

EU GREEN DEAL

PARTNER EVENT #EUGHEENWEEK 30 MAY – 5 JUNE 2022 IMPROVING AIR QUALITY TOGETHER LIFE IP PrepAIR:

Education to improve air quality policies in the Po basin

PrepAIRed" – a target-oriented school pathway for education on air-quality

31st May 2022 Fondazione Lombardia per l'Ambiente Domenico Vito, Mita Lapi, Antonio Ballarin Denti, Stefania Fontana















What's PrepAlRed

The idea is to propose educational paths able to engage students in the **knowledge** of the different dimensions of the problem, in order to find active solutions and **promote awareness** at the school level on the problem of air quality

Target: primary school, secondary school, high school

SCOPE: <u>Emilia Romagna</u>, Piemonte, Lombardia, Veneto, Provincia Autonoma di Trento, Regione Autonoma Friuli Venezia Giulia, Regione Autonoma Valle d'Aosta

Phase I, testing : 31/10/2019

Phase II, implementation: September 2022







Specific Goals

Promote self awareness and personal interest on the main

issue of air quality impacts, monitoring and control in the youth population

- Promote problem solving approach on environmental problems
- Enhance cooperation skills in students to addresscommon air pollution problems
- Promote the vision of air as "common good"
- Promote an active partnership with school as an local actor for the resolution of the wider problem of airquality







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UDA - Unità didattiche apprendimento



Each learning unit will be formed by

Lesson 1: a flipped classroom lesson
Lesson 2: an interactive lesson
comprehensive of a non formal meeting with
experts
Lesson 3: a final interactive lesson in a
cooperative learning mode

Involvement of different school level (primary, secondary I, secondary II) 3 modules for each class (AIR QUALITY + 2 chosen)







Lesson Metodologies

Formal - Non formal education

Frontal: is intented as a classical lesson where professor teachs with low degree of interaction

Flipped Classroom: lesson performed though a flipped classroom technique[3], some basic assignments/materials are given to the students before the lesson that are discussed at the moment of the lesson

ESL (Episodes of Situated Learning): lesson perform Episode of Situated Learning as in Rivoltella framework

Non formal/meeting with professionals:lesson performed with non formal methods that could provide an external journey or a visit to on-field professionals.

Cooperative learning: during the lesson students are engaged in a common task and they are lead to develop problem solving, cooperational and organizative skills ype of lessons/techniques: indicate the type of the specific lesson





Engage: This phase of the 5 E's starts the process. An "engage" activity should do the following: 1.Make connections between past and present learning experiences

ner l'Ambiente

2.Anticipate activities and focus students' thinking on the learning outcomes of current activities. Students should become mentally engaged in the concept, process, or skill to be learned. **Explore:** This phase of the 5 E's provides students with a common base of experiences. They **identify and develop concepts, processes, and skills**. During this phase, students actively explore their environment or manipulate materials.

Explain: This phase of the 5 E's helps students explain the concepts they have been exploring. They have opportunities to **verbalize** their conceptual understanding or to demonstrate new skills or behaviors. This phase also provides opportunities for teachers to introduce formal terms, definitions, and explanations for concepts, processes, skills, or behaviors.

Elaborate: This phase of the 5 E's extends students' conceptual understanding and allows them to **practice skills and behaviors**. Through new experiences, the learners develop deeper and broader understanding of major concepts, obtain more information about areas of interest, and refine their skills.

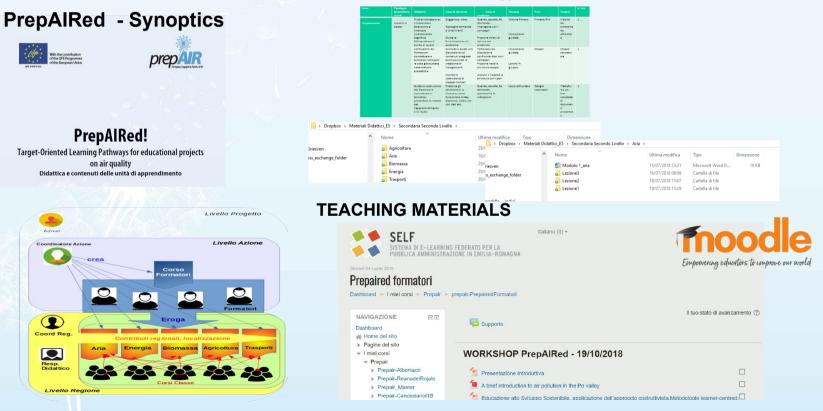
Evaluate: This phase of the 5 E's encourages learners to assess their understanding and abilities and lets teachers evaluate students' understanding of key concepts and skill development



PrepAIRed! ToolKIT



Guidelines and methodology for Formal Non-formal methods



E-learning



2018/2019 - Testing Phase



TOT: 15 school involved on the Po' Basin 1 class X Educational Level X Region





2020-2024 Implementation



PREPAIR METTE A DISPOSIZIONE DELLE SCUOLE TUTTI I MATERIALI DEL PROPRIO PERCORSO DIDATTICO SULLA QUALITÀ DELL'ARIA

PREPAIRED! - PERCORSI DIDATTICI do Drep All ALCUNI CONSIGLI UTILI PER LA DIDATTICA IN QUESTO acklo PERIODO DI QUARANTENA Gentili insegnanti, In questo difficile periodo siamo consapevoli di quanto il lavoro didattico sia messo alla prova. Il percorso didattico PrepAiredi, come sapete, ha individuato l'e-learning come una delle risorse più caratterizzanti la proposta educativa. Si ritiene che alcuni degli strumenti attivati per Prepaired! possano facilitare le funzioni e-learnina scolastica. Di seguito trovate alcuni suggerimenti da utilizzare per procedere ed ultimare le in generale per la didattica a Sito creato dalla 5°B informatica La scuola è stata una delle prime attiv **CAMBIA CLIMA** scolastiche però non si sono fermate, In collaborazione con: questa inattesa situazione, il progetto ARPA Iombardia PrepAIR IIS Falcone-Righi PrepAlRed! per metterli a disposizione Cdu.it compito a casa mentre il tempo in laboratori. In questo contesto, il PrepAlRed! è l'azione all'interno di P iuttosto una sorta di facilitatore, il Home Approfondimenti Scientifici - Calcolo CO2 Glossario Friburgo Eventi/News Crowdfunding PrepAIR Chi siamo? rivolti alla sensibilizzazione e al raffo ito di Prepaired! sono stati World **Ultime Notizie** Nonostante le difficoltà create dall'epidemia di Covid-19, sono ben 117 le classi che hanno partecipato a Prepaired! nell'a Environment 2019/2020 Giornata ambiente Enviro ONU il 5 giugno la giornata Prepaired! è l'azione del progetto LIFE Prepair finalizzata a formare e sensibilizzare i ragazzi delle scuole del bacino pada Day della natura Ultimo aggiornamento: 2020-06-05 Geoingegneria

Siamo una classe di quinta superiore informatica dell'istituto IIS Falcone-Righi Abbiamo creato guesto sito con il progetto di parlare dei Cambiamenti Climatici con l'obbiettivo di far capire a tutti cosa siano, da cosa sono causati, perchè sono così importanti e che cosa possiamo fare per contrastarli nbiaclima5bi.altervista.org/articoli/196.php

La geoingegneria può

abbassare le temperature

Ultimo aggiornamento: 2020-06-05

qualità dell'aria. Prepaired! ha elaborato dei percorsi didattici sulla qualità dell'aria per scuole primarie, secondarie di pri grado.

LO SCORSO ANNO 117 CLASSI HAN



Side Activities





https://cutt.ly/VvDCDIb



www.lifeprepair.eu



Qui per registrarsi: https://bit.ly/2QsDxj1



Evaluation procedure 3 levels Multiactor evaluation



Level 1: Project

The action will be evaluated with respect to the achievement of the project objectives and its effectiveness, efficiency and sustainability

Tool: indicator

Level 2: Teachers

The action will be evaluated by educators with respect to content and methodology

Tool: questionnaire to educators, feedback received

Level 3: Students

The action will be evaluated on the effect obtained on the students

Tool: virtual quiz evaluation game during the last focus group

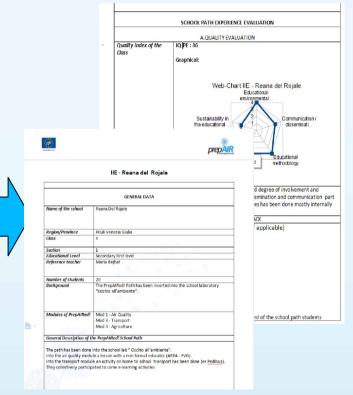


Evaluation procedure



Evaluation Steps

- 1. Complete the **"Identity Card"** of the class, attaching if possible a representative photo of the class
- HARD CONTRACTOR OF CONTRACTOR
- 2. Fill in the Final assessment indicators form
- 3. Provide **feedback from the students**, through a discussion based on the classroom based on satisfaction, ask them to cast a grade from 1 to 5 or put themselves in a more or less tight circle based on the positive or negative assessment)
- 4. Answer the **final evaluation questionnaire** dedicated to you on the course.



D2: Evaluation Report







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Comune di Bolo