INTRODUCTION

The Earth observation (EO) and Geoinformatics (GI) sector is rapidly evolving due to technological advances, a larger collection of open data (as Copernicus), and a broader user base. The evolution requires the adaptation of GI/EO training for matching the demanded skills on the market.

This survey focuses on the supply of academic and Vocational Education and Training (VET) in Europe in the space/geospatial sector. The survey is finalized at an analysis of existing and planned training educational offer in the sector and of the organisations (from the Academy and from the private sector) which can contribute to the improvement of the skills for the user uptake of Copernicus data and services.

This survey is promoted by EO4GEO. EO4GEO is an Erasmus+ Sector Skills Alliance project aiming at bridging the skills gap between supply and demand of education and training in the space/geospatial sector.

If you decide to be informed about the follow up of this survey and about our project in general, your personal data will be processed in compliancy with the General Data Protection Regulation (GDPR). More information can be found in our Privacy Policy.

The time required to complete this survey is around 10-15 minutes, but it depends on the amount of training material that is intended to be described.

Contact Us in case of any doubt.

Please support us in making GI/EO professionals ready for the future! Many thanks in advance!

The EO4GEO team

Section 1: YOUR ORGANISATION

*Name of the organisation
Organisation website

*Country of the organisation*
Please specify "International" or European" in case of Intergovernmental organisation

- International organisation
- European organisation
- Afghanistan
- Albania
- Algeria
- Andorra
- Angola
- Antigua and Barbuda
- Argentina
- Armenia
- Australia
- Austria
- Azerbaijan
- Bahamas
- Bahrain
- Bangladesh
- Barbados
- Belarus
- Belgium
- Belize
- Benin
- Bhutan
- Bolivia
- Bosnia and Herzegovina
- Botswana
- Brazil
- Brunei Darussalam
- Bulgaria
- Burkina Faso
- Burundi
- Cabo Verde
- Cambodia
- Cameroon
- Canada
- Central African Republic
- Chad
Israel
Italy
Jamaica
Japan
Jordan
Kazakhstan
Kenya
Kiribati
Kuwait
Kyrgyzstan
Laos
Latvia
Lebanon
Lesotho
Liberia
Libya
Liechtenstein
Lithuania
Luxembourg
Madagascar
Malawi
Malaysia
Maldives
Mali
Malta
Marshall Islands
Mauritania
Mauritius
Mexico
Micronesia
Monaco
Mongolia
Montenegro
Morocco
Mozambique
Myanmar
Namibia
Nauru
Nepal
Netherlands
New Zealand
Nicaragua
Niger
Nigeria
North Korea
Norway
Oman
Pakistan
Palau
Panama
Papua New Guinea
Paraguay
Peru
Philippines
Poland
Portugal
Qatar
Republic of Moldova
Romania
Russian Federation
Rwanda
Saint Kitts and Nevis
Saint Lucia
Saint Vincent and the Grenadines
Samoa
San Marino
Sao Tome and Principe
Saudi Arabia
Senegal
Serbia
Seychelles
Sierra Leone
Singapore
Slovakia
Slovenia
Solomon Islands
Somalia
South Africa
South Korea
South Sudan
Spain
Sri Lanka
Sudan
Suriname
Swaziland
Sweden
Switzerland
Syrian Arab Republic
Tajikistan
Tanzania
Thailand
The former Yugoslav Republic of Macedonia
How can your organization be best characterized?

- Education&Research (Education -all levels-, Academy Research, …)
- Industry/Company (Large Enterprise)
- Small Medium Enterprise (SME)
- Administration/Public Body (at all levels)
- VET Providers
- Other (see below)

Other type of organisation
In case your organization does not respond to any of the types listed above, please specify it in this box.

*Main Business sector*

Section 2: EO/GI EDUCATION AND TRAINING OFFER

The training/educational offer in your organization can be a single course (or even a single module or a single lecture), or a number of courses, organised in a programme.
Please specify the most relevant courses/modules/lectures that best reflect the focus, or the core, of Spatial /Geospatial teaching in your organization.

**Please answer to the following block of questions for each of your course/module/lecture.**

**Course/Module/Lecture #1**

* **Title (English name)**

* **Type of training**
  
  A "course" could be a university course or a training course not related to an academic path, composed by one or more training modules. A "training module" is intended as a set of learning material/lectures with specific objectives and learning outcomes, which is self-consistent and can be followed independently with others or combined with other modules in a course.

  - [ ] Course
  - [ ] Training Module
  - [ ] Training Package (a package of training courses/modules)
  - [ ] Lecture
  - [ ] Summer school
  - [ ] Webinar
  - [ ] Book or e-book

**Other type of training**

In case your training offer does not respond to any of the types listed above, please specify it in this box.

In case your training is part of a larger teaching programme, please mention the name and a short description of the programme

i.e. a University program/curriculum, or an organized training package, which consists of a set of courses/modules. In the Academic context, for example, it could leads to a university degree (e.g. a Master of Science or MSc).

* **Please provide a short description of the content**

* **Please indicate the learning outcomes**
Learning outcomes are statements of what a learner knows, understands and is able (Knowledge Skills Competences) to do on completion of a learning process. Typical statements could be “upon completion of this course the student will be able to identify and search databases to gather reliable information about …” or “…the student will be able to summarize current theories on…” (avoid vague and not measurable verbs like “become familiar with, understand, know about,…”)

Which is the application field covered by the content?
Multiple choice possible. Find [HERE](#) more information on the thematic taxonomy used below

**Land Services**
- Agriculture
- Inland Water
- Land Ecosystems
- Topography
- Forests
- Snow & Ice
- Land use
- Geology

**Built Environment & Human Factors**
- Urban Areas
- Infrastructure

**Ocean & Marine**
- Marine ecosystem
- Metocean
- Ships
- Coastal
- Fisheries
- Sea-ice and icebergs

**Atmosphere & Climate**
- Atmosphere
- Climate
- Meteorology

**Disasters & Geohazards**
- Floods
- Earthquakes
- Volcanos
- Fires
- Landslides

**Security**
- Monitor sensitive risk areas
- Map disaster areas
- Monitor land border incursions
- Monitor movement of people
- Monitor economic activity
- Monitor transport routes
- Forecasting epidemics and diseases

**Other application field (please specify)**

*Does it use any of the following Copernicus Services (and related data)?* Find [HERE](#) more information regarding the Copernicus Services

- Atmosphere (CAMS)
- Marine Environment (CMEMS)
* Language of the learning material
  - Bulgarian
  - Croatian
  - Czech
  - Danish
  - Dutch
  - English
  - Estonian
  - Finnish
  - French
  - Gaelic
  - German
  - Greek
  - Hungarian
  - Italian
  - Latvian
  - Lithuanian
  - Maltese
  - Polish
  - Portuguese
  - Romanian
  - Slovak
  - Slovenian
  - Spanish
  - Swedish

* Duration (total number of hours)

* Registration period
  - Currently available
  - Available in the next two years

* Is the learning material accessible? If accessible, please specify how, the copyrights and URL (if online)
*Is the learning material open for possible re-use in other educational and training contexts?
Possibility to re-use the learning material in other contexts, i.e. in other universities, in other training courses, in professional settings outside academic courses (training/updating professionals) or even in courses related to other connected disciplines. It is meant here a concept of reuse in a wide sense, either under open license or upon payment of fees (please, in case specify)

Size in ECTS credits (if applicable)
ECTS: European Credit Transfer and Accumulation System. On average 1 credit equals 28 hours of study load, 60 credits = 1 year.

European Qualification Framework (EQF) Level
Find HERE more information regarding the European Qualifications Framework (EQF)
☐ EQF4 (vocational)
☐ EQF5/6 (bachelor)
☐ EQF7 (master)
☐ EQF8 (phd)

* Please add another Course/Module/Lecture
  ○ Yes, I want to add another Course/Module/Lecture block
  ○ No, go to the final section of the questionnaire

Course/Module/Lecture #2

* Title (English name)

* Type of training
A "course" could be a university course or a training course not related to an academic path, composed by one or more training modules. A "training module" is intended as a set of learning material/lectures with specific objectives and learning outcomes, which is self-consistent and can be followed independently with others or combined with other modules in a course.

☐ Course
☐ Training Module
☐ Training Package (a package of training courses/modules)
☐ Lecture
☐ Summer school
☐ Webinar
☐ Book or e-book

Other type of training
In case your training offer does not respond to any of the types listed above, please specify it in this box.
In case your training is part of a larger teaching programme, please mention the name and a short 
description of the programme

i.e. a University program/curriculum, or an organized training package, which consists of a set of courses/modules. 
In the Academic context, for example, it could leads to a university degree (e.g. a Master of Science or MSc).

*Please provide a short description of the content

*Please indicate the learning outcomes

Learning outcomes are statements of what a learner knows, understands and is able (Knowledge Skills Competences) to do on 
completion of a learning process.

Typical statements could be “upon completion of this course the student will be able to identify and search databases to gather reliable
information about …” or “…the student will be able to summarize current theories on…” (avoid vague and not measurable verbs like
“become familiar with, understand, know about,…”)

Which is the application field covered by the content?

Multiple choice possible. Find HERE more information on the themathic taxonomy used below

Land Services

☐ Agriculture   ☐ Inland Water   ☐ Land Ecosystems   ☐ Topography
☐ Forests       ☐ Snow & Ice   ☐ Land use          ☐ Geology

Built Environment & Human Factors

☐ Urban Areas   ☐ Infrastructure

Ocean & Marine

☐ Marine ecosystem  ☐ Metocean      ☐ Ships
☐ Coastal         ☐ Fisheries      ☐ Sea-ice and icebergs
Atmosphere & Climate

- Atmosphere
- Climate
- Meteorology

Disasters & Geohazards

- Floods
- Earthquakes
- Volcanos
- Fires
- Landslides

Security

- Monitor sensitive risk areas
- Monitor land border incursions
- Monitor economic activity
- Forecasting epidemics and diseases
- Map disaster areas
- Monitor movement of people
- Monitor transport routes

Other application field (please specify)

* Does it use any of the following Copernicus Services (and related data)?

Find HERE more information regarding the Copernicus Services

- Atmosphere (CAMS)
- Marine Environment (CMEMS)
- Land (CLMS)
- Climate Change (C3S)
- Emergency Management (EMS)
- Security
- None

* Language of the learning material

- Bulgarian
- Croatian
- Czech
- Danish
- Dutch
- English
- Estonian
- Finnish
- French
- Gaelic
- German
- Greek
- Hungarian
- Italian
- Latvian
- Lithuanian
- Maltese
- Polish
* Duration (total number of hours)

* Registration period
  - [ ] Currently available
  - [ ] Available in the next two years

* Is the learning material accessible? If accessible, please specify how, the copyrights and URL (if online)

* Is the learning material open for possible re-use in other educational and training contexts?
  Possibility to re-use the learning material in other contexts, i.e. in other universities, in other training courses, in professional settings outside academic courses (training/updating professionals) or even in courses related to other connected disciplines. It is meant here a concept of reuse in a wide sense, either under open license or upon payment of fees (please, in case specify)

Size in ECTS credits (if applicable)
ECTS: European Credit Transfer and Accumulation System. On average 1 credit equals 28 hours of study load, 60 credits = 1 year.

European Qualification Framework (EQF) Level
Find [HERE](#) more information regarding the European Qualifications Framework (EQF)
  - [ ] EQF4 (vocational)
  - [ ] EQF5/6 (bachelor)
  - [ ] EQF7 (master)
  - [ ] EQF8 (phd)

* Please add another Course/Module/Lecture
  - [ ] Yes, I want to add another Course/Module/Lecture block
  - [ ] No, go to the final section of the questionnaire

Course/Module/Lecture #3
* Title (English name)


* Type of training

A "course" could be a university course or a training course not related to an academic path, composed by one or more training modules. A "training module" is intended as a set of learning material/lectures with specific objectives and learning outcomes, which is self-consistent and can be followed independently with others or combined with other modules in a course.

- [ ] Course
- [ ] Training Module
- [ ] Training Package (a package of training courses/modules)
- [ ] Lecture
- [ ] Summer school
- [ ] Webinar
- [ ] Book or e-book

Other type of training

In case your training offer does not respond to any of the types listed above, please specify it in this box.


In case your training is part of a larger teaching programme, please mention the name and a short description of the programme

i.e. a University program/curriculum, or an organized training package, which consists of a set of courses/modules.

In the Academic context, for example, it could leads to a university degree (e.g. a Master of Science or MSc).


* Please provide a short description of the content


* Please indicate the learning outcomes

Learning outcomes are statements of what a learner knows, understands and is able (Knowledge Skills Competences) to do on completion of a learning process.

Typical statements could be "upon completion of this course the student will be able to identify and search databases to gather reliable information about …" or " …the student will be able to summarize current theories on…” (avoid vague and not measurable verbs like “become familiar with, understand, know about,…”)
Which is the application field covered by the content?

Multiple choice possible. Find [HERE](#) more information on the thematic taxonomy used below

**Land Services**
- ☐ Agriculture
- ☐ Inland Water
- ☐ Land Ecosystems
- ☐ Topography
- ☐ Forests
- ☐ Snow & Ice
- ☐ Land use
- ☐ Geology

**Built Environment & Human Factors**
- ☐ Urban Areas
- ☐ Infrastructure

**Ocean & Marine**
- ☐ Marine ecosystem
- ☐ Metocean
- ☐ Ships
- ☐ Coastal
- ☐ Fisheries
- ☐ Sea-ice and icebergs

**Atmosphere & Climate**
- ☐ Atmosphere
- ☐ Climate
- ☐ Meteorology

**Disasters & Geohazards**
- ☐ Floods
- ☐ Earthquakes
- ☐ Volcanos
- ☐ Fires
- ☐ Landslides

**Security**
- ☐ Monitor sensitive risk areas
- ☐ Monitor land border incursions
- ☐ Monitor economic activity
- ☐ Forecasting epidemics and diseases
- ☐ Map disaster areas
- ☐ Monitor movement of people
- ☐ Monitor transport routes

**Other application field (please specify)**

---

*Does it use any of the following Copernicus Services (and related data)?*

Find [HERE](#) more information regarding the Copernicus Services

- ☐ Atmosphere (CAMS)
- ☐ Marine Environment (CMEMS)
- ☐ Land (CLMS)
- ☐ Climate Change (C3S)
- ☐ Emergency Management (EMS)
- ☐ Security
None

*Language of the learning material
- Bulgarian
- Croatian
- Czech
- Danish
- Dutch
- English
- Estonian
- Finnish
- French
- Gaelic
- German
- Greek
- Hungarian
- Italian
- Latvian
- Lithuanian
- Maltese
- Polish
- Portuguese
- Romanian
- Slovak
- Slovenian
- Spanish
- Swedish

*Duration (total number of hours)

*Registration period
- [ ] Currently available
- [ ] Available in the next two years

*Is the learning material accessible? If accessible, please specify how, the copyrights and URL (if online)

*Is the learning material open for possible re-use in other educational and training contexts?
Possibility to re-use the learning material in other contexts, i.e. in other universities, in other training courses, in professional settings outside academic courses (training/updating professionals) or even in courses related to other connected disciplines. It is meant here a concept of reuse in a wide sense, either under open license or upon payment of fees (please, in case specify)
Size in ECTS credits (if applicable)

ECTS: European Credit Transfer and Accumulation System. On average 1 credit equals 28 hours of study load, 60 credits = 1 year.

---

European Qualification Framework (EQF) Level

Find [HERE](#) more information regarding the European Qualifications Framework (EQF)

- [ ] EQF4 (vocational)
- [ ] EQF5/6 (bachelor)
- [ ] EQF7 (master)
- [ ] EQF8 (phd)

---

* Please add another Course/Module/Lecture

- [ ] Yes, I want to add another Course/Module/Lecture block
- [ ] No, go to the final section of the questionnaire

---

Course/Module/Lecture #4

* Title (English name)

---

* Type of training

A "course" could be a university course or a training course not related to an academic path, composed by one or more training modules. A "training module" is intended as a set of learning material/lectures with specific objectives and learning outcomes, which is self-consistent and can be followed independently with others or combined with other modules in a course.

- [ ] Course
- [ ] Training Module
- [ ] Training Package (a package of training courses/modules)
- [ ] Lecture
- [ ] Summer school
- [ ] Webinar
- [ ] Book or e-book

---

Other type of training

In case your training offer does not respond to any of the types listed above, please specify it in this box.
In case your training is part of a larger teaching programme, please mention the name and a short description of the programme

i.e. a University program/curriculum, or an organized training package, which consists of a set of courses/modules.
In the Academic context, for example, it could lead to a university degree (e.g. a Master of Science or MSc).

*Please provide a short description of the content*

*Please indicate the learning outcomes*

Learning outcomes are statements of what a learner knows, understands and is able (Knowledge Skills Competences) to do upon completion of a learning process.

Typical statements could be “upon completion of this course the student will be able to identify and search databases to gather reliable information about…” or “…the student will be able to summarize current theories on…” (avoid vague and not measurable verbs like “become familiar with, understand, know about,...”)

Which is the application field covered by the content?

Multiple choice possible. Find [HERE](#) more information on the thematic [taxonomy](#) used below

**Land Services**
- [ ] Agriculture
- [ ] Inland Water
- [ ] Land Ecosystems
- [ ] Topography
- [ ] Forests
- [ ] Snow & Ice
- [ ] Land use
- [ ] Geology

**Built Environment & Human Factors**
- [ ] Urban Areas
- [ ] Infrastructure

**Ocean & Marine**
- [ ] Marine ecosystem
- [ ] Metocean
- [ ] Ships
- [ ] Coastal
- [ ] Fisheries
- [ ] Sea-ice and icebergs

**Atmosphere & Climate**
- [ ] Atmosphere
- [ ] Climate
- [ ] Meteorology

**Disasters & Geohazards**
Floods  Earthquakes  Volcanos  Fires  Landslides

Security
- Monitor sensitive risk areas
- Monitor land border incursions
- Monitor economic activity
- Forecasting epidemics and diseases
- Map disaster areas
- Monitor movement of people
- Monitor transport routes

Other application field (please specify)

* Does it use any of the following Copernicus Services (and related data)?
  - Find HERE more information regarding the Copernicus Services
  - Atmosphere (CAMS)
  - Marine Environment (CMEMS)
  - Land (CLMS)
  - Climate Change (C3S)
  - Emergency Management (EMS)
  - Security
  - None

* Language of the learning material
  - Bulgarian
  - Croatian
  - Czech
  - Danish
  - Dutch
  - English
  - Estonian
  - Finnish
  - French
  - Gaelic
  - German
  - Greek
  - Hungarian
  - Italian
  - Latvian
  - Lithuanian
  - Maltese
  - Polish
  - Portuguese
  - Romanian
  - Slovak
  - Slovenian
* Duration (total number of hours)

* Registration period
  - Currently available
  - Available in the next two years

* Is the learning material accessible? If accessible, please specify how, the copyrights and URL (if online)

* Is the learning material open for possible re-use in other educational and training contexts?
Possibility to re-use the learning material in other contexts, i.e. in other universities, in other training courses, in professional settings outside academic courses (training/updating professionals) or even in courses related to other connected disciplines. It is meant here a concept of reuse in a wide sense, either under open license or upon payment of fees (please, in case specify)

Size in ECTS credits (if applicable)
ECTS: European Credit Transfer and Accumulation System. On average 1 credit equals 28 hours of study load, 60 credits = 1 year.

European Qualification Framework (EQF) Level
Find HERE more information regarding the European Qualifications Framework (EQF)
- EQF4 (vocational)
- EQF5/6 (bachelor)
- EQF7 (master)
- EQF8 (phd)

* Please add another Course/Module/Lecture
  - It is possible to add 4 Courses/Modules/Lectures in this questionnaire. In case you want to add more training resources, please Contact Us
  - Please go to the final section of the questionnaire

Section 3: INTERESTED IN EO4GEO?

* Would you be interested in sharing your learning material within the EO4GEO and Copernicus Networks?
  - Yes
Any comments or suggestions for other stakeholders to which we could send this questionnaire?

* Do you want to be informed about the follow up of this survey and about EO4GEO in general?
  - Yes, keep me informed (we will ask your contact information)
  - No thanks

Section 4: CONTACT

If you want to be updated on the progress of EO4GEO and further collaborate with us please indicate:

* Name /Surname

Position in the organisation

* Email address

I hereby authorize the processing of my personal data in conformity with the REGULATION (EU) 2016/679 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation).

EO4GEO Survey Privacy Policy

* I accept your Terms