



Join 2022-2023

**Climate Detectives
and make a difference**

Join 2022-2023 Climate Detectives and make a difference

Esplora and the European Space Agency (ESA) are excited to announce that the **Climate Detectives** school project is back for another year! Join this new edition and make a difference in protecting our planet's environment.

In the Climate Detectives school project, teams of students are challenged to investigate a **local climate problem**, and this year the project is open to **students aged 8 to 19 years**. Students can investigate different **aspects of climate change** and its impact on our environment including local flora and fauna, water bodies, air pollution, and even floods and droughts.

Registrations open: **16th September 2022**

Deadline for project entry submission: **24th November 2022**

Timeline

In this project students will embrace the role of Climate Detectives while learning about Earth's environment. The project features three phases and takes place between September 2022 and May 2023.

In the project, student will identify a local climate problem (**Phase 1**), investigate it by using real satellite images or their own ground measurements (**Phase 2**), and finally propose actions to help reduce or monitor the problem. At the end students will share their results with the ESA Climate Detectives community on the project platform (**Phase 3**). This way everyone can learn from each other, and students can also raise awareness on the problem they have investigated not only in their local communities but at a European level.

Teams have to register and submit an investigation plan in phase 1 in order to join the project. See the full timeline [here](#).

Guidelines

For more detailed information about the project requirements and constraints, please download the [Climate Detectives Guidelines](#) for 2022-2023. The guidelines include information on who can participate in the challenge.

Please note that:

- Participation is open to teams from age 8 up to (and including) 19 years.
- Teams must be comprised of a minimum of two students up to the whole class.
- Each team must be supervised by a teacher or educator acting as the team's point of contact with ESA's Education Office and, where applicable, with the respective National Coordinator.
- The project must be submitted by the teacher or educator.
- One teacher can sign up a maximum of three student teams.
- At least 50% of the team members must have the nationality of an ESA Member State. Further to the 22 Member States, and based on their agreements with ESA, Canada, Latvia, Lithuania, Malta, Slovakia and Slovenia, also qualify to fully participate in the programmes of the ESA Education Office. In the framework of the current collaboration agreement between ESA and the Republic of Malta, teams from Malta can also participate in the Climate Detectives project.

Apply now!

In Phase 1, educators have to register online and submit their investigation plan by **24th November 2022**.

Educators are encouraged to read the [Climate Detectives Teachers Guide](#) prior to submitting an investigation plan.

For the 2022-2023 edition, teams from Malta and/or Gozo have to apply for the project through the ESA Education office and the entries must be submitted in English. **Submit** your investigation plan through ESA's Climate Detectives website after signing up for an account.

Educators interested in acquiring more information on this challenge can reach out to Esplora Interactive Science Centre on programmes@esplora.org.mt

Looking for inspiration?

For more information on the project phases and how to identify the research question, please download ESA's Climate Detectives [teacher guide](#). The teacher guide also includes [additional activities](#) which can be carried out in the classroom for students to explore the topic of climate change.

We encourage you to also take a look at ESA's [Climate Detectives project gallery](#) for some inspiration and to check out the [new multimedia section](#) with educational videos and links dedicated to Earth Observation and Climate. Environmental challenges like droughts, wildfires, melting glaciers, deforestation, or adaptation of agriculture are some topics chosen in the past. This year, mini case studies for chosen topics will also be published to support teachers and give ideas for topics, research questions and suggestions of data that teams can analyse. The case studies will be published over the next months, so stay tuned.

For more information, please do not hesitate to reach out to Esplora Interactive Science Centre on programmes@esplora.org.mt

