dedicated to the themes of Europe, Sustainability and Citizenship. This role is covered by a teacher who is a delegate for the principal in following projects related to those topics and who has to lead a team of teachers belonging to various areas of the school, with different knowledge and backgrounds. The general aim is to build learning paths aimed at the internationalization of the school and at raising awareness of issues related to sustainability and citizenship. The team worked on concluding the Erasmus project in progress and building new ones as well as participating in the first call for the accreditation to the new Erasmus plus 2021-27 programm. Our call for proposals for the Erasmus plus 2021-27 programm, has the sustainability of school and at school as central theme, such as the aim to make European projects an essential part of Vallauri's modus operandi. Having an international point of view is crucial for working on sustainability themes and it is equally important to build collaborative networks among teachers with different skills and roles and among different institutions. As an example of training activity addressed to families and students the team "Europe, Sustainability and Citizenship", organized the conference of prof. Della Puppa from University of Venice on the theme of circular economy in December 2019 for more than 1000 students. Moreover in December 2020 the emobility team in collaboration with the "Europe, Sustainability and Citizenship" delegate of the school, organized a conference entitled "Global warming and circular economy" with the participation of Ing. M. Baudino (circular economy expert) and Ing. L. Del Bo (IPCC climate leader).

In addition, IIS Vallauri has a membership in ANIT (Associazione Nazionale Isolamento Termoacustico) since 2016, for building energy saving (www.anit.it), and Motus-E since 2019 (www.motus-e.org).

Moreover, thinking about the 2030 Agenda and its topics, Vallauri in November 2019 promoted a conference held by Prof. Chittolina about this theme and it's currently involved with some classes in a eTwinning project entitled "Agenda 2030: be aware to be active" in collaboration with some French and Italian schools. (<https://twinspace.etwinning.net/126542/home>)

IIS Vallauri Institute is also the promoter and leader of the "Network of schools for sustainable mobility in teaching", founded on 21 October 2020. At the moment, there are 16 schools involved (technical and vocational high schools) located in Piedmont (13 schools), Liguria (1), Puglia (1) and Sicily (1). The goal is to reach at least one school in the network in each region of Italy by the end of 2021.

On January 28, 2021, the network of schools for sustainable mobility in teaching will participate in the foundation works of the INTERNATIONAL ACADEMY DRIVING CHANGE TOGETHER, an international platform for the exchange of ideas, initiatives, lessons learned in the field of electromobility education, promoted by the Polish chamber of electromobility PIRE (www.pire.pl).

All the initiatives presented before, have a strong educational impact since they are organized with the collaboration of groups of students, teachers and are broadcasted on the "emobility fossano" YouTube channel.

Teaching activity has been oriented, especially in the Electricity and Energy field of studies, to apply environmental sustainability; the syllabus has been enhanced by including topics such as life cycle assessment, circular economy, energy saving techniques, renewable energy sources, sustainable mobility and systems for sustainability.

Syllabus of each subject are freely available on the Vallauri website.



annex A

#ROADTOEMOBILITY 2021

MESE	EVENTI in programma
Ottobre 2020	Riparte il concorso “Sosteniamo il nostro ambiente!” 2 ^a edizione. 21 ottobre 2020: FIRMA DEL PROTOCOLLO DI RETE TRA SCUOLE per la mobilità sostenibile
Novembre 2020	Azioni di promozione della RETE TRA SCUOLE per la mobilità sostenibile <ul style="list-style-type: none">● 11: e-mob – conferenza nazionale della mobilità elettrica – MILANO● 25: Genova Smart Week – GENOVA● 26: Job&Orienta - VERONA
Dicembre 2020	2 dicembre 2020: conferenza “Riscaldamento globale ed economia circolare” , ingg. Luca Del Bo (climate leader IPCC) e Marco Baudino (AD Future Power) in streaming sul canale Youtube “emobility fossano”
Gennaio 2021	31 gennaio 2021 : scadenza iscrizione del concorso “Sosteniamo il nostro ambiente!”
Febbraio 2021	24 febbraio 2021: Convegno “L'INFRASTRUTTURA DI RICARICA (IdR): LO STATO ATTUALE E LA RICERCA” : INAUGURAZIONE del nuovo laboratorio “mobilità elettrica”
Marzo 2021	31 marzo 2021: consegna dei lavori delle scuole per il concorso “Sosteniamo il nostro ambiente!”
Aprile 2021	10 aprile 2021: partecipazione al grand prix di Formula E a Roma 23-24-25 aprile 2021: partecipazione a “e-mobility Alessandria” Esposizione dei lavori del concorso “Sosteniamo il nostro ambiente!” – con

	votazione del pubblico; sul sito www.emobilityfossano.it ; tutto il mese
Maggio 2021	<p>Sabato 15 mattino: premiazione degli studenti delle scuole partecipanti alla 2^a edizione del concorso “Sosteniamo il nostro ambiente!” – festa delle scuole</p> <p>Sabato 15 pomeriggio/sera: presentazione del TEAM VALLAURI per il 2° “Alpine Pearls e-tour”</p> <p>Domenica 16: “E-Mobility Fossano 2021” esposizione e test drive di veicoli elettrici nel centro storico di Fossano</p> <p>Programma:</p> <p>ESPOSIZIONE dei LAVORI degli ISTITUTI SCOLASTICI</p> <p>Raduno proprietari di vetture elettriche EXPO & INTERACTIVE ZONE (piazza Castello, via Cavour, via Garibaldi, piazza 27 marzo 1861) TEST DRIVE AUTO ELETTRICHE TEST DRIVE e-BIKE TEST DRIVE e-SCOOTER TEST DRIVE e-MOTO TEST DRIVE veicoli per la mobilità urbana leggera (segway, monopattini, ...) VEICOLI ELETTRICI da ESPOSIZIONE</p> <p>AREA esposizione COLONNINE di RICARICA AUTO AREA per la ricarica dei veicoli</p>

Info e news:

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e-mobility fossano
e-mobility family



Emobilityfossano

E-MOBILITY FOSSANO – RELATORI e TEMATICHE

Edizioni 2018-2021

anno	relatore	attività	azienda	tematica	titolo dell'intervento
2018	Sottocorona Paolo	meteorologo	La7	riscaldamento globale	Le attuali condizioni climatiche interrogano fortemente il nostro stile di vita
	Dalla Chiara Bruno	docente universitario	Polito	trasporti	Scenari energetici nei sistemi di trasporto terrestri
	Tenconi Albrto	docente universitario	Polito	tecnologie elettriche per autotrazione	L'elettrico è arrivato?
2019	Della Puppa Federico	docente universitario	Smart Land	Smart city	Dalla smart city alla smart land
	Lanzetti Renato	professionista	-	economia locale	Elettricità e altre energie per lo sviluppo della provincia di Cuneo
	Scarzello Aldo Maria	direttore tecnico	Gemini Project	risparmio energetico	Come preparare l'arrivo in casa dell'auto elettrica
	Patetta Pierangelo	responsabile area nord ovest	e-distribuzione	distribuzione elettrica	La rete elettrica di distribuzione al servizio della mobilità sostenibile e delle FER
	Bianco Isabella	ricercatore universitario	Polito	LCA	Batterie per veicoli elettrici BEV e PHEV: quali sfide devono affrontare per migliorare la loro sostenibilità? Valutazioni di impatto ambientale sul ciclo di vita (LCA) delle batterie e possibili scenari futuri
2020	Beghello Francesco	project manager	Hitachi rail	reti ferroviarie	Scenari, orizzonti della mobilità elettrica nel mondo
	Invernizzi Daniele	professionista	eV-Now	retrofit elettrico	Il retrofit di mezzi privati e pubblici: sviluppo già finito o possibilità ancora inespressa?
	Vitali Federico	dirigente	FAAM SpA	retrofit elettrico	Quali scenari per il trasporto pubblico locale: caso studio di retrofit di veicoli di trasporto urbano
	Bodoardo Silvia	docente universitario	Polito	batterie e materiali	Batterie per autoveicoli elettrici: stato dell'arte (dalle materie prime alla seconda vita) e prospettive future; e l'Europa cosa fa? (European Battery Alliance – Battery 2030+)

	Novarese Carlo	direttore tecnico	Lithops Srl	batterie e processo	Fabbricazione di batterie per il settore trasporti: ricerca e sviluppo, analisi di un processo manifatturiero in uno stabilimento industriale italiano
	Sordelli Stefano	future mobility manager	Volkswagen Italia	strategia	Mobilità sostenibile: strategia di sviluppo del gruppo VW
	Baudino Marco	fondatore	Future Power Srl	economia circolare	Economia circolare in campo agro-alimentare
	Del Bo Luca	Presidente	Tesla Owners Italia	riscaldamento globale	Riscaldamento globale e fake news
2021	Cavicchioli Cristina	ricercatore	RSE	IdR e V2G	Il Vehicle to Grid (V2G); situazione della ricerca in Italia
	...	direttore tecnico	SCAME PARRE SpA	Idr CA/AC	La tecnologia dell'Infrastruttura di Ricarica in corrente alternata (CA/AC)
	Fontana Riccardo	direttore tecnico	Bitron SpA	Idr CC/DC	La tecnologia dell'Infrastruttura di Ricarica in corrente continua (CC/DC)
	Scagliola Alberto	responsabile area Nord-Ovest	ENEL X	IdR strategia	Piani di sviluppo delle IdR in provincia di Cuneo, in Piemonte e in Italia