



## Arctic Competition rules

### ***General information***

EDU-ARCTIC invites students and their teachers from secondary schools across Europe to join the Arctic Competition and develop a research project or an innovation project designed for an arctic environment.

The Arctic Competition is for teams of one student, age 13 to 20, and one teacher as a mentor. Participating teams can come from secondary schools across Europe. Each team develops project in one of these categories:

**Category 1 – Innovation project;**

**Category 2 – Research project.**

Young students who are fascinated by disciplines such as science, technology, engineering and mathematics though not yet scientists will have the opportunity to take part in a scientific expedition in the Arctic as a main prize in the Competition. Each student will be accompanied by his/her teacher during the expedition.

### **Edition 2017**

The Competition starts in January 2017. Applications will be submitted online on the portal. They may be uploaded from 10<sup>th</sup> of January 2017 to 1<sup>st</sup> of March 2017 (by midnight), whereas the full proposals must be submitted till 20<sup>th</sup> of March 2017 (by midnight)

In 2017 edition, 6 teams can win a polar expedition to one of the arctic stations: 3 of them to Faroe Island and another 3 to Iceland. At these locations the participants will join a 10 – 14 day long arctic expedition and take part in field work conducted in the area.

### **Edition 2018**

Details about date and rules are not finalized yet. 6 winners team will be participated in polar expedition: 3 of them to Northern Norway and another 3 to Svalbard. At these locations the participants will join a 10 – 14 day long arctic expedition and take part in field work conducted in the area.

***Who can join the competition?***

1. Teams from secondary schools across Europe.
2. A team consists of one student and one mentor, who is a teacher at the school.
3. The teacher does not necessarily have to be the student's teacher at the moment. However, he/she must be employed at the same school.
4. The teacher and the student join the arctic expedition together and the teacher is responsible for the students wellbeing on the expedition.
5. The student must be between 13 and 20 years' old
6. Before submission teacher must get the written, signed consent of the student, whose work he/she submits for the competition within the EDU-ARCTIC project. In case of minor the written, signed consent of student's legal guardians must be obtained by the teacher.

***Project***

1. The student makes a proposal for a project with the support from his/her mentor
2. The subject of the project can be one of these two categories:
  - a. Category 1 - Innovation project – a proposal for an innovative solution to a specific problem in the Arctic. You could design or develop a prototype of an invention that could be useful in the Arctic (see submission guide).
  - b. Category 2 – Research project - a proposal describing a plan for a research project to be carried out in the Arctic. You should find a research question and design ways to test or answer the question (see submission guide). Student's project may be conducted on the arctic station during the summer expedition. Research plan should take into account laboratory equipment available at polar station and specificity of research conducted there, as well as local conditions. You may find more about the stations during online lessons provided by EDU-ARCTIC program.

Categories for edition 2018 of Arctic Competition may be changed according to the evaluation of the edition 2017.

***Evaluation criteria***

The projects will be evaluated on following criteria:

1. Originality of the concept
2. Clear description of idea
  - a. describe a problem and documenting the proposal of a solution (category 1)
  - b. describe a question, formulate a hypothesis and ways to test the hypothesis (category 2)
3. Feasibility of the project



***The process of evaluating the projects in 2017 edition***

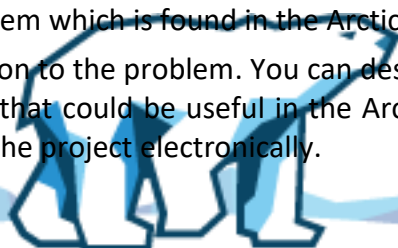
- Stage 1: Project summary must be submitted before deadline 1. March 2017 at 12 o'clock midnight. Make a GOOD summary of your proposal.
- Stage 2: Full project must be submitted before 20. March 2017 at 12 o'clock midnight. Based on the summaries the jury will select up to 50 projects for stage 3.
- Stage 3: Up to 50 selected projects will be evaluated by the jury from the Consortium. They will choose 12 projects for stage 4 for a detailed online interview.
- Stage 4: Online interview with 12 participants who will have a chance to present their projects in detail. 6 winning teams will be found who will have the opportunity to visit the arctic stations and participate in scientific work.

***Important about copyrights:***

- 1) Summary of all projects submitted to EDU-ARCTIC may be published on the website. This means that the project summary will be publicly available and everyone will have access to read it. Be careful not to use sensitive information and images that you do not want to be public.
- 2) We will be careful not to describe any part of the report in a negative way.
- 3) The mentor of the project is responsible to ensure that all rights to content in the project are respected and necessary permissions are in place, in order so the project summary can be published on the website.

**Submission guide for the Arctic competition of EDU-ARCTIC – edition 2017**

1. All the project materials must be submitted electronically by the teacher.
2. All project materials must be prepared in English. English is an official language of the Competition.
3. Information to include:
  - a. Student's name
  - b. Student's age
  - c. Project title
  - d. Category: 1. Innovation project or 2. Research project
  - e. Type of project: essay, poster or video
4. **Category of project.** You can choose one of two categories of projects:
  - a. Innovation project.
    - Describe a problem which is found in the Arctic
    - Propose a solution to the problem. You can design or develop a prototype of an invention that could be useful in the Arctic. Keep in mind that you have to submit the project electronically.



- Examples: Problems associated with living in an Arctic station, problems with field research, interactions with animals and so on.
- b. **Research project**
- Describe a question relevant for the Arctic environment. Something that you are curious about.
  - Formulate a hypothesis.
  - Propose a way to test your hypothesis.
  - Examples: the subjects could for instance be in the field of hydrology, biology, glaciology, soil science, meteorology and climate change.
5. **Type of project.** You can choose to submit the project as an essay, poster or a video.
- a. **Essay** must be max 7500 characters.  
You can also include illustrations and pictures.
- b. **Video** has to be less than 5 minutes long. The video can be an animation.
- c. **Poster**, design an original artwork poster.
6. **Summary.**  
Write a clear summary of your project using maximum 1500 characters. The jury will begin the selection of best projects by selecting 50 projects where the selection is based on the summaries.



This project (EDU-ARCTIC) has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 710240.  
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