



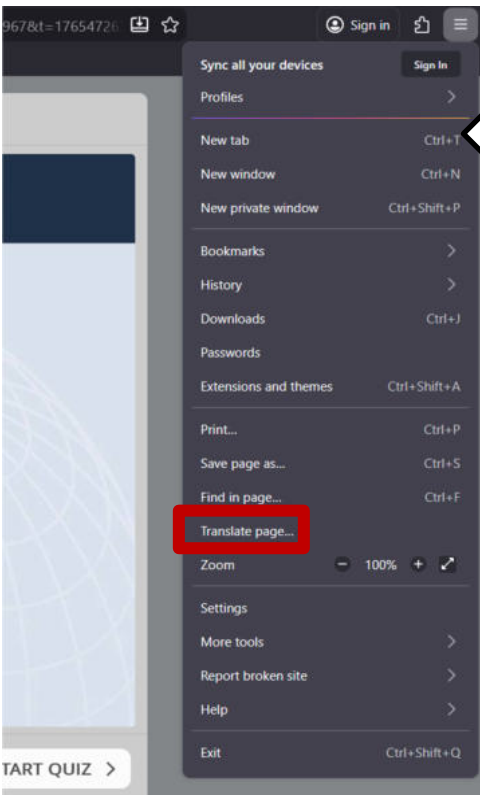
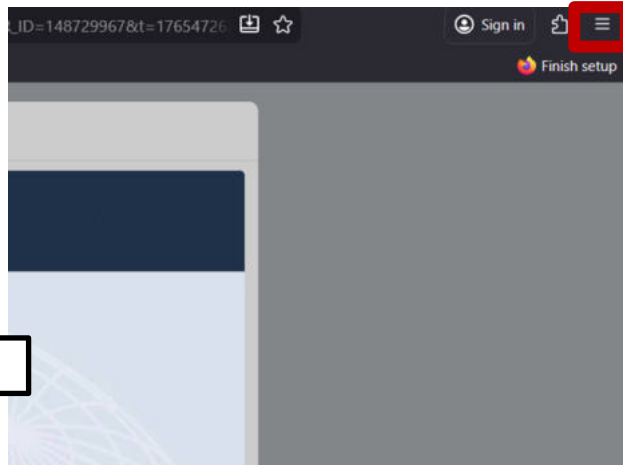
Kaip gauti sertifikatą GLOBE svetainėje



Co-funded by
the European Union



Kaip pasikeisti kalbą?



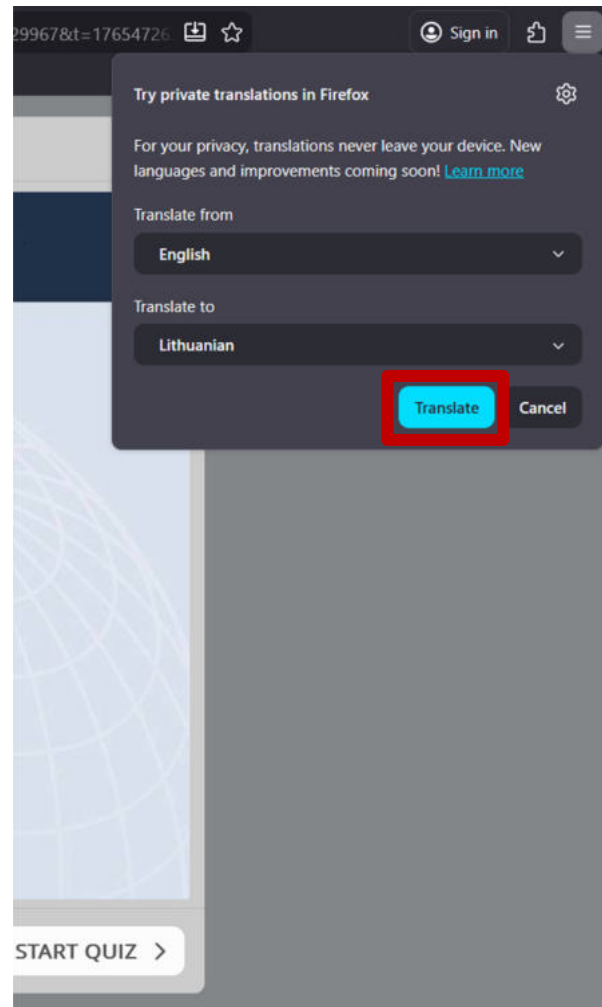
Dešiniajame kampe rasite tris sluoksniukus. Paspaukę juos, atsidarys meniu, o apačioje pamatysite „Translate page...“. Paspauskite šį mygtuką.



Kaip pasikeisti kalbą?

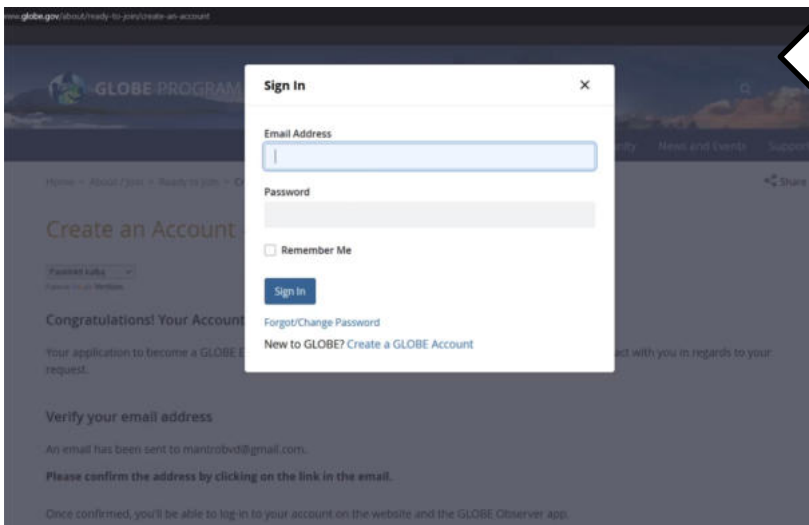
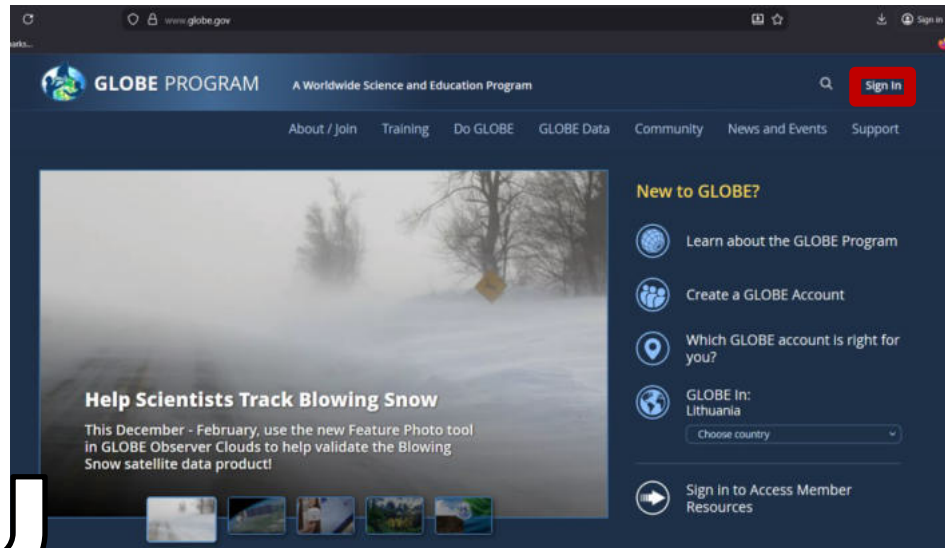
Kai nustatysite vertimą iš anglų į lietuvių, spauskite „Translate“.

****PS. Vertimas iš anglų į lietuvių ne visi žodžiai bus išversti tiksliai, todėl gali pasitaikyti netikslumų.**





1 Etapas

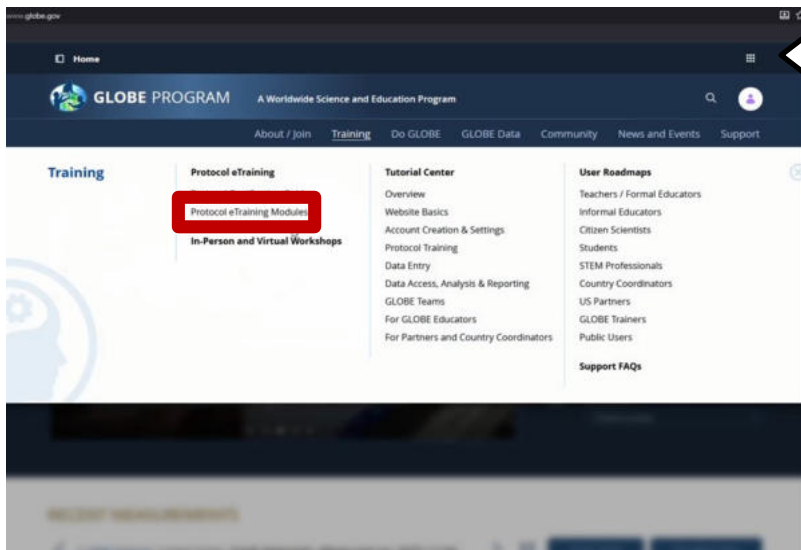
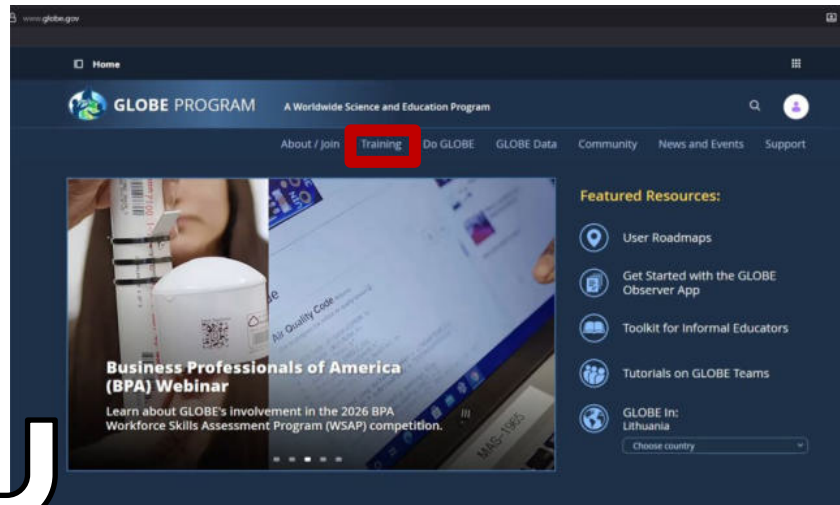


Atidarę „GLOBE“ svetainę, pirmiausia prisijunkite.



2 Etapas

Nuveskite pelytę prie „Training“ ir paspauskite ant jo.

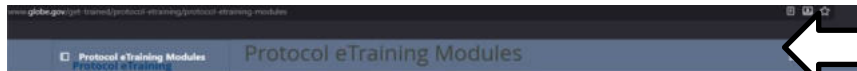


Tada paspauskite „Protocol eTraining Module“.



3 Etapas

Norint gauti „GLOBE“ sertifikatą, reikia išlaikyti 3 testus: „Introduction to GLOBE“, bent vieną modulį apie Žemės sferas, ir vieną modulį apie protokolus.



Protocol eTraining Modules

Protocol eTraining Modules

- Atmosphere
- Biosphere
- Hydrosphere
- Pedosphere (Soil)
- eTraining Requirements

In order to enter measurements for all GLOBE Protocols, GLOBE members must become protocol certified (trained) by either completing eTraining, or attending an in-person or virtual GLOBE workshop.

GLOBE members can use the eTraining protocol certification guide to track and complete their eTraining and become protocol certified.

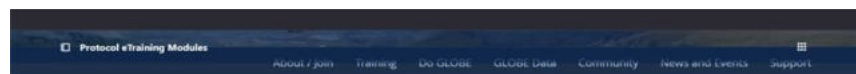
Existing GLOBE members who are already trained can continue to expand their GLOBE protocol knowledge by completing additional modules and assessment tests. All of GLOBE's modules and assessments are available, organized by sphere.

Please contact us if you have any questions.

Introduction to GLOBE

In this module you will be introduced to the GLOBE Program and the investigation areas that can be studied across the Earth Spheres in developing your understanding of Earth System Science.

[Download Module](#) [Assessment Test](#) **Test not completed**



Home > Training > Protocol eTraining > Protocol eTraining Modules

Protocol eTraining Modules

- Atmosphere
- Biosphere
- Hydrosphere
- Pedosphere (Soil)
- eTraining Requirements

Protocol eTraining Modules

In order to enter measurements for all GLOBE Protocols, GLOBE members must become protocol certified (trained) by either completing eTraining, or attending an in-person or virtual GLOBE workshop.

GLOBE members can use the eTraining protocol certification guide to track and complete their eTraining and become protocol certified.

Existing GLOBE members who are already trained can continue to expand their GLOBE protocol knowledge by completing additional modules and assessment tests. All of GLOBE's modules and assessments are available, organized by sphere.

Please contact us if you have any questions.

Introduction to GLOBE

In this module you will be introduced to the GLOBE Program and the investigation areas that can be studied across the Earth Spheres in developing your understanding of Earth System Science.

[Download Module](#) [Assessment Test](#) **Test not completed**

Atmosphere Modules

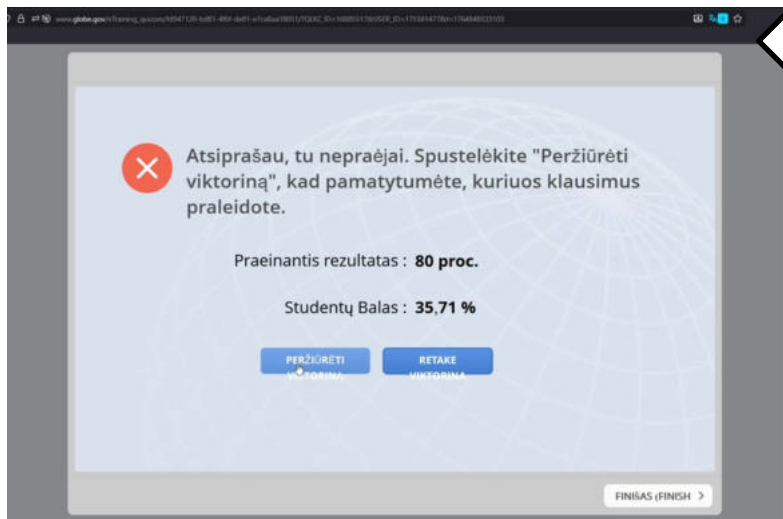
Atmospheric conditions can have an important impact on the types of plants and animals that live in a particular area as well as soil formation. The atmospheric measurements

Pirmiausia parsisiųskite modulį ir perskaitykite visą jame pateiktą medžiagą. Vėliau eikite prie testo. Testas nėra ilgas jame tik 13 klausimų, ir jį galima kartoti tiek kartų, kiek norite.



4 Etapas

Norėdami pradėti testą, paspauskite „Start Quiz“.

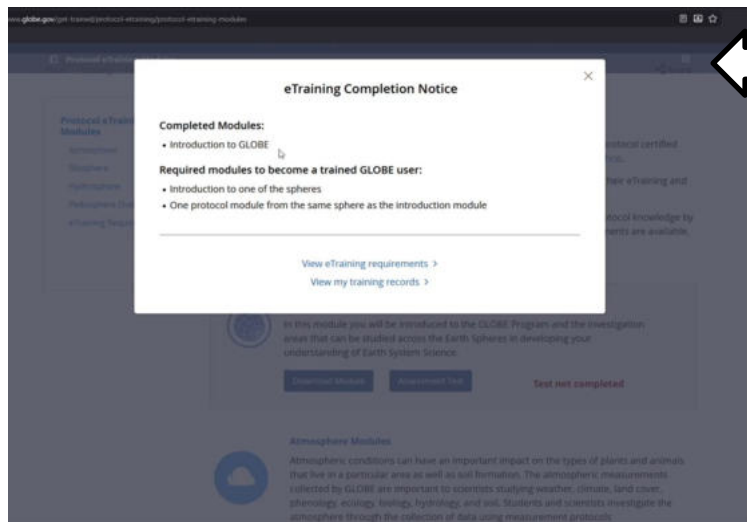
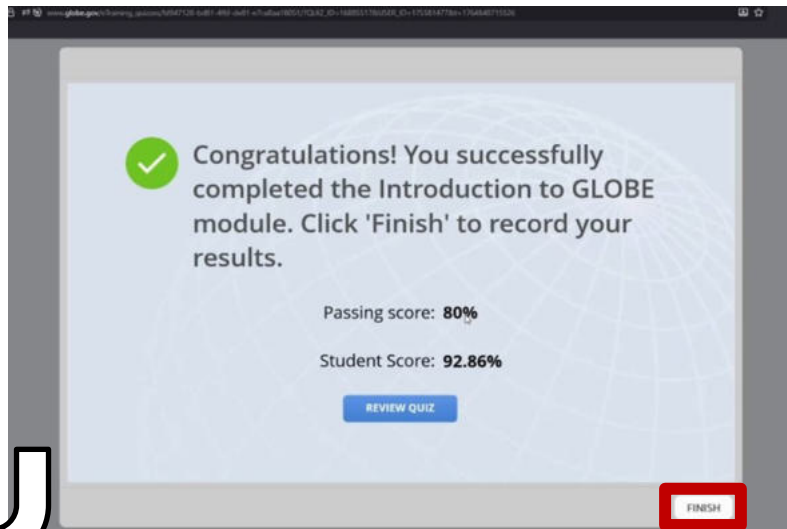


Jeigu testą pabaigėte ir neišlaikėte, galite pasižiūrėti klaidas ir bandyti dar kartą. Klausimai nesikeičia, tad sunkumų tikrai nebus.



5 Etapas

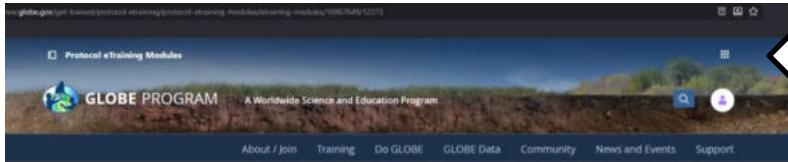
Išlaikę testuką, spauskit „Finish“.



Tada pasirodys lentelė, kurioje matysite, ką jau išlaikėte ir ko dar ne.



6 Etapas



Home > Training > Protocol eTraining > Protocol eTraining Modules

- Protocol eTraining Modules
- Atmosphere
- Biosphere
- Hydrosphere
- Pedosphere (Soil)
- eTraining Requirements

Hydrosphere

[View My Requirements](#)



Introduction to Hydrosphere

Learn how to select a Hydrosphere study site and be prepared for taking water measurements using different GLOBE Hydrosphere Investigation protocols.

[Download Module](#)

[Assessment Test](#)

Test not completed

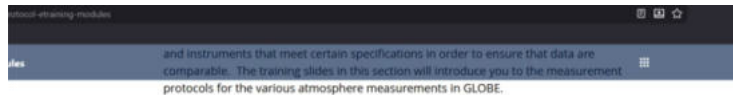
ALKALINITY

Learn how to use an alkalinity kit to measure the alkalinity of a water sample from your Hydrosphere study site. The exact procedure depends on the instructions in the alkalinity kit used.

[Download Module](#)

[Assessment Test](#)

Test not completed



and instruments that meet certain specifications in order to ensure that data are comparable. The training slides in this section will introduce you to the measurement protocols for the various atmosphere measurements in GLOBE.



Biosphere Modules

The Biosphere is comprised of all living things. GLOBE's Biosphere investigation areas are Biometry (Land Cover) and Phenology. All living things—including humans—depend on their habitat for survival. Land cover measurements describe the vegetation that provides shelter, food, and protection. Land cover also has a direct effect on the kinds of animals that will likely inhabit an area. Phenology is the study of living organisms' response to seasonal changes in the environment in which they live. Green-up and green-down marks the beginning and end of the growing season for plants, and seasonal animal migration is tuned to the yearly changes in habitat. Identifying trends in the timing of green-up and green-down as well as the seasonal migration of organisms promote understanding of the impacts of changes in long-term weather patterns. Students and scientists investigate phenology and biometry using standardized measurement protocols and using instruments that meet certain specifications in order to ensure that data are comparable.



Hydrosphere Modules

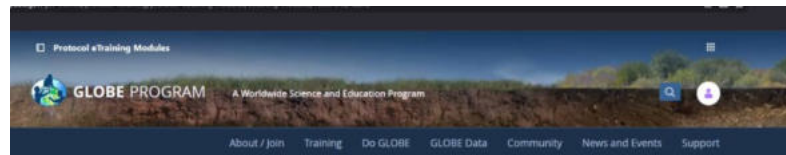
The Hydrosphere is the water component of our planet, and includes liquid water, ice and vapor. Changing any part of the Earth system, such as the amount or type of vegetation in a region or from natural land cover to an impervious one, can affect the rest of the system, and water plays a role in many of these changes. Rain and snow capture aerosols from the air. Acidic water slowly dissolves rocks, placing dissolved solids in water. Dissolved or suspended impurities determine water's chemical composition. Water is a good solvent and participates in many of the chemical reactions that take place in the Earth system. Scientific measurement programs in many areas of the world cover only a few water bodies a few times during the year, so GLOBE students provide valuable data to help fill these gaps and

Tada paslinkite į apačią ir galite pasirinkti bet kurį iš sferų ir parsisiųsti jo modulį.

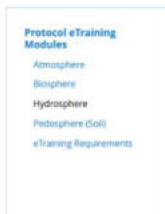


7 Etapas

Perskaitę modulį, galite pradėti spręsti testą.



Home > Training > Protocol eTraining > Protocol eTraining Modules



Hydrosphere

[View My Requirements](#)



Introduction to Hydrosphere

Learn how to select a Hydrosphere study site and be prepared for taking water measurements using different GLOBE Hydrosphere investigation protocols.

[Download Module](#)

[Assessment Test](#)

Test not completed

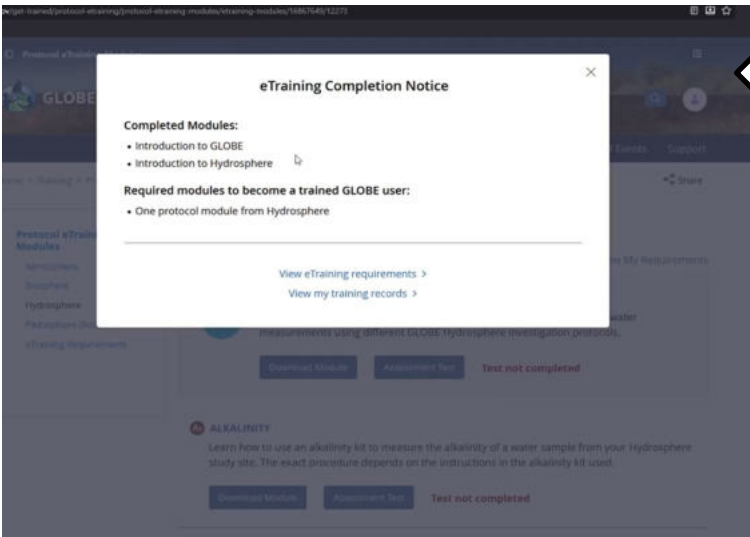
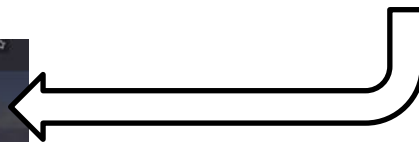
ALKALINITY

Learn how to use an alkalinity kit to measure the alkalinity of a water sample from your Hydrosphere study site. The exact procedure depends on the instructions in the alkalinity kit used.

[Download Module](#)

[Assessment Test](#)

Test not completed



Pabaigus testą, dar kartą pasirodys lentelė, kurioje matysite, ką jau išlaikėte ir ko dar ne.



8 Etapas

Modules

- 1 WATER pH - Using pH Paper
Learn how to use a pH paper to measure the pH of water at your Hydrosphere study site.
[Download Module](#) [Assessment Test](#) **Test not completed**
- 2 WATER TEMPERATURE - Using a Temperature Probe
Learn how to measure the temperature of a water sample by using a temperature probe.
[Download Module](#) [Assessment Test](#) **Test not completed**
- 3 WATER TEMPERATURE - Using an Alcohol-Filled Thermometer
Learn how to measure the temperature of a water sample by using an alcohol-filled thermometer.
[Download Module](#) [Assessment Test](#) **Test not completed**
- 4 WATER TRANSPARENCY - Using a Secchi Disk
Learn how to determine the transparency of water using a Secchi disk.
[Download Module](#) [Assessment Test](#) **Test not completed**

1 WATER pH - Using pH Paper
Learn how to use a pH paper to measure the pH of water at your Hydrosphere study site.
[Download Module](#) [Assessment Test](#) **Test not completed**

2 WATER TEMPERATURE - Using a Temperature Probe
Learn how to measure the temperature of a water sample by using a temperature probe.
[Download Module](#) [Assessment Test](#) **Test not completed**

3 WATER TEMPERATURE - Using an Alcohol-Filled Thermometer
Learn how to measure the temperature of a water sample by using an alcohol-filled thermometer.
[Download Module](#) [Assessment Test](#) **Test not completed**

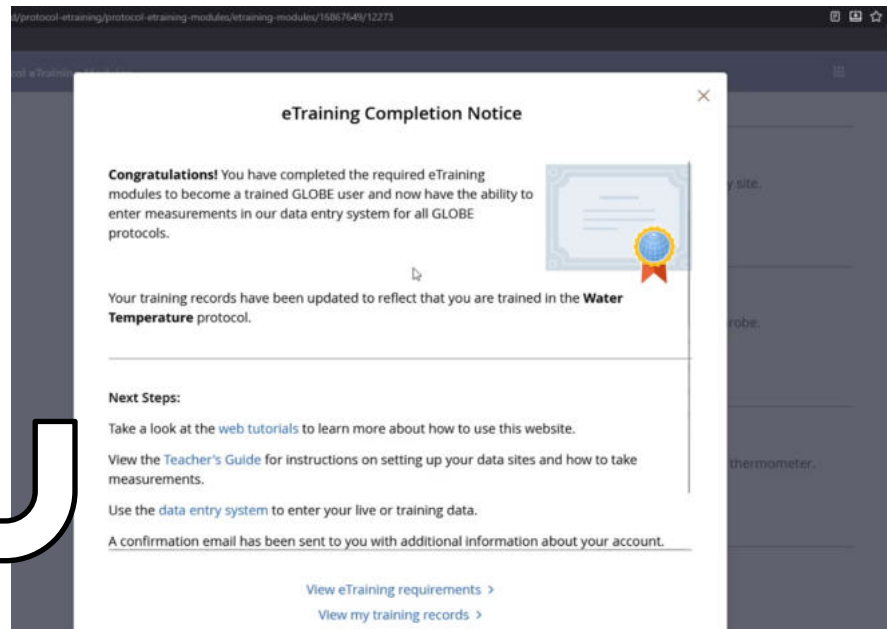
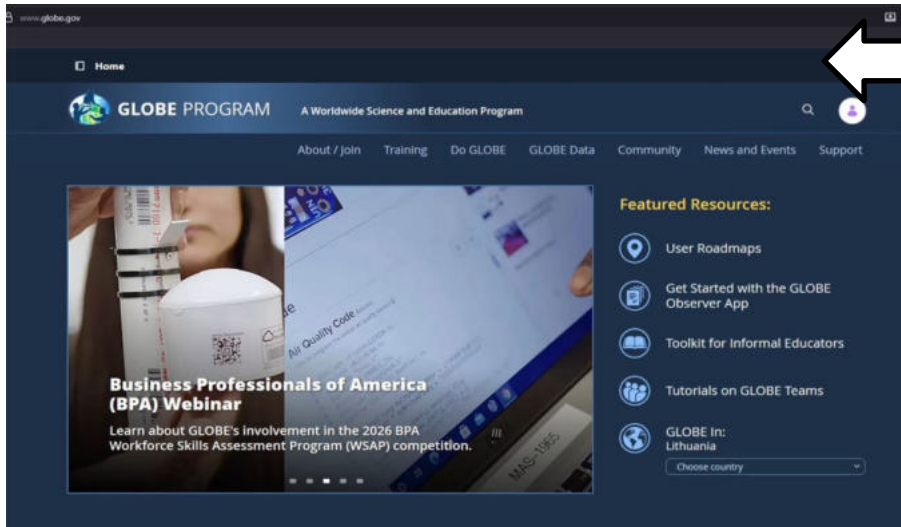
4 WATER TRANSPARENCY - Using a Secchi Disk
Learn how to determine the transparency of water using a Secchi disk.
[Download Module](#) [Assessment Test](#) **Test not completed**

Tada eikite prie protokolų,
parsisiųskite modulį ir išspręskite
testą.



9 Etapas

Sveikinuu!!! Jūs gavote sertifikatu.
Dabar jau galite įkelti savo duomenis į „GLOBE“ programą.



Erasmus+ KA2 Cooperation Partnerships project
Sailing Into Opportunities
No. 2023-1-LT01-KA220-SCH-000161306

sailtunities.gaminu.eu



**Co-funded by
the European Union**

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the national Agency. Neither the European Union nor the National Agency can be held responsible for them.