

Procedura selettiva pubblica per titoli ed esami per la copertura di n. 59 posti di cat. D – Posizione economica D1 – famiglia professionale “Specialista della trasformazione digitale” (BURERT n. 252/2019)

## Prova Scritta 09 Luglio 2020

### Prova n. 2

#### **The international student mobility programs**

ER.GO (a Region-owned company responsible for supporting higher education students), wants to improve the system for the management of the international student mobility programs (Erasmus / Overseas).

The process includes a ranking management module for managing and ranking students' applications, in order to allocate Erasmus and Overseas availabilities.

The process is adapted every year and the management software system is personalized annually according to changes to the regulation defined at European level.

The process as a whole is supported by online applications, front-office applications and back-office applications.

Applications by students can reach the institution via e-mail or through the Front-Office which has the task of collecting the documents (electronically or physically received) and supports the students requests. Employees in the back-office enter the documents into the system that produces the ranking, based by defined parameters, driven by the relevant regulations (the score and the service offered are connected to various factors: merit, economic conditions, preferences of destination).

#### **Critical points.**

The back-office is a bottleneck as its employees manually check all the documentation and then enter the data into the management system, in order to produce the ranking.

ER.GO will probably not be able to maintain the same organizational structure and some reductions will have to be considered in the front-office structure, thus requiring a greater efficiency and productivity.

The technology to support the process has currently these characteristics:

- An obsolete architecture
- A lack of Data Base Integrations
- High software management and maintenance costs

#### **Objectives of the project.**

The general objective is to plan all the activities of the actors involved; making the best use of the collaboration offered by the foreign partner institutions, maximizing the match between availability and requests.

Final objective: process speed and simplification, reduction of process costs through the support of advanced digital tools.

Procedura selettiva pubblica per titoli ed esami per la copertura di n. 59 posti di cat. D – Posizione economica D1 – famiglia professionale “Specialista della trasformazione digitale” (BURERT n. 252/2019)

A review text is attached as a support reference.

### **Your task.**

You are expected to outline a solution to the objectives of the project and make a proposal as to the design and implementation of a digital system. The description should comply with the following items list:

- 1) Rappresentare sinteticamente il processo attuale e quello che viene proposto, evidenziando il ruolo delle tecnologie
- 2) Delineare l'architettura del sistema a supporto del nuovo processo, proponendo possibili tecnologie di sviluppo software, individuando le principali funzionalità applicative, uno schema ad alto livello dei dati coinvolti e i tipi di interfaccia utente richiesti
- 3) Definire il macro-piano di lavoro che identifichi le principali fasi e le reciproche relazioni di dipendenza, gli obiettivi di ogni fase, le competenze specialistiche necessarie
- 4) Individuare le modalità con le quali garantendo il rispetto del GDPR sia possibile estrarre informazioni utili al processo decisionale dell'Ente e alla valutazione del programma di Mobility, descrivendo gli strumenti utilizzabili per la fruibilità dei dati per l'Ente e per gli studenti (logica OPEN DATA).

Procedura selettiva pubblica per titoli ed esami per la copertura di n. 59 posti di cat. D – Posizione economica D1 – famiglia professionale “Specialista della trasformazione digitale” (BURERT n. 252/2019)

## Allegato Prova Scritta n. 2

### Erasmus+ for Higher Education Students and Staff – Frequently Asked Questions

Abridged version. Full text available at: [https://ec.europa.eu/programmes/erasmus-plus/sites/erasmusplus2/files/students-questions-answers\\_en\\_0.pdf](https://ec.europa.eu/programmes/erasmus-plus/sites/erasmusplus2/files/students-questions-answers_en_0.pdf)

#### 1. What is Erasmus+?

Erasmus+ is the EU's new umbrella programme for education, training, youth and sport, designed to be more global and more integrated than ever before. It brings together seven EU programmes and offers more opportunities for cooperation than its predecessors. For more information on the priorities of the programme, the actions supported, the funding available and the modalities of participation, please have a look at the Erasmus+ Programme Guide, which you can find here:

[http://ec.europa.eu/programmes/erasmusplus/documents/erasmus-plus-programme-guide\\_en.pdf](http://ec.europa.eu/programmes/erasmusplus/documents/erasmus-plus-programme-guide_en.pdf)

#### 2. What opportunities are available for higher education students and staff?

The Erasmus+ programme offers a wide range of opportunities for students and staff to study and train abroad. The programme funds intra-EU and international credit mobility for students to study in a receiving institution for a period of 3-12 months and obtain credits which are then recognised by the sending institution. Students can also do a traineeship abroad for a period of 2 to 12 months. Note: Traineeships between Programme and Partner Countries are not available for the time being (see question 5). Erasmus+ provides additional opportunities regarding full Master's programme abroad through scholarships for Erasmus Mundus Joint Master Degrees and through Erasmus+ Master Degree Loans. Please refer to questions 24 and 27 for more information. A number of Erasmus Mundus Action 2 partnerships offer scholarships until 2017 to students and staff. More information can be obtained here:

[http://eacea.ec.europa.eu/erasmus\\_mundus/programme/action2\\_en.php](http://eacea.ec.europa.eu/erasmus_mundus/programme/action2_en.php) Doctoral candidates who want to follow part of their doctoral studies abroad may also receive support through the Marie Skłodowska-Curie Actions under the Horizon 2020 programme. Please refer to questions 34 and 35 for more information. The Erasmus+ programme also funds staff mobility, allowing university staff to teach and be trained abroad. The minimum duration is 2 days when the mobility is between Programme Countries and 5 days when it is between Programme and Partner Countries. In both cases, the maximum duration is 60 days.

#### 3. What is international credit mobility?

For nearly 30 years, Europe has funded the Erasmus programme, which has enabled over three million European students to spend part of their studies in another higher education institution or in a company in Europe. Erasmus+ now opens up these opportunities, allowing for mobility of students and staff, from and to other parts of the world (between the so-called "Programme" and "Partner Countries", see question 5).

Procedura selettiva pubblica per titoli ed esami per la copertura di n. 59 posti di cat. D – Posizione economica D1 – famiglia professionale “Specialista della trasformazione digitale” (BURERT n. 252/2019)

#### 4. Where can I study or do a traineeship under Erasmus+?

Starting from the 2015/2016 academic year, it will be possible to study in institutions based in Programme and Partner Countries (see question 5), as long as these institutions have signed an "inter-institutional agreement" with your home institution. To find out exactly where you can study/train, please contact the International Office of your higher education institution. For traineeships, the receiving organisation can be any private or public organisation active in the labour market or in the fields of education, training and youth. Some examples are:

- a public or private, small, medium or large enterprise (including social enterprises);
- a public body at local, regional or national level;
- a social partner or other representative of the working life, including chambers of commerce, craft/professional associations and trade unions;
- a research institute;
- a foundation;
- a school/institute/educational centre (at any level, from pre-school to upper secondary education, and including vocational education and adult education);
- a non-profit organisation, association, NGO;
- a body providing career guidance, professional counselling and information services;

It is also possible to carry out a traineeship in a higher education institution located in one of the Programme Countries.

#### 5. How long can my Erasmus+ period for studies or traineeships abroad be?

Students and doctoral candidates are able to study abroad for a period of 3 months (or one academic term or trimester), and up to a maximum of 12 months per study cycle. The duration of a traineeship period is of a minimum of 2 months to a maximum of 12 months. In case of a combined study and traineeship, the minimum duration is 3 months and the maximum duration is 12 months, no matter how the time is shared between studies and traineeship. For staff mobility, the minimum duration (excluding travel) is 2 days when the mobility is between Programme Countries and 5 days when it is between Higher Education Students and Staff Frequently Asked Questions January 2015 9 Programme and Partner Countries. In both cases, the maximum duration is 60 days.

#### 6. How do I know if I am eligible to study or do a traineeship abroad with Erasmus+?

To study/train abroad, you must be registered in a higher education institution and you must be following studies leading to a recognised degree or other recognised tertiary level qualification, such as a Bachelor, a Master or a Doctorate. Your institution must be located in one of the countries participating in Erasmus+ mobility for higher education (see question 5). In addition, if your institution is located in a Programme Country, it must have been awarded the Erasmus Charter for Higher Education (ECHE). This Charter is part of an accreditation procedure established to guarantee a quality framework for all participants in mobility activities. You can check your institution's website to know if it is an ECHE holder or see the full list of institutions here: [http://eacea.ec.europa.eu/funding/2014/call\\_he\\_charter\\_en.php](http://eacea.ec.europa.eu/funding/2014/call_he_charter_en.php) The selection criteria to study or train abroad with Erasmus+ are defined by your higher education institution.

Procedura selettiva pubblica per titoli ed esami per la copertura di n. 59 posti di cat. D – Posizione economica D1 – famiglia professionale “Specialista della trasformazione digitale” (BURERT n. 252/2019)

7. What are the selection criteria to participate in Erasmus+ credit mobility?

To participate in Erasmus+ credit mobility, you need to fulfil the eligibility criteria listed in question 11. In addition, you need to fulfil the selection criteria defined by your higher education institution. Your institution may include selection criteria such as the academic performance of the candidate, previous mobility experience, motivation, experience in the receiving country, etc. The selection of students - as well as the procedure for awarding them a grant - must be fair, transparent, coherent and documented, and shall be made available to all parties involved in the selection process. For more information, you are kindly invited to visit your higher education institution's website or contact its international relations office.