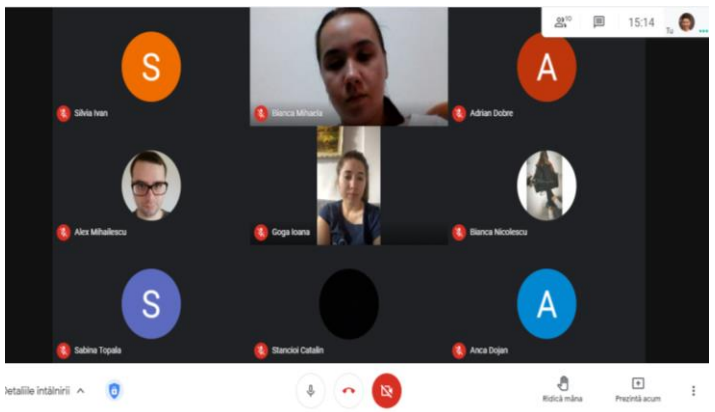
EO4GEO Training Actions

Change detection using EO Data
Romanian Space Agency

University of Bucharest
Faculty of Geography
Master studies
-online lecture-

Target group

Students



Master studies
Intelligent Territorial Development

De ce DEZVOLTARE TERITORIALĂ INTELIGENTĂ ?

❖ Misiunea programului de master *Dezvoltare teritorială inteligentă* (derulat de cadre didactice de la *Universitatea din București* și *Universitatea de Arhitectură și Urbanism Ion Mincu*) este aceea de a forma specialiști înalt calificați cu pregătire complexă, inter- și trans-disciplinară, în domeniul dezvoltării teritoriale, prin compatibilizarea viziunilor existente în prezent la nivelul celor două domenii (geografie și urbanism).

❖ Parcurgerea acestui program va furniza absolvenților competențe pentru gestionarea optimă a resurselor naturale și antropice la nivel micro sau macro teritorial, dar și pentru proiectarea socio-economică pe termen mediu și lung, prin formularea unor strategii, politici și planuri de dezvoltare teritorială inteligentă.

ADMITERE

CE SĂ ALEGEȚI?

Domeniul: Geografie
Programul de studii: Dezvoltare teritorială inteligentă
Forma de învățământ: Învățământ cu frecvență
Durata studiilor: 2 ani
Locație: București
Număr de locuri propuse: 20 buget

CÂND?

Sesiunea: iulie/septembrie 2016
Înscrieri: iulie/septembrie 2016

CUM ESTE CONCURSUL DE ADMITERE?

Examen scris din tematica propusă

CÂT ESTE TAXA DE ADMITERE?

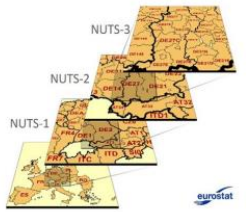
Taxa de admitere: 250 lei

CUM AJUNGEȚI LA NOI?

Transport în comun: Metrou (M2, stația Universitate)
RATB: 61, 69, 70, 90, 122, 126, 137, 168, 226, 268, 300, 368, 381, 601, 783

Bd. Nicolae Bălcescu, nr. 1, Cod postal 010041, Sector 1, București
Tel: 021.305.38.10; 021.305.38.09; 021.305.38.13, Fax. 021.315.30.74
E-mail: secretariat@geo.unibuc.ro; www.geo.unibuc.ro

FACULTATEA DE GEOGRAFIE
Programul de studii:
DEZVOLTARE TERITORIALĂ INTELIGENTĂ



BUCUREȘTI 2016

Faculty of Geography

University of Bucharest

EO4GEO project

Co-funded by the
Erasmus+ Programme
of the European Union

The Space/Geospatial Sector Skills Alliance
Towards an innovative strategy for skills development and capacity building in the space geo-information sector supporting Copernicus User Uptake

EO4GEO is an ERASMUS+ sector skills alliance
Sector Skills Alliances are transnational projects which aim to tackle skills gaps with regard to one or more occupational profiles in a specific specific sector through a coherent and comprehensive set of activities and outputs

EO4GEO project

KEY FIGURES

- Duration : 4 years from January the 1st, 2018
- Budget: 3,87 million € (funded by ERASMUS+)
- Partnership: 25 Partners + 30+ Associated Partners (from 16 EU Countries) from Academia, Companies and networks
- Coordinators: GISIG (General), KU Leuven (Scientific & Technological),

PLUS (Education & Training), Climate-KIC (Exploitation)

- Romanian Space Agency : coordinator of task ***Identifying business processes and occupational profile*** and contributor to several other workpackages

EO4GEO Third Progress Meeting
27th – 28th June 2019, Leuven (BE)

EO4GEO project

THE PROJECT STRATEGY

EO4GEO aims at implementing a new approach ("Blueprint") in the Space/Geospatial sector, in order to :

- to make skills more visible and comparable;
- to improve the quality and relevance of training and other ways of acquiring skills;
- identify the supply of GI and EO education and training at the academic and vocational levels;
- identify the current demand for GI and EO skills and occupational profiles;
- analysing trends, challenges and opportunities in the GI and EO sector.

EO4GEO project

- ***WHAT CAN YOU EXPECT FROM EO4GEO?***

- develop a long-term and sustainable strategy to fill the gap between the supply and demand of space/geospatial education and training, taking into account the current and expected technological and non-technological developments.
- Creating and maintaining an ontology-based Body of Knowledge for the space/geospatial sector based on previous efforts.
- Developing and integrating a dynamic collaborative platform with associated tools.
- Designing and developing a series of curricula and a rich portfolio of training modules directly usable in the context of Copernicus and other relevant programmes;
- Conducting a series of training actions for a selected set of scenario's in the three sub-sectors - integrated applications, smart cities and climate change to test and validate the approach.

EO4GEO project

TARGET AUDIENCE

Primary audience

- High Education (HEI) and VET institutions
- SMEs and industry hiring EO/GI professionals
- Public administrations and agencies (all levels)
- EO/GI students
- Stakeholder associations in the EO/GI sector (students, universities, private sector)

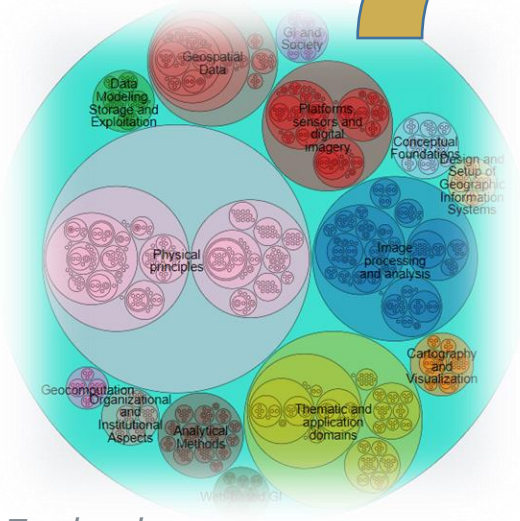
Secondary audience

- **Research centers** active in the field of Earth Observation
- Various **stakeholders** along the Earth Observation/ Geospatial value chain
- **European stakeholder associations** representing students, companies and public administrations in relevant sectors (space, geospatial, aerospace, public sector, innovation, training, digital skills, green skills and soft skills, climate change, integrated applications, smart cities, ecc.)
- Innovation agencies

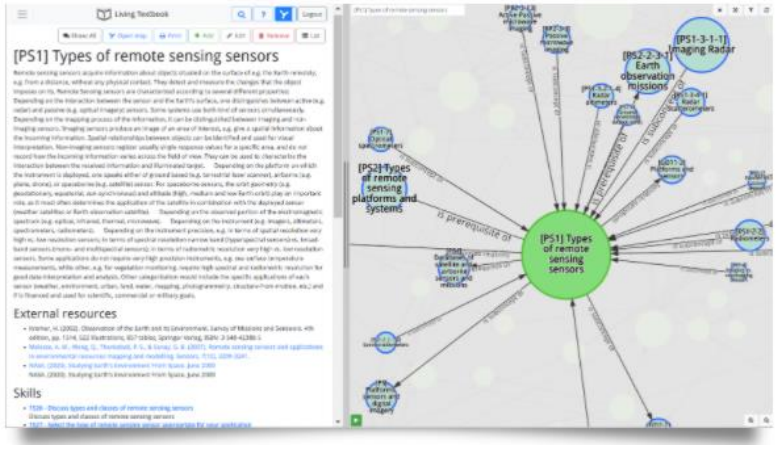
EO4GEO project

EO4GEO OUTCOMES

EO4GEO's BoK Visualization and Search



Living Textbook



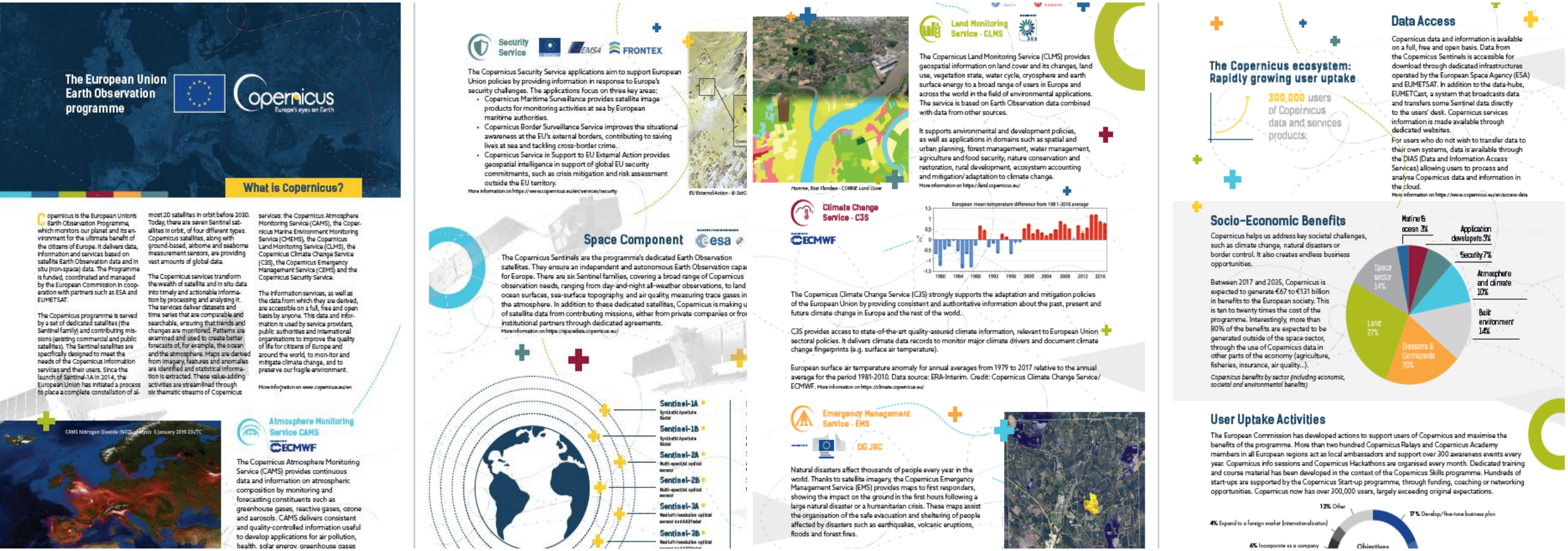
- Occupational profile Tool
- Job Offer Tool
- Curriculum Design Tool
- BoK Annotation Tool
- BoK Matching Tool

EO4GEO project

….MORE OUTCOMES

- EO4GEO produces educational offers to address specific needs of knowedge and skills in the EO/GI sector.
- EO4GEO provides a set of training material addressing the needs of teachers in the field of EO/GI.
- EO4GEO developed a series of training actions (webinar, workshops, summer schools), in three sub-sectors (integrated applications, smart cities, climate change).
- EO4GEO provides a learning platform consisting in a Moodle instance, where the user can find the available training actions.
- EO4GEO offers mobility programs, promoting interships and project work by students in a working environment.

Copernicus in brief



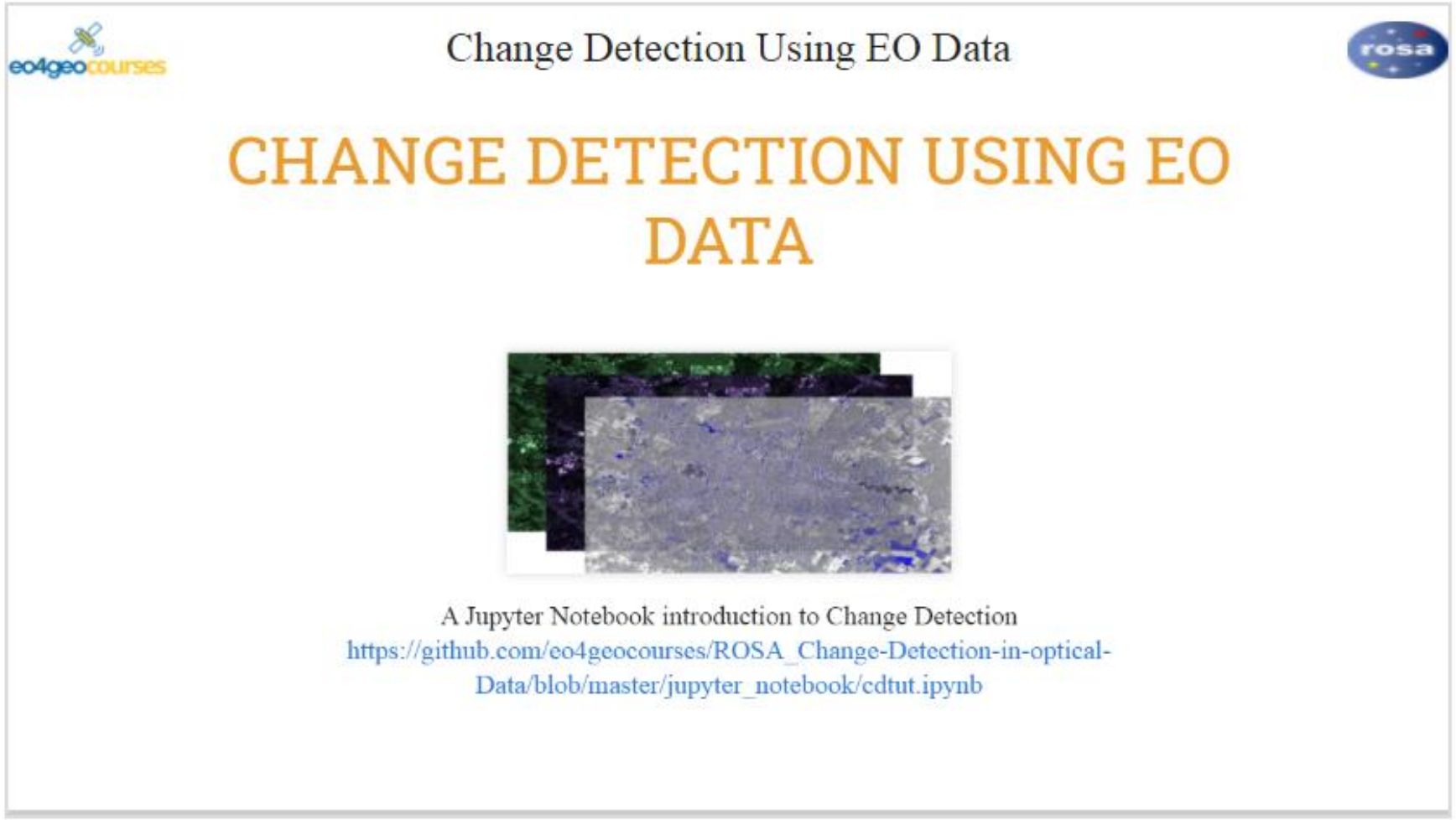
https://www.copernicus.eu/sites/default/files/Brochure_Copernicus_2019%20updated.pdf

The user uptake context

EO4GEO is linked to the Copernicus Building Skills Actions for :

- Increasing the number of people to access and use Copernicus data and information ;
- Increase the supply of skills to stimulate the growth of geospatial-related jobs in Europe

Change detection using EO data academic lecture



http://www.eo4geo.eu/training/change-detection-using-eo-data/

Evaluation of the training lecture offered by ROSA

https://forms.office.com/Pages/ResponsePage.aspx?id=wyxsEyUoZEu0mIJhf4XJKZx0LBDtZNlGqs_Cf0DAGF9UMzhDMk5BOVhWRTBBUzREV0MyMUVXVThHWS4u

Future actions

The Change detection lecture and the other EO4GEO outcomes will be further addressed/promoted within other Master studies programs, at the University of Bucharest, Faculty of Geography.