



**UNIVERSITÀ  
DEGLI STUDI  
DI BERGAMO**

Area Risorse  
Umane

Settore Gestione Giuridica del Personale  
Servizio Personale TA e Collaboratori

## CHANCELLOR'S DECREE

Data that can be deduced from the registration in the protocol:  
Repertoire Number, Protocol Number, Title,  
Class File Attachments and References

**Object: Public selection based on qualifications and interview for the awarding of no. 4 Early-stage grants for conducting research pursuant to art. 22 of law no. 240/2010 at the Departments of University of Bergamo - Pica Code 24AR047**

### THE CHANCELLOR

- GIVEN Law No. 168 of 9 May 1989 laying down rules on the "Establishment of MIUR";
- GIVEN Law No. 240 of 30 December 2010 "Norms in terms of organization of universities, of academic personnel and their recruitment, as well as mandate to the Government to subsidize quality and efficiency of academic systems", in particular art. 22 on research grants;
- GIVEN the current Statute of the University of Bergamo;
- GIVEN the University's current Regulations for awarding grants for conducting research;
- GIVEN Ministerial Decree Prot. No. 102 of 09 March 2011, recorded at the Court of Auditors on 13 May 2011, which revalued the minimum gross annual amount of grants for conducting research;
- GIVEN Decree-Law No. 192 of 31 December 2014 "Extension of terms provided for by legislative provisions", converted, with amendments, by Law No. 11 of 27 February 2015 and, in particular, Art. 6 paragraph 2 bis which extended by two years the total duration of grants established under Art. 22 of Law No. 240/2010, taking it from four to six years;
- GIVEN
- the D.L. No. 36/2022, converted, with amendments, into Law no. 79/2022, which in art. 14 paragraph 6-quaterdecies establishes that "for one hundred and eighty days following the entry into force of the decree conversion law, limited to the already programmed resources on the mentioned date, or approved by the respective governing structures within the mentioned term of one hundred and eighty days, universities [...] may call for awarding procedures of research grants pursuant to article 22 of law no. 240, in the current text before the entry into force of this decree conversion law";
  - the Legislative Decree n. 198/2022 and art. 6 paragraph 1 establishes that the transitional regulation relating to the possibility of calling for research grants has been extended until 31 December 2023;
  - the Legislative Decree n.215/2023 and art. 6 paragraph 4 establishes that the transitional regulation relating to the possibility of calling for research grants has been extended until 31 July 2024;
  - the Legislative Decree 71/2024 which in art. 15 establishes that the transitional regulation relating to the possibility of calling for research grants has been extended until 31 December 2024;
- Referring also to:
- the University's Code of Ethics issued with Chancellor's Decree. Prot. No. 14405/I/003 of 19.7.2011 and amended with Chancellor's Decree. Rep. No. 262/2018, Prot. No. 60030/I/003 of 12.4.2018;
  - the University's Regulations on research integrity and ethics, enacted with Chancellor's Decree Index No. 387/2016 of 18 July 2016;
  - the University's Patent Regulations enacted with Chancellor's Decree Index No. 390/2016 of 19 July 2016 and amended with Chancellor's Decree Index No. 158/2018 of 26 February 2018 and with Chancellor's Decree Index No 421/2020, of 9.9.2020.
- GIVEN the Ministerial Decree n. 639 of 05.02.2024 "Decree containing the determination of the scientific-disciplinary groups and the related declarations, as well as the rationalization and updating of the scientific-disciplinary sectors and the attribution of the latter to the scientific-disciplinary groups, pursuant to 'art. 15, of law 30 December 2010 n. 240" with



- which the Ministry of University and Research determined the rules of correspondence between the new scientific-disciplinary groups and the macro-sectors and competition sectors referred to in the ministerial decree of 30 October 2015, n. 855;
- ACQUIRED the resolutions of the Councils of the Structures involved referred to in Annex A which approved the annual research projects and resolved on the requirements for candidates' admission to the selection;
- GIVEN the resolutions of the Academic Senate and of the Board of Directors reported in Annex A which approved the research grants activation in various Departments;
- ASCERTAINED the financial backing reported in annex A;

## DECREES

### Article 1

#### Call for public selection

A public selection is launched based on qualifications and interview for the awarding of No. 4 grants for conducting research pursuant to Art. 22 of L. No. 240/2010 with a contract under private law as specified in Annex A to this notice which constitutes an integral part thereof.

Each grant is paid to the contract holder in monthly instalments of equal amount.

The research projects are described in Annex A of this call constituting an integral part hereof.

### Article 2

#### Requirements for admission to the selection

The selection procedure is open to **scholars in possession of a professional scientific curriculum suitable for conducting the scientific research provided for by this call, as well as of the following requirements:**

- **2<sup>nd</sup> cycle degree: Diploma di Laurea Specialistica (LS) or Laurea Magistrale (LM)** and equivalent qualifications *or* **Diploma di Laurea (DL)** obtained according to the procedures preceding the entry into force of Ministerial Decree 509/1999 and following amendments and integrations and equivalent qualifications for admission to public competitions (**see the following Annex A**).
- **knowledge of one or more foreign languages (see the following Annex A).**

To establish the equivalence among **Diploma di Laurea (DL)** and **Diploma di Laurea Specialistica (LS) or Laurea Magistrale (LM)**, it is possible to refer to the following link:  
<http://attiministeriali.miur.it/UserFiles/3160.pdf>

The Decrees that govern the equivalence among Italian academic qualifications for participating in public competitions are available at the following link:  
<http://hubmiur.pubblica.istruzione.it/web/universita/equipollenze-titoli>

**The qualifications obtained abroad must be recognised as valid in the Italian territory.**

As regards qualifications obtained abroad that have not already been recognised in Italy with formal procedure pursuant to the applicable laws, the Commission is competent to assess the equivalence – as to the nature, level and subject correspondence (cycle degree) – to the qualifications required by this call, for the sole purposes of admission to the present selection.

As regards qualifications obtained abroad, required by the call for the purpose of admission to this selection, the applicant:

- in the event of qualifications already recognised as valid in the Italian territory, must indicate in the application **the details of the provision attesting the occurred recognition** pursuant to the applicable laws;
- in the event of **qualifications not yet recognised**, in order to ensure the widest participation in the selection, the candidate with a qualification not yet recognised or with the recognition procedure in progress, **must obligatorily attach to the application, under penalty of exclusion, one or more of the following documents:**
  - **a certified copy of the statement of qualification equivalence**, issued by the competent Italian diplomatic and consular authorities abroad;
  - **the diploma supplement or transcript of record**, legalized and written in Italian or in English;



- **a copy of the qualification** with a translation into Italian or English

**In the PICA procedure for forwarding applications to participate in the selection, it is only necessary to indicate the qualification required by the call (master's degree) and insert, where necessary, the required attachments.** Qualifications superior or additional to the one valid for admission (e.g., PhD) can be declared in the section referring to other qualifications/titles.

**In the event of qualifications not yet recognized, the candidate is admitted with reserve.**

**If the candidate turns out to be the winner, he must start the equivalence procedure above indicated, within the term of 90 days since the subscription of the contract.**

Moreover, the applicant is also required:

- **to be at least 18 years old;**
- **to be in possession of civil and political rights;**
- **to have no criminal convictions or ongoing criminal proceedings that would prevent, in accordance with the regulations in force, the establishment of an employment relationship.**

The selective procedure does not allow admittance to:

- those who have a degree of kinship or affinity, up to and including the fourth degree, with a professor from the relevant structure, or with the Chancellor, the General Manager or a member of the University's Board of Directors;
- those who have been holders, including any renewals, of research grants awarded pursuant to Art. 22 of Law No. 240/2010 for a period which, added to the duration of the contract provided for by this call, exceeds a total of six years, except for the period in which the grant was used in coincidence with the PhD within the maximum legal duration of the relevant course;
- those who were contracted as research fellow or fixed-term researcher as per ss. 22 and 24 of Law 240/2010 at the University of Bergamo or other Italian public, private or online Athenaeums, as well as any other Body indicated in para 1 of s. 22 of Law 240/2010 for a length of time which, if summed to the duration of the contract in this announcement, exceeds 12 years in total, albeit not consecutive; periods of time spent on maternity or sick leaves do not count to the purpose of the duration of the aforementioned relationships, in accordance with current Laws;

The applicant enrolled in a Diploma di Laurea (DL), Diploma di Laurea Specialistica (LS), Laurea Magistrale (LM), PhD with study grant or medical specialisation in Italy or abroad can participate in the selection object hereof; should the applicant be the winner, the research grant will be awarded subject to withdrawal from studies or PhD study grant.

Pursuant to art. 22 paragraph 2 of Law 240/2010 cannot be recipient of the grants the regular personnel at universities, institutions and public entities of research and experimentation, the Italian National Agency for new technologies, energy and sustainable economic development (ENEA) and the Italian Space Agency (ASI) and institutions whose scientific specialization diploma was recognised equivalent to a PhD pursuant to the fourth paragraph under article 74 of Presidential Decree of 11 July 1980, No. 382.

The holder of the grant can attend PhD courses whose subjects are related to the research activities connected with the grant, upon prior evaluation of the Structure of reference. However, the research grant is incompatible with the enjoyment of the PhD study grant.

These requirements must be met on the date of expiry of the deadline for submitting the application for the admission to this selection.

This Administration guarantees equality and equal opportunities between men and women as to access to employment and treatment at work.

### **Article 3**

#### **Exclusion from the procedure**

The following reasons are causes of exclusion:

- lack of signature on the application form;
- lack of admission requirements as provided for by Art. 2;
- failure to meet the procedures for submitting the application as mentioned under the following Art. 4.



The applicant is admitted if selected; should additional investigations be necessary; the applicant must regularize his/her application within the time peremptorily established.

The Administration may decide to exclude the applicant from the selection launched with this call, at any time, by reasoned Chancellor's Decree.

#### Article 4

##### Terms and conditions for submitting application

Under penalty of exclusion applications for participation in the competition, along with the relevant qualifications held and the relevant scientific publications, shall be submitted online through the following online application procedure:

<https://pica.cineca.it/unibg/>

The candidate will be able to register and access the platform using the Public Digital Identity System (SPID - security level 2). In case the candidate does not have one, he or she can request it according to the procedure indicated on the website [www.spid.gov.it](http://www.spid.gov.it). Alternatively, the candidate can register and log in using the credentials released directly by the PICA platform.

It is of utmost importance to provide a valid email address in order to enable the registration process on the electronic procedure.

Applicants shall upload all personal and professional data as requested by the application procedure; all documents must be uploaded in PDF format (.pdf). Each applicant can produce a maximum of no. 40 publications and a maximum of no. 40 other titles and qualifications.

**Failure to comply with the online application procedure will result in exclusion of the applicant.**

Prior to final submission, and within the given deadline for applications submission, the online application procedure allows to modify and save the inserted information in a draft copy.

Confirmation of final submission date will be certified by an automatic notification email.

Submissions after the given deadlines will not be accepted by the system, as the online application procedure won't be accessible.

Each application will be given a registration number. For all further communications, the registration number shall be quoted along with the code of the research grant competition.

The online application and the submission procedure must be completed by and no later than **12.00 (Italian time) on the thirtieth day** from the notice publication date on the University website. Should the indicated deadline fall on a non-business day, it shall be postponed no later than 12.00 (Italian time) of the next business day.

The submission of the online application must be completed and finalized:

- **no digital signature:** in this case the candidate has to download the pdf file of the application by the system; the PDF file shall not be modified in any way, it is to be printed, signed in original, scanned in a pdf file and uploaded again on the website;
- **sign the application on the server using ConFirma service:** in order to sign digitally the application it is necessary to have a hardware (e.g., smart card or USB with digital signature certificate issued by an approved certification body) compatible with ConFirma service; after signing, applicants can download the signed pdf application;
- **sign the application digitally on your PC:** In order to sign digitally the application, it is necessary to have a hardware (e.g., smart card or USB with digital signature certificate issued by an approved certification body) and a software for digital signatures in order to create a pdf.p7m file from the pdf file downloaded from this site. The pdf.p7m file must be uploaded on the website again;
- **in case of submission of the application through SPID,** it will not be necessary to sign the application form as it is automatically acquired by the procedure.

**The application must contain all the required data by the system and must be signed and accompanied by a valid identification document of the candidate, under penalty of exclusion.**

For any technical problems, contact support through the link available in the footer <https://pica.cineca.it/unibg>.

#### Article 5

##### Admission application

The applicant, filling the application, must declare, under his/her own responsibility, pursuant to what provided for by Presidential Decree 445/2000 and following amendments and integrations, as follows:



- his/her citizenship;
- to possess the qualifications mentioned in the attached annex A, indicating the degree cycle, the date on which it was obtained, the Institute that issued it and the final vote/assessment achieved; the applicant with qualification(s) obtained abroad must declare to have obtained the relevant recognition indicating in the application the details of the provision or must annex the required documentation according to what specified hereby;
- to possess any other requirements as mentioned in Annex A;
- to possess other qualifications useful for the assessment;
- to know the foreign language required by this call;
- in case of Italian citizenship: to be enrolled in the electoral lists, specifying the Municipality of belonging and possibly specifying the reasons for non-inclusion or cancellation from the same lists; in case of foreign citizenship: to possess civil and political rights in the Country of belonging or provenance, or the reasons for non-possession of the same;
- not to be excluded from the active political electorate;
- to have no criminal convictions, or declare possible convictions undergone, indicating the details of related sentences, and any pending criminal proceedings;
- to be/not to be a state employee, specifying to be/not to be a regular employee at Universities and other bodies as mentioned in Art. 22 of L. No. 240/2010;
- to have no degree of kinship or affinity, up to and including the fourth degree, with a professor from the relevant structure or with the Chancellor, the General Manager or a member of the University's Board of Directors;
- if enrolled in a Diploma di Laurea (DL), Diploma di Laurea Specialistica (LS), Laurea Magistrale (LM), PhD with study grant or medical specialisation, in Italy or abroad, to be aware that, in the event
- of awarding of the grant, attendance at such courses and the use of the PhD study grant are incompatible with the holding of the contract;
- to hold research grants awarded pursuant to Art. 22 of Law No. 240/2010;
- to hold contracts as fixed-term researcher pursuant to Art. 24 of Law No. 240/2010;
- to have attended a PhD indicating the period, University, date on which the qualification was obtained, cycle, exact title of the course and CUN Area;
- period of enjoyment of any PhD study grant;
- address to which communications concerning this competition are to be sent; it is mandatory to indicate a personal e-mail address as well;
- possible request to conduct the interview via videoconference indicating the phone number and motivation.

In the application for participating in the competition, the applicant, pursuant to Law No. 104 of 5 February 1992, must specify any aid necessary in relation to his/her need, as well as any need for additional time for the interview.

When submitting the application for participating in the selection, the applicant must annex the following documents:

1. a photocopy of the applicant's identity document in course of validity;
2. *curriculum vitae* in European format, dated and signed;
3. a list, signed by the applicant, of the publications and other research products, and other titles considered appropriate for the purposes of the selection such as specialisation degrees, certificates of attendance to postgraduate courses, obtained in Italy or abroad, contracts, study grant or research assignments both in Italy and abroad (cf. Annex B);
4. any publications, other research products or other titles that the candidate wishes to assert to the purpose of the procedure, numbered in progressive order matching the relating numbered list;
5. in the event of foreign applicant, it is necessary to annex: a copy of the residence permit (if the applicant is already in its possession).

For the abroad qualification, required for the purposes of selection admission, it's also necessary:



- in the event of qualifications already recognised as valid in the Italian territory, to indicate in the application **the details of the provision attesting the occurred recognition** pursuant to the applicable laws;
- in the event of qualifications not yet recognised attach to the application **one or more of the following documents**: a certified copy of the statement of qualification equivalence, issued by the competent Italian diplomatic and consular authorities abroad; the diploma supplement or transcript of record, legalized and written in Italian or in English; a copy of the qualification with a translation into Italian or English.

As regards all other qualifications obtained abroad which the applicant intends to provide for the selection as required by the call, it is necessary to annex to the application a copy of the qualifications. Each annex must be in PDF format and must not be larger than 30 MB.

Pursuant to Law No. 183/2011, the Administration cannot accept or request certificates, but only declarations in lieu of certifications or affidavits submitted in substitution of the actual certificates signed by the applicant and submitted together with an unauthenticated photocopy of the applicant's valid identify document. The Administration has the right to carry out suitable controls on the truthfulness of the contents of the declarations in lieu pursuant to what provided for by Presidential Decree No. 445/2000.

The requirements and the qualifications must be owned on the date of the expiry of the call.

It is mandatory to indicate a personal e-mail address to which the communications concerning this selection will be sent. Any variation of said address must be promptly communicated to the Selections Office (Servizio Assegni di ricerca).

#### **Article 6 Examining Commission**

The Examining Commission is appointed with Chancellor's decree, upon proposal of the Structure's Council, at the expiry of the deadline for submitting the application.

The Commission is authorized to carry out the on-line procedure, in the understanding that such method can be adopted until the conclusion of the relevant works, guaranteeing the security and traceability of communications.

#### **Article 7 Selection**

During its first meeting, the Examining Commission will establish the assessment criteria and procedures explicitly, according to what provided for by the call, fixing a minimum score for admission to the interview.

The overall assessment is expressed in hundredths, as indicated hereafter:

- up to a maximum of 60 points for qualifications and scientific-professional curriculum; to that end, the following will be object of assessment:
  - graduation vote;
  - PhD (if not already provided for as requirement for admission);
  - specialisation degrees and certificates of attendance to postgraduate courses, obtained in Italy or abroad;
  - publications and other research products;
  - documented research activities – as long as the beginning date and duration of the activities are duly certified – carried out at the premises of public and private subjects with contracts, study grants or assignments, both in Italy and abroad;
- up to 40 points for the interview.

Within the context of its autonomy, the Commission can integrate the above, depending on the research project and on what provided for by this call.

The Commission will evaluate, in particular, what is indicated in Annex A

The applicants will be informed before the interview on the results of the assessment of the qualifications.

The Commission reserves the right to carry out the interview via videoconference, using IT and digital tools, guaranteeing the adoption of technical solutions that ensure the publicity of the same, the identification of the participants, as well as the security of communications. and their traceability. Failed connection at the time established or late connection, unless due to force majeure, will be considered as a renunciation to participate in the selection.





## **Article 9**

### **Rights and obligations of the grant holder**

The employment relationship is governed by an individual contract, according to what provided for by the applicable laws and by the University's Regulations.

The research activity is flexible, it has a continuous nature, not merely occasional, and is carried out under the leadership of the Scientific Director, with autonomous conditions as to the research programme and its realisation, without any predetermined working hours.

The grant holder must refer to the Research structure that requested the activation of the contract.

The research activity of the grant holder is carried out within the context of the relevant Structure and in other Structures of the University based on the research programme. Any research activities conducted outside of the University must be approved by the Council of the Research structure.

A period of permanence abroad is allowed at one or more qualified universities or research institutes, upon prior authorisation of the Council of the Research structure. During the period spent abroad, the amount of the grant will be increased by fifty percent to be charged to the Structure of reference or to the funds assigned to the Research structure.

The grant holder can participate in all the activities programmed by the Research structure for the promotion of researches and the dissemination of relevant results; he/she can be a member of the profit exams commissions, in quality of expert.

The Research structure must provide the grant holder all necessary support for realising his/her research programme, guaranteeing access to the equipment, the necessary resources and the use of the technical-administrative services.

The grant holder must comply with what provided for by the University's applicable Regulations on research integrity and ethics.

The winner of the selection who is entitled to the grant, at the time of the signature of the individual contract, should be committed, under penalty of forfeiture of the right to the research grant, to confidentiality and preventive transfer to the University of all intellectual property rights relating to the results produced and/or achieved during the research activities carried out at the University and she/he has the right to be recognized as the author of the his/her results achieved and/or products. The University recognizes the application of the same economic conditions that the University Patent Regulation grants to its Professors/Researchers.

The research fellow may participate in activities performed on behalf of third parties pursuant to art. 66 of Presidential Decree 382/80, in the context of issues related to its project, and the distribution of related proceeds, in accordance with the current University Regulations on the subject.

## **Article 10**

### **Taxes, welfare, insurance and mission**

With reference to taxes, the grants are subject to what provided for under Art. 4 of Law No. 476/1984, while as regards welfare, they are subject to what provided for under Art. 2, paragraph 26 and following, of Law No. 335/1995, and following amendments. With reference to mandatory maternity leave, they are subject to what provided for by the Decree of the Ministry of Labour and Welfare of 12 July 2007, published in the Official Gazette No. 247 of 23 October 2007, and, as regards sickness leave, they are subject to what provided for by Art. 1, paragraph 788, of Law No. 296 of 27 December 2006, and following amendments.

In the period of mandatory maternity leave, the bonus paid by INPS pursuant to Art. 5 of the mentioned Decree of 12 July 2007 is integrated by the University up to the payment of the total amount of the research grant.

The University will cover the grant holder's accident insurance and civil liability toward third parties' insurance within the scope of his/her research activity.

The covering of the grant holder's mission expenses is financed through the funds of the Scientific Director in charge or the Research structure, according to the modalities provided for by the University's regulations as to missions.

## **Article 11**

### **Processing of personal data**

In accordance with articles 13 and 14 of Regulation (EU) 2016/679 (GDPR), on the protection of personal data, and with D. Lgs. n. 196 /2003 and subsequent amendments, it is made known that data



is controlled and managed by the legal representative of the University of Bergamo, via Salvecchio 19, - 24129 Bergamo.

Data will be collected exclusively for the present bid purposes and will be kept only for the necessary time to complete the relevant procedures. The data treatment controller will be appointed within the managing unit in charge of bidding procedure, who will carry out the treatment with all due respect of propriety, legitimacy, scope, transparency and confidentiality of the treatment; and data will be used exclusively for purposes connected to the selection and further conferment of the role and possible contract drafting, as well as management of the following employment position, in compliance with current regulations. Data will be kept for the necessary time to accomplish the selection purposes, subject to the application of norms on document retention, and will be transferred uniquely to public administration bodies directly concerned with the juridical and economic position of the selected applicant, treated in compliance with current regulations and used for personal, welfare, insurance and fiscal position management. Data will be handled by appointed staff through the acquisition of printed and electronic documents and using, even digitalised, filing procedures, to guarantee confidentiality; data treatment will be carried out through a coordinated organization and processing system, applying elevated safety standards. Furthermore, data will not be used for profiling. Applicants who have provided their personal data will be able to access it and exercise their rights as by art. 16 to 22 of GDPR UE 2016/679. Any safeguard request can be addressed to the University Data Protection Officer, who can be contacted through the university website (Privacy and Personal Data Protection section), e-mail [dpo@unibg.it](mailto:dpo@unibg.it). In addition to the right of complaint which can be presented to the Italian Data Protection Authority, Piazza Venezia 11, 00187 Roma.

By presenting their application, candidates thereby authorise and fully consent to publication on the University institutional website of all information concerning the current bid, their own data and the contents of their CV in accordance with 111-bis of D. Lgs.196/2003 stating that, within the scope limits defined by art. 6, par. 1, letter b), of the Regulation, consent is not due for personal data present in a submitted CV.

#### **Article 12**

##### **Reports of violations that harm the public interest or the integrity of the University**

In application of the provisions of Legislative Decree 24/2023, those who participate in the selection procedure have the possibility to report to the person responsible for the Prevention of Corruption and Transparency (RPCT) of the University any behavior harmful to the public interest or integrity of the Administration. The aforementioned reporting subjects and the entities they own, or for which they work, are guaranteed the protection measures referred to in Chapter III of the Legislative Decree 24/2023.

Whistleblowers are also guaranteed special protection of the confidentiality of their personal identity, provided that the reports are submitted through the dedicated channels set up by the Administration, i.e., through the specific IT platform accessible at the following web address: <https://unibg.whistleblowing.it/#/> or, alternatively, through the voice mailbox reachable at the following telephone number: 035.205.2160.

More information in this regard is available on the University's institutional website, in the Transparent Administration section, subsection other contents / Prevention of Corruption / whistleblowing.

#### **Article 13**

##### **Person in charge of the procedure**

The Person in charge of the selection procedure within this call is Dr. Isabella Arfiero of Personale TA e Collaboratori, Viale Papa Giovanni XXIII, 106 - 24121 Bergamo, phone (+39) 035 2052 594 - 583 - 878, e-mail address: [assegni.ricerca@unibg.it](mailto:assegni.ricerca@unibg.it).

#### **Article 14**

##### **Publication**

This call is published in the University's Official Registry, on the website of the Conference of the Italian University Chancellors ([www.cruui.it](http://www.cruui.it)), on the website of the Ministry of Education, Research and University (MIUR) at the link <http://bandi.miur.it>, and on the website of the European Union at the link <http://ec.europa.eu/euraxess> in the form of a notice.



The full competition and related annexed forms are available on the website of the University of Bergamo [www.unibg.it](http://www.unibg.it) under the specially devoted section "*Concorsi e selezioni-Assegni. Borse e contratti di ricerca-Assegni di ricerca*".

The call is also published on "*Piattaforma Integrata Concorsi Atenei*" (PICA) - link <http://pica.cineca.it/unibg/> from which it is possible to fill the application online for participation at the selection.

**Article 15  
Final provisions**

For all matters not provided for by this call, the following will be applied: Law No. 240/2010 and following amendments and integrations, the University's Regulations on the awarding of research grants, the University's Regulations in force, and the Regulations on employment relationships in the public administration.

*Bergamo, as per protocol registration*

THE CHANCELLOR  
(Prof. Sergio Cavallieri)  
Documento firmato digitalmente ai sensi  
dell'art. 24 del D. Lgs. 82/2005



**ANNEX A**

**RESEARCH PROJECT - CODE 1**

***“Reinforcing and implementing higher education in tourism: An analysis of existing supply and industry needs”***

**Research structure:** Department of Management, Information and Production Engineering  
**Department resolution:** 28.10.2024

**Resolution of the Academic Senate:** 11.11.2024  
**Resolution of the Board of Directors:** 13.11.2024

**Gross annual amount:** € 25.656,00

**Financial coverage:**

60DIGIP24 - 60KALC21

**Duration of the grant:** 12 months

**Scientific area:** 13 - Economics and Statistics

**Competition sector:** 13/ECON-07 Management

**Scientific disciplinary sector:** ECON-07/A Management

**Scientific director:** Prof. Michele Meoli

**Entry requirement:**

Laurea Specialistica (LS) o Laurea Magistrale (LM) ed equiparati, ovvero Diploma di Laurea (DL) conseguito secondo le modalità precedenti all'entrata in vigore del D.M. 509/1999 e s.m.i. e titoli equipollenti ai fini dell'ammissione ai pubblici concorsi.

**Knowledge of the language:**

Italian (native language or C2 level).

English (C1 level).

**Additional qualifications evaluated by the Commission:**

- First and/or second-level professional master programs in management engineering, management, tourism, education.
- Teaching experience in universities and/or other schools.

**Interview schedule:**

The interview agenda will cover the following topics:

- Tourism dynamics
- The role of higher education in the tourism sector
- The dynamics of the higher education industry in Italy (current state, challenges and opportunities)
- Quantitative and qualitative research methodologies applied to tourism

**Aims:**

- To map academic courses in tourism offered by Italian universities and to check their alignments with current industry needs.
- To identify the training needs of professors teaching tourism subjects in secondary schools.
- To define development trajectories in tourism education by analysing national and regional tourism systems.

**Theoretical framework:**

Tourism is a key industry for Italy. It can amplify investments' impact on Gross Domestic Product (GDP), employment, and country reputation. The sector directly and indirectly generates 5% and 13%



of the national GDP. The national tourism industry also directly and indirectly accounts for 6% and 15% of all jobs.

The national strategic tourism plan for 2023-2027 identifies education as a key lever to increase tourism competitiveness and the (direct and indirect) effects on related sectors. The plan prioritises developing new educational approaches for vocational training and strengthening higher education.

### **Description of the research project:**

The research project has three phases:

*Phase 1* consists of mapping academic courses in tourism offered by Italian universities - i.e., first-cycle, second cycle, and single-cycle degrees, and first and second-level professional master programs). The analysis identifies educational objectives, curricula, subjects, and career prospects and compares them with available data and information from tourism observatories and strategic development plans. Findings from the analysis will allow to check the alignment of tertiary education with sector needs and identify training gaps.

*Phase 2* analyses the training needs of professors teaching tourism subjects in secondary schools, including tourism technical institutions and professional schools for hospitality and catering services. The study uses quantitative and qualitative methodologies to identify needs. Findings will show educational areas that require specific actions to align knowledge and competencies with Industry needs and upgrade teaching approaches.

*Phase 3* defines development trajectories in tourism education. Ad hoc studies on national/regional tourism systems and specific market segments supplement findings from previous analyses. Results will deepen the understanding of the industry and its needs and allow the identification of future developments in tourism education regarding required competencies, knowledge, and teaching approaches.

### **Timetable:**

Months 1-3

- The mapping of the academic courses in tourism offered by Italian universities.
- The comparative analysis of the academic course, available data and information from tourism observatories and strategic development plans for identifying existing gaps.
- The definition of the analyses on tourism systems (e.g., areas, themes, methodologies).

Months 4-8

- The mapping of the secondary education courses in tourism.
- The empirical research - definition of the sampling method, questionnaire preparation, data collection and analysis.
- Analysis of the tourism systems.

Months 9-12

- Validation/implementation of previous results.
- Preparation of scientific publications.

### **Expected Results:**

To understand the academic courses in tourism offered by Italian universities and their alignments with current industry needs.

To identify the training needs and gaps of professors teaching tourism subjects in secondary schools.

To define development trajectories in tourism education also according to national and regional tourism systems.



## RESEARCH PROJECT - CODE 2

### *"Integrated systems for rainwater harvesting and reuse in buildings."*

**Research structure:** Department of Engineering and Applied Sciences

**Department resolution:** 23.10.2024

**Resolution of the Academic Senate:** 11.11.2024

**Resolution of the Board of Directors:** 13.11.2024

**Gross annual amount:** € 25.000,00

**Financial coverage:**

60DISA24 - fondo di ricerca di Ateneo "Impiego di sistemi e tecnologie di realtà aumentata per il settore delle costruzioni edili", codice 60RUSC23

**Duration of the grant:** 12 months

**Scientific area:** 08 - Civil Engineering and Architecture

**Competition sector:** 08/CEAR-08 Design, Architectural Technology, Architectural Engineering and Management of Built Environment

**Scientific disciplinary sector:** CEAR-08/A Architectural Engineering

**Scientific director:** Prof. Davide Prati

**Entry requirement:**

Laurea Specialistica (LS) o Laurea Magistrale (LM) in Ingegneria dei sistemi edilizi (classe LM-24 o 28/S Ingegneria civile), o in Architettura e ingegneria edile-architettura (classe LM-4 o 4/S Architettura e ingegneria edile), o in Ingegneria per l'ambiente e il territorio (classe LM-35 o 38/S) ed equiparati, ovvero Diploma di Laurea (DL) conseguito secondo le modalità precedenti all'entrata in vigore del D.M. 509/1999 e s.m.i. e titoli equipollenti ai fini dell'ammissione ai pubblici concorsi.

**Knowledge of the language:**

English

**Additional qualifications evaluated by the Commission:**

- Ph.D.
- Relevance of the previous research activity or thesis to the topics of the project.
- Previous work experience in the field of building production.

**Interview schedule:**

The interview will focus on the following topics: basic knowledge of building elements and chemical foundations of technology for materials. Particularly, the focus will be on the methods, technologies and systems for the harvesting and treatment of rainwater.

**Description of the research project:**

The Italian climate is certainly not short on rainfall, yet rainwater is not perceived as a possible resource. On the one hand, inadequate land management does not make it possible to cope with extreme meteorological events, which could be mitigated by better management and adequate storage of rainwater on a land and urban scale. On the other hand, more than one-third of the water supplied into the water distribution network is lost (Istat data for 2019-2021). While interventions related to the land or distribution networks involve the regions or water service providers, interventions at the building scale can lead to results that can be implemented in design interventions or upgrading the built heritage, supporting a broader and more complex framework. At the scale of the building or urban area, it is also easier to activate the participation of small communities, triggering virtuous systems for the integrated management of water resources, analogous to CERs (Renewable Energy Communities).



As part of a more proactive and participatory circular economy, among the measures Italy is implementing, we can point to the practice of reusing refined wastewater. This practice is a circular economy measure that has been implemented for some time and is governed by the Decree of the Minister of the Environment and Land Protection No. 185 of 12 June 2003 ("Regulation containing technical standards for the reuse of wastewater"). With the Regulation of the European Parliament and of the Council No. 2020/741 of 25 May 2020 laying down minimum requirements for the reuse of water, minimum requirements were defined for the first time at the European level for the use of so-called reclaimed water, i.e. treated and refined wastewater, for agricultural purposes. Currently, regulatory action is being taken to produce a new standard that differs in several respects from the 2003 document (scope and intended use, introduction of the risk management approach, categories of responsible parties, different types of approach for water quality verification purposes) to encourage more widespread harvesting and reuse of rainwater and wastewater. At the national level, reference is made to Legislative Decree 152/2006 (Environmental Regulations). For Lombardy, Regional Regulation no. 2 of 24 March 2006 applies.

As ongoing climate change makes water supplies increasingly uncertain and erratic, the situation in regions already under water stress will worsen, and it will become increasingly critical in those regions where resources are generally abundant. Global water use will continue to grow at a steady rate of about 1% per year. An efficient and sustainable water supply chain could provide an immediate answer to the problem. Properly harvesting and reusing rainwater and/or greywater would guarantee significant water savings (at least 50%) for uses that do not involve drinking water.

However, the natural processes that regulate the flow and infiltration of rainwater are still poorly understood and the subject of research, even at the international level. Even from a technical point of view, rainwater treatment solutions are still the subject of experimentation and study and still suffer considerable uncertainty.

The aim is to investigate and develop sustainable water management to mitigate the surface runoff of rainwater at the urban scale, minimising the impact of urbanisation on water infiltration and evaporation processes. This is intended to mitigate anthropogenic interference with the natural cycle of water. It is, therefore, essential to comply with the CAM (Minimum Environmental Criteria) and take into account the principle of hydraulic invariance, which requires that the flow rate at the flood elevation that results from the drainage of an area must be constant before and after the planned land-use change in that area.

The starting point should be an accurate typological analysis of residential buildings (or compounds) in the regional, national and international landscape in relation to their rainwater harvesting potential. This would make it possible to relate urban ecosystems to good practices and best water management techniques, both technologically and in terms of construction. As is well known, while new regulations already provide integrated interventions for sustainable water management, working on the existing heritage would mitigate the undeniable problems that our urbanised areas face. To this end, the elaboration of building stock archetypes can allow the development of new models to implement regeneration processes and design future water consumption.

The focus of the research project is on the identification of innovative and compatible solutions for the design of renovation projects for existing buildings that propose alternative uses for reclaimed rainwater while guaranteeing its reusability. The scenarios to be investigated are the storage methods (in height, on the ground, in walls) and the reuse methods through new plug-and-play plant systems that can improve the building's energy and/or seismic performance. The design of modular façade components must be developed from a parametric and iterative perspective using "intelligent" or generative algorithms.

The expected outcome is a shared set of water performance indicators, coupled with criteria for the feasibility of interventions that enable key actors and stakeholders at different levels to ensure high-quality water cycle management, compliance with regulations, and following and guiding processes cost-effectively. A long-term objective is also to trigger bottom-up awareness-raising and monitoring procedures on this issue.

A research project in this field intends to take as its starting point the analysis and study of the efficient systems available to reduce water waste within buildings for all domestic uses compatible with the reuse of reclaimed rainwater, as well as in outdoor spaces for irrigation systems. Best practices already widespread should also be identified, i.e. a solid overview of the technologies already



available for the innovative reuse of reclaimed water. A literature review of the Italian and international context to identify the "state of the art" will be flanked by a consumption monitoring campaign in specific public housing case studies through the involvement of interested stakeholders (public housing agencies, for example). Instrumental monitoring can also be combined with a data acquisition campaign to determine user habits. From the sustainability perspective in which social sciences are becoming increasingly important (2030 agenda for the SDGs), adopting tools and methods derived from cultural anthropology and applied ethnography allows for a better understanding of the real behaviour of users, who often do not act in a fully aware manner.

This interdisciplinary research has the following objectives, divided into the following phases:

- Review and analysis of the most widespread methods of rainwater harvesting within buildings or their clusters, with related cost-benefit analysis;
- Identification of any critical issues present in currently available solutions in order to improve them or find valid alternative solutions;
- Understanding the limits imposed by current national and European regulations on rainwater harvesting;
- Enhancement of the 'water cycle' from different perspectives, first and foremost the technical and technological one, by developing effective and efficient systems for rainwater harvesting and reuse;
- Development of integrated rainwater reuse systems aimed at the sustainable renovation and upgrading of existing buildings and aggregates.

The research project aims to define new practices for harvesting rainwater and its reuse. In addition to defining a state-of-the-art knowledge framework, the aim is to assess the technical feasibility of reusing rainwater harvesting for secondary (non-drinking) consumption and integrated systems for seismic or energy upgrading of buildings. The most innovative aspect is to be found in the definition of new parameterized façade systems (or in the integration of existing systems) to upgrade the building heritage, with particular reference to reinforced concrete residential buildings. The main impact is expected in relation to the integration of this study with the sustainability paradigm. The project is interdisciplinary and intercepts other departmental research lines from which it can borrow and integrate results and provide new impulses and development.



### RESEARCH PROJECT - CODE 3

#### ***"The role of rankings and ratings: a study on how evaluators' strategic preferences influence their judgments in the global gastronomy industry"***

**Research structure:** Department of Management

**Department resolution:** 28.10.2024

**Resolution of the Academic Senate:** 11.11.2024

**Resolution of the Board of Directors:** 13.11.2024

**Gross annual amount:** € 28.320,00

**Financial coverage:**

Bilancio di Ateneo - cod. progetto ASSEGN02224SRDIPSA - CUP: F53C22000670005.

**Duration of the grant:** 36 months

**Scientific area:** 13 - Economics and Statistics

**Competition sector:** 13/ECON-08 Organization Studies

**Scientific disciplinary sector:** ECON-08/A Organization Studies

**Scientific director:** Prof. Stefano Basaglia

**Entry requirement:**

Laurea Specialistica (LS) o Laurea Magistrale (LM) in Scienze economico-aziendali (classe LM-77 o 84/S Scienze economico-aziendali) ed equiparati, ovvero Diploma di Laurea (DL) conseguito secondo le modalità precedenti all'entrata in vigore del D.M. 509/1999 e s.m.i. e titoli equipollenti ai fini dell'ammissione ai pubblici concorsi.

**Knowledge of the language:**

For individuals whose native language is Italian or any language other than English: proficiency in English is required.

**Additional qualifications evaluated by the Commission:**

Aptitude for research, along with knowledge of the project's subject matter, as well as knowledge in organizational theories, sociology of organizations, and strategic management, all of which are essential for the project. Degree of alignment between the academic degree and the fields of international business, management, or organization studies.

**Interview schedule:**

The interview will focus on the candidate's knowledge of the research topics and qualitative-quantitative research approaches. Specifically, the Committee will evaluate the candidate's expertise in the gastronomy industry and the rankings and ratings system.

**Description of the research project:**

In today's information-saturated world, the consumption choices made by individuals and social actors are increasingly shaped by evaluations provided by critics, experts, or end-users. These evaluations play a crucial role in determining the success or failure of products and services, as well as in shaping the reputations and careers of those who offer them in the market. Evaluators thus act as powerful agents of social stratification across various sectors.

This research project aims to analyze the social construction of evaluations and the role of gatekeepers in our society. Specifically, it focuses on rankings and evaluations in the culinary field, an area where critics and gastronomic guides hold positions of authority. The project will explore how these actors not only influence consumer preferences but also how they construct and legitimize their roles within the culinary field. Through the analysis of the criteria used in evaluations and the dynamics of mutual influence among experts, the study aims to reveal these processes, flows, and influences by examining the relationship between local and global levels through both qualitative and quantitative methods.



## RESEARCH PROJECT - CODE 4

### ***"Assistive Technologies for the autonomy of the person with disabilities, throughout the lifespan"***

**Research structure:** Centro per la qualità dell'insegnamento, dell'innovazione didattica e dell'apprendimento (CQIIA)

**Department resolution:** 24.10.2024

**Resolution of the Academic Senate:** 11.11.2024

**Resolution of the Board of Directors:** 13.11.2024

**Gross annual amount:** € 25.000,00

**Financial coverage:**

CQIIA-IDEA2326

**Duration of the grant:** 24 months

**Scientific area:** 11 - History, Philosophy, Pedagogy and Psychology

**Competition sector:** 11/PAED-02 Educational Research, Didactics, Special Pedagogy and Experimental pedagogy

**Scientific Disciplinary Sector:** PAED-02/A Didactics and Special pedagogy

**Scientific director:** Prof.ssa Serenella Besio

**Entry requirement:**

Laurea Specialistica (LS) o Laurea Magistrale (LM) ed equiparati, ovvero Diploma di Laurea (DL) conseguito secondo le modalità precedenti all'entrata in vigore del D.M. 509/1999 e s.m.i. e titoli equipollenti ai fini dell'ammissione ai pubblici concorsi.

**Knowledge of the language:**

English

**Additional qualifications evaluated by the Commission:**

- Knowledge of the topics indicated in the interview program
- Knowledge of the use of national and/or international databases of Assistive Technologies
- Professional experience in the development, creation, support for the choice and/or use of assistive technologies

**Interview schedule:**

- Assistive Technologies: definition, classification.
- Models and methodologies for the evaluation, selection and monitoring of the use of Assistive Technologies.
- Assistive Technologies and Artificial Intelligence.
- Training models for the area of Assistive Technologies.
- Assistive Technologies and the rights of persons with disabilities.

**Description of the research project:**

Persons with disabilities have the right to a full and independent life. To achieve these goals, it is necessary to remove the environmental and instrumental barriers. Assistive Technologies represent one of the most effective tools, referring to products or services that are indispensable for people with disabilities in carrying out activities and participating in society.

The research project aims to

- study existing models for the evaluation, selection and use of Assistive Technologies by persons with different types of disabilities, throughout the course and in different contexts of life;



- analyze and study the changes - current and potential - introduced in the Assistive Technologies sector by the advancement of Artificial Intelligence;
- study and test an effective, functional and flexible training model on Assistive Technologies, capable of considering the different typologies, the life contexts in which they must be used, the related technological innovations. The model must also respond to the need of balancing theoretical knowledge and related practical skills, pursuing the achievement of real competence.