



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. 8 Experienced grants for conducting research pursuant to art. 22 of law no. 240/2010 at the Departments at the University of Bergamo – Pica Code: 24AR050

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. 8 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:**

- **3rd cycle degree: PhD (see the following Annex A).**
- **knowledge of one or more foreign languages (see the following Annex A).**

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 (CUN Area for PhD qualifications) – 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**, must proceed with these indications:

Apply to the University of Bergamo for the equalization of the training course and the release of the final parchment through the instructions published at the following link:

<https://www.unibg.it/ricerca/lavorare-ricerca/dottorati-ricerca/isciversi-dottorato>

The University of Bergamo can recognize a PhD degree just in case of relevance to the ones already activated at the University of Bergamo. For the other PhD degrees offered by Italian Universities, refer to the link: <https://www.universitaly.it/index.php/public/cercaOffPL>.

After obtaining the equivalence, the candidate must request the "Certificate of Comparability" from the CIMEA (Academic Equivalence Mobility Information Center), by registering on the Center's website via the link that will be provided by the undersigned Administration.

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 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. 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 documents for publications and 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 in 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 Annex A, indicating the CUN Area of PhD, 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 needs 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 and Legal Management (Servizio Personale TA e collaboratori).

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 online 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, through the use of 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.



During the interview, the Commission will verify the applicant's ability to cover the topics and themes related to the research project and his/her knowledge of at least one foreign language, according to what provided for by the call.

The interview program is indicated in Annex A

The assessment of the knowledge of the foreign language (or foreign languages) as provided for by this call will be carried out during the selection according to the modalities established by the Commission.

The Commission reserves the right to verify the knowledge of the Italian language for foreign candidates; in this case, Italian language knowledge will be ascertained under ineligibility penalty and will not compete for the final score, unless otherwise established by the Commission

The date and place of the interview will be communicated with at least a 20-day notice through a communication published on the website of University of Bergamo <http://www.unibg.it>, under the section "Concorsi e selezioni-Assegni. Borse e contratti di ricerca-Assegni di ricerca" supervised by the Servizio Assegni di ricerca.

This notice is to all intents and purposes an official communication. Any changes related to the date of the interview will be communicated to the admitted applicants with at least a 20-day notice through the publication of a communication on the University's website under the section "Concorsi e selezioni-Assegni. Borse e contratti di ricerca-Assegni di ricerca".

Failure to show up at the interview will be considered as a renunciation to participate in the competition for all practical purposes.

At the end of the works, the Commission draws up the list of the applicants examined, indicating the votes obtained during the interview.

The Commission will draft the merit list in descending order according to the overall final score, which is obtained by adding the score of the qualifications and the score of the interview.

Applicants will be inserted in the merit list if they obtain at least 30 out of the 40 points available for the interview.

In the event of equal score, the PhD or equivalent qualification obtained abroad will constitute a preferential qualification, if not required for admission; in the event of equal merit, the younger applicant will be preferred.

The merit list is approved, under the condition precedent of verifying the requirements provided for by the call, with Chancellor's Decree and published on the website under the section "Concorsi e selezioni-Assegni. Borse e contratti di ricerca-Assegni di ricerca". The term for submitting any appeals will run from the date of publication.

Should the winning applicant renounce to or withdrawal from the contract, the grant can be awarded to successful applicants according to the order of the merit list, upon prior resolution of the Research Structure.

Article 8

Signing of the contract and withdrawal

The winning applicant, in possession of the mentioned requirements, will sign an autonomous work contract under private law with effect, normally, on the first day of the month following the month in which the acts are approved.

As regards foreign applicants needing a residence permit, the date of beginning of the contract will be postponed and subject to the completion of the issuing procedure of said permit.

In the case of conditional admission for the achievement of an abroad qualification not recognized as valid in Italy, the winner, before signing the contract, must produce the required documentation the terms peremptorily established

The winner of the selection, convoked by the Administrative Office to sign the contract, will lose the right to the grant for collaboration in research activities if he/she does not state to accept the contract or does not begin the activity within the established term, without prejudice to health reasons or causes of force majeure duly and promptly documented.

Each grant as mentioned under Art. 1 can be renewed, under the terms and conditions provided for by the above mentioned Regulations; in any case, the relationship established pursuant to Art. 22 of Law No. 240/2010, including the possible renewal, cannot last more than six years, including the possible



renewal, with the exclusion of the period in which the grant was used in coincidence with the PhD within the maximum limit of the legal duration of the relevant course.

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 on the basis of 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.

The data, not subject to profiling, will be processed by the appointed personnel through the acquisition of documents in paper and electronic form and through archiving procedures, including computerized ones, which will guarantee their confidentiality; the data processing will be carried out with related organization and processing logics and high security standards will be adopted. Candidates who have provided their data will be able to access them and exercise the rights provided for by the art. 16 to 22 from the EU GDPR 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), at e-mail 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 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.

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.cru.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 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

"The perception of the Other between (re)narration and translation in the post-pandemic era"

Research structure: Department of Languages, literatures and cultures

Department resolution: 29.10.2024

Resolution of the Academic Senate: 11.11.2024

Resolution of the Board of Directors: 13.11.2024

Gross annual amount: € 24.300,00

Financial coverage:

TRAILSMACI18, STARS2022AZ1SR CUP F54I19000980001, LSPLINGMACI20@, CADAAD22

Duration of the grant: 23 months

Scientific area: 10 – Antiquities, philology, literary studies, art history

Competition sector: 10/ANGL-01 English and anglo-american studies

Scientific Disciplinary Sector: ANGL-01/C English Language, Translation and Linguistics

Scientific director: Prof.ssa Stefania M. Maci

Entry requirement:

Dottorato di ricerca in Area Cun 10 Scienze dell'antichità, filologico-letterarie e storico-artistiche.

Knowledge of the language:

English language at a C2 level of the Common European Framework.

Additional qualifications evaluated by the Commission:

- Excellent knowledge of the scientific literature in relation to translation and intercultural studies.
- Papers presented at international conferences relation to translation and / or intercultural studies.
- A strong competence in intercultural issues (verified through published translations and research contracts abroad).
- PHD SSD L-LIN/12 related to translation.

Interview schedule:

- Translation.
- Creative writing.
- Cross-cultural studies.

The interview will be conducted in English.

Description of the research project:

1) Objective:

After the first economic and then migratory crisis and the increase of terrorist attacks by second and third generation migrants, there has recently been an exacerbation of anti-immigration sentiment in Europe. The perception of ethnic diversity has started to be associated with threats, the notions of integration and inclusion have been problematic at their roots and consequently also the very concept of citizenship. The health emergency on a global scale, and the strengthening of feelings and practices of solidarity, could blunt the ethnically based stigmatization of immigrants.



The main objective of the project is the representation of migrants' voice in the post-pandemic period in Italy and Europe in order to explore how this emergency situation has affected the perception of otherness.

Furthermore, with the need for all people who travel with an aim to reside in countries of their choice without experiencing discrimination to participate equally in society and economy, as well as have equal opportunities and enjoy their human rights, it is important to investigate ways in which accessibility can be sustainable and multifunctional. The European Commission (2021) has recognised this need for all people in its latest "Strategy for the rights of persons with disabilities 2021-2030".

The main hypothesis that this research aims to test is the paradigmatic change that leads to a less clear and conflictual perception of otherness due to environmental and climate phenomena involving the whole world community and therefore to a problem of anthropocene (Baldwin, 2019). Furthermore, the project further investigates ways in which all people can enjoy the cultural infrastructures of a country as equally as possible. This includes suggesting sustainable routes for the linguistic and sensory access of tourists, migrants, and disabled people in cultural infrastructures, taking into consideration the technical, financial, and social parameters of such an approach, with the adaptation of INCLUDE framework (Patiniotaki, 2019) for cultural infrastructures.

2) Theoretical framework:

In its main intent to define the terminology of migrant/environmental/eco- refugee, the research will rely on the techniques of corpus linguistics (McEnery and Xiao 2006) which allows the exploration of a wide range of data from a comparative perspective. Furthermore, this research aims to analyse the suggestions of professionals along with the needs of hosting organisations and the target audience, in order to propose a model for reversed accessibility in culture that will cater for more people.

In the purely linguistic analysis, the research in question will be placed in the field of translation and discourse analysis.

Based on the concept of narrative as a literary category, the approach is rather social or sociological narrative (Baker 2006; Harding 2012) – i.e., based on a much broader and constructivist understanding of narrative as the only way to make sense of the world and our place in it (Baker 2014). Translation is seen a form of re-narration that constructs the events and characters that are then re-narrated in another language and culture. In this perspective, translators, mediators and interpreters intervene in the processes of narration and re-narration that constitute all cultural encounters, and that essentially construct the world for us.

When it comes to services for linguistic and sensory access, these services, if planned and offered based on the adapted INCLUDE framework, could serve many more people than the target group initially determined through their nature. Previous studies on the topic focus mostly on the making of the services in such contexts, but many of them highlight the potential of the services in widening the audience that experiences accessible content. Orero and Matamala (2007) specifically suggest the inclusion of access service providers in production teams (as, for instance, audio description for blind people, which could be a multifunctional audio description serving different groups at several levels, e.g. language learning, education, cultural integration, entertainment, and more). In parallel, it is expected that the research will highlight the need to standardise a route for the implementation of access services, while it also aims to discuss the costs and the gains that may emerge from the implementation of such an approach.

3) Research project description:

By positioning itself at a crucial moment of our history in which isolation and inclusion appear as polarised and politicized tactics amidst a global resurgence of the far right, this research responds to a tendency towards the viewing of refugees as victims, 'which runs the risk of the refugee being perceived as a frozen identity, an "other", who needs to be helped by an "us" – in other words, a lingering colonial gaze' (Johansson and Bevelander, 2017). The study intends to explore counter-narrative spaces (e.g. digital narratives; translations; blogs; video-narrations) considered as responsible for an ethical representation against mainstream media.

The data for the analysis will be collected bearing in mind the following hypothesis: can shifts towards eco-translatology and eco-narration be identified as a result of these co-occurring crises? How are



migration museums functioning as engaged zones of politically (re)active representation? How do these institutions collaborate with migrants to ensure ethical narratives; in other words, what are the translating practices in use that influence the constructions of narratives in mediated events (by translators or interpreters); finally, how can these narratives (of diversity, otherness, belonging) influence the representations of the self and the other?

Due to the limited duration of the project, further developments of the present research will be carried out mostly in the form of collection and analysis of data via observation. This will include a presentation of the current needs for linguistic and sensory accessibility along with the social parameters of the living conditions of the target population. This will be followed by an investigation of how services are currently provided, in search for the most complete cases to refer to as close paradigms. The next stage will include interviews with organisations that have attempted to offer complete accessibility solutions. These interviews, combined with the observation and analysis of the first stage, will guide the adaptation of the INCLUDE framework at three stages: a) for equal sensory access, b) for equal linguistic access, c) for equal access to the content for a wider audience and to satisfy further needs.

Based on the above, this research is considered interdisciplinary because of the need to draw from various knowledge areas, as understood by Klein and Newell (1998). The project shall also be considered descriptive in its first half, according to Calderon (2006), and applied in the second half on the basis of proposing sustainable solutions.

Keywords: Migration; Anthropocene; Translation; Environment

4) Timeline:

Starting from the data and results of the first 28 months of the already concluded post-doc grant, and in light of the appendices that are now to be developed, the project will have the following steps: Part 1 (9 months): this part provides for the conclusion of the previous project and provides the basis for its expansion in terms of accessibility and inclusiveness. In this phase a call for new migrant narratives in the post-pandemic period will be opened in order to analyse the perception of otherness in the post-pandemic period. This phase will be accompanied by ethnographic material through ad-hoc interviews.

Part 2 (4 months).

- a. Collection and analysis of data on the target groups and their linguistic and sensory access needs;
- b. Collection and analysis of data on professionals and organisations or cultural groups that have attempted to implement accessibility services for their audiences in a comprehensive or ongoing or other paradigmatic way that promotes social inclusion.

This part should last four months.

Part 3. (7 months) Analysis of collected data and design of reverse accessibility models for cultural infrastructure. This part is expected to last seven months.

Part 4. (3 months) Complete project draft with suggestions per type of cultural infrastructure. This part is expected to last three months.

5) Expected results:

This research suggests that the pandemic will have instigated a shift towards the preservation of peoples and planet that comes to be entwined in the (re)narration of migration. The results are expected to reveal that narratives of inclusion and individualism will seek to outweigh the previously separate and isolated narratives of migrants as cultural 'others' or 'victims', and that ecological shifts can be identified in the ways in which migration museums portray such narratives in a post-pandemic era.

This research also suggests that accessibility provisions can be designed and provided in ways that will satisfy many more people than what they were originally intended to satisfy. It proposes a framework based on which services can be designed with many more parameters in mind, i.e. linguistic, cultural, social, and educational. At the same time, such an approach will allow further than the commonly recognised qualities of access services to be highlighted. It will also allow a multilingual



design behind the provision of access services with the aim to allow tourism to grow by making cultural infrastructures both global and accessible.

The objective is to find out whether efforts to individualize and de-colonialize migrant narrative may be identified in migration museums and how such changes are implemented. The timely nature of the research is expected to identify marked ecological, political and humanitarian shifts in the roles of the involved agents (museum curators, translators, migrants) in their representation of the narratives of migration.

The research is expected to illustrate that, in the post-pandemic era, such representation is forcibly political and that initiatives to counter mainstream narratives are implemented. The contrastive analyses of such sites – digital and otherwise – is expected to reveal re-narration, self-narration and an ecological and humanitarian turn in the representation of migration, as a direct result of the current crises.

The research is also expected to illustrate that designing linguistic and sensory access from the design stage of a cultural infrastructure may also reduce relevant costs and increase functionality in society. Taking professionals and host organisations' views from existing publications into consideration will allow a practical approach with all limitations considered. Finally, proposals for implementation shall be provided by type of cultural infrastructure, with the hope to cover as many scenarios as possible. The research shall thus contribute to the smooth co-existence of migrants and local populations, disabled and non-disabled people, in culture, and suggest ways in which such an approach can enhance independence, social participation and well-being.

The shift towards collaborative rather than hierarchical positionality of the agents involved will be evident as well as the same trend will be desirable in translation with the figure of the translator as a social agent acting in synergy with other professional figures.

The research contributes to the concerted efforts of the UNHRC and the EU of re-humanizing the migrant figure through representation in stories, as opposed to statistics and, perhaps most importantly, providing platforms for migrants to communicate their own stories.

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**UNIVERSITÀ
DEGLI STUDI
DI BERGAMO**

Area Risorse
Umane

Settore Gestione Giuridica del Personale
Servizio Personale TA e Collaboratori

Perrino, S. 2019. " Narrating Migration Politics in Veneto, Northern Italy," Narrative Culture: Vol. 6: Iss. 1, Article 4.

Romero-Fresco, P. 2019. Accessible Filmmaking: Integrating translation and accessibility into the filmmaking process. London: Routledge



RESEARCH PROJECT - CODE 2

"Development of advanced dynamic cell culture systems for unravelling the mechanobiology of intimal hyperplasia in vascular diseases."

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: € 25.000,00
Financial coverage:
ASSEGNI2324EXP, CUP F53C23000190005

Duration of the grant: 24 months

Scientific area: 09 - Industrial and information engineering
Competition sector: 09/IBIO-01 - Bioengineering
Scientific disciplinary sector: IBIO-01/A - Bioengineering

Scientific director: Prof. Andrea Remuzzi

Entry requirement:
Dottorato di ricerca di area CUN 09 - Ingegneria industriale e dell'informazione.

Knowledge of the language:
English

Additional qualifications evaluated by the Commission:

- Proven knowledge of data processing and analysis methodologies (e.g. statistical techniques).
- Proven knowledge of cell behavior analysis methodologies.
- It is an advantage, but not necessary, to have publications in the disciplinary sector IBIO-01/A - Bioingegneria (ex IND-IND/34 - bioingegneria industriale).

Interview schedule:

During the interview, the candidate must demonstrate his/her knowledge and skills pertinent to the project topic. English language level will be assessed during the interview.

Description of the research project:

There is a critical need to mechanistically understand the role of dynamical mechanical stresses acting on all types of cells comprising the vascular wall in the field of vascular access for haemodialysis (AVF: arteriovenous fistula).

The topic remained almost unexplored and the multiple knowledge gaps in this field still need to be filled. In order to take a significant step forward, it is essential to understand the adverse remodelling of the vascular wall. It is therefore essential to shift the focus from stresses at the vessel wall in isolation, to stresses occurring both at and within the wall in combination, and to isolate the effects of the latter. More specifically, we need to: i) determine the range of vibration frequency and amplitude in patient's AVFs; ii) understand the effects of different vibration frequencies and amplitudes on endothelial (EC) and smooth muscle (SMC) cells biology, both separately and combined; iii) provide evidence on the interplay between ECs and SMCs and the mechanotransduction of the stimuli.

Therefore, the project aims to elucidate the role of vascular wall vibrations in AVF stenosis development, by experimentally studying the effects of vibrations in two complementary purpose-designed systems for cell stimulation and ex-vivo AVF perfusion where the response of SMCs to vibrations can be studied deeply in isolation.



RESEARCH PROJECT - CODE 3

"The Botanical Turn: A New Imaginary of the Garden and Landscape in Modern French Literature"

Research structure: Department of Letters, philosophy, communication

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: € 25.020,00

Financial coverage:

ASSEGNO24AN2DLFC CUP: F53C24000110005

Duration of the grant: 12 months

Scientific area: 10 – Antiquities, philology, literary studies, art history

Competition sector: 10/Fran-01 – French language, literature and culture

Scientific Disciplinary Sector: FRAN-01/A French Literature

Scientific director: Prof.ssa Francesca Pagani

Entry requirement:

Dottorato di ricerca di area Area Cun 10 – Scienze dell'antichità, filologico-letterarie e storico-artistiche

Knowledge of the language:

French

Additional qualifications evaluated by the Commission:

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Interview schedule:

The interview will consist of a discussion regarding the candidate's curriculum vitae, qualifications, and any publications, aimed at assessing their specific skills relevant to the research program, as well as their language proficiency. Special attention will be given to verifying their knowledge of 18th and 19th-century French literature and related interdisciplinary themes.

Description of the research project:

The project aims to re-examine the relationship between garden and landscape in light of what we can define as the 18th-century "botanical turn." The evolution of botany, primarily through the studies of Linnaeus and Jussieu, leads to a new approach to the understanding and conception of the plant world, which reverberates across all fields of knowledge, including literature. The botanical turn, associated with the imagery linked to plant and especially floral symbolism handed down by artistic and literary tradition, generates a new relationship between the individual and nature. This occurs while, on one hand, the neologism "landscape" and its specificity—distinct from "country"—is established, and on the other hand, reflections on the English garden spread, which combine with a particular cognitive experience based on the senses and emotions.

Through the collection and precise analysis of texts, the candidate must address the project's premise: the 18th-century epistemological shift redefines the conception and representation of landscape and garden in literature. The emblematic and seminal case of this approach is represented by Jean-Jacques Rousseau: while his influence on subsequent authors is well known, the specific relationship he establishes between the subject and nature through botany, and consequently the



literary representation and creation of a garden-landscape-world where the particular merges into the universal, has not been thoroughly investigated.

The aim of the research is to verify how this approach plays a key role in constructing the literary imagination related to the 18th and 19th-century garden and landscape and can represent a new theoretical perspective for re-reading Romantic authors and contributing to the contemporary critical debate.



RESEARCH PROJECT - CODE 4

"Public value creation through strategic planning in universities: a field study"

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: € 25.000,00

Financial coverage:

ASSEGN12324EXP – CUP: F53C23000190005

Duration of the grant: 24 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. Luca Carollo

Entry requirement:

Dottorato di ricerca in Area CUN 13 – Scienze economiche e statistiche e Area CUN 14 – Scienze politiche e sociali

Knowledge of the language:

Italian and English

Additional qualifications evaluated by the Commission:

Skills in qualitative research, evidenced by publications in organizational and social sciences in national and international journals, with an empirical approach involving data collection and analysis/interpretations.

Interview schedule:

The interview will focus on the knowledge of qualitative research techniques and methodologies, and on candidates' previous knowledge or experiences pertaining to organizational and/or business contexts. Although it is not an essential prerequisite, familiarity with Action Research methodologies will be considered a plus by the Selection Committee.

Description of the research project:

The concept of public value refers to the value that an organization is able to generate for society and has become one of the cornerstones of organization studies and public administration literature in recent years. However, the concept of public value remains somewhat elusive and challenging to define in precise terms. Each public administration must find a way to identify, define, and operationalize its contribution to society to ensure its proper functioning in alignment with principles of efficiency and effectiveness. Recently, in Italy the concept of public value gained particular relevance in the planning activities of public administrations with the implementation of the Integrated Plan of Activities and Organization (PIAO), which came into effect on June 30, 2022. This measure establishes that the activities of every public administration have to be oriented towards generating "objectives of public value (...), understood as the increase in economic, social, educational, and environmental well-being in favor of citizens and the productive forces" (art. 3, paragraph 1 of the Decree of the Department of the Public Function No. 132/2022). Universities represent a particular and, in some ways, exceptional case of public administration, characterized by a multiplicity of



objectives and by a highly professionalized and diversified workforce. Through a literature review and one or more case study(ies), the research project aims to investigate the way in which Universities, through their internal processes of strategic planning and strategy-implementation, contribute to generating public value. The project is also designed as an 'Action-Research' initiative, simultaneously serving the purpose of intervention and organizational development in the studied context(s), while also aiming to contribute innovatively to scientific knowledge.



RESEARCH PROJECT - CODE 5

"The civil procedure in the Court of Cassation"

Research structure: Department of Law

Department resolution: 29.10.2024

Resolution of the Academic Senate: 08.07.2024

Resolution of the Board of Directors: 10.07.2024

Gross annual amount: € 25.000,00

Financial coverage:

ASSEGNO24GIU

Duration of the grant: 24 months

Scientific area: 12 - Law studies

Competition sector: 12/GIUR-12 - Civil Procedure Law

Scientific disciplinary sector: GIUR-12/A - Civil Procedure Law

Scientific director: Prof.ssa Mariacarla Giorgetti

Entry requirement:

Dottorato di ricerca in Area CUN 12 - Scienze giuridiche

Knowledge of the language:

English

Additional qualifications evaluated by the Commission:

A higher score will be awarded by the Commission for the possession of a PhD relating to the subject of Civil procedural law or for periods of research grant in the same subject.

Interview schedule:

The candidate's aptitude for scientific research, critical analysis skills, and originality of thought will be assessed. This will be followed by an evaluation of the candidate's expertise in Civil Procedure Law, with specific questions on the research project topics. The interview will be conducted in Italian.

Description of the research project:

The reform of civil procedure, commonly known as the "Cartabia reform," has introduced significant innovations in the procedural rules for the Italian Court of Cassation. This reform aims to make the court's review process more efficient and streamlined, reducing the time needed to resolve cases and improving decision quality in line with European standards. This research project seeks to conduct a critical and in-depth analysis of the changes brought by the Cartabia reform to the Cassation's procedures, with the goal of assessing whether and how the new provisions effectively meet their intended objectives.

The analysis will begin with a detailed examination of the procedural innovations introduced in Cassation appeals. The effects of these changes on court access will be evaluated, considering possible implications for the right to judicial protection. Additionally, a comparison will be made with Cassation or equivalent systems in other European countries to identify best practices and potential areas for improvement.

A central focus of the research will be the analysis of the new admissibility filters and criteria for selecting appeals. The strengthened role of inadmissibility filters will be examined, as well as the effectiveness of the new provisions in reducing the Court's workload. Special attention will be given



to relevance and precedent-setting criteria used for appeal selection, evaluating their impact on the principles of equality and the consistency of legal interpretation.

Digitalization and procedural efficiency in Cassation will form another key focus of the research. The study will examine the introduction and use of digital tools in the appellate process, assessing the impact of new technologies on decision-making speed and backlog reduction. Issues related to data security and privacy protection will also be analysed within the context of digitalization in the judicial process.

Timeline and Schedule

The project will span a total of 24 months. In the first six months, an in-depth study of the procedural changes introduced by the Cartabia reform in Cassation procedures will be conducted. This phase will include gathering and analysing emerging scholarship and case law on the subject.

In the following six months, the collected data will be thoroughly processed and analysed. This phase will deepen the understanding of practical challenges encountered, highlighting the main strengths and challenges of the reform. The project will culminate in the preparation of a series of scholarly articles for publication in specialized journals.



RESEARCH PROJECT - CODE 6

"Effective tourism communication for social-ecological development of local communities and destinations"

Research structure: Department of Languages, literatures and cultures

Department resolution: 29.10.2024

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:

ASSEGNO24LLCS

Duration of the grant: 24 months

Scientific area: 10 – Antiquities, philology, literary studies, art history

Competition sector: 10/ANGL-01 English and anglo-american studies

Scientific Disciplinary Sector: ANGL-01/C English Language, Translation and Linguistics

Scientific director: Prof.ssa Cinzia Giacinta Spinzi

Entry requirement:

Dottorato di ricerca in Area 10 – Scienze dell'antichità, filologico-letterarie e storico-artistiche.

Knowledge of the language:

English language at a C2 level of the Common European Framework.

Additional qualifications evaluated by the Commission:

In-depth knowledge of the scientific literature related to the fields of Tourism discourse, multimodality and sustainability.

- Participation as a speaker or panelist at international conferences in the field of Tourism/multimodality.
- Proven research skills (research contracts in Italy and/or abroad).

Interview schedule:

Multimodality.

Tourism Discourse.

Sustainability discourse.

Corpus Linguistics.

Candidates will be interviewed in English.

Description of the research project:

Objectives:

This proposal contributes to the literature on tourism discourse and multimodal corpus research by exploring the role that linguistic and visual analysis can play in providing critical tools and empirical methods for developing alternative narratives that promote sustainable behavior and regenerative practices (Ahearn 2001; Plant 1992). In particular, this research aims to support an ecological transition that is essential for environmental protection and the renewability of resources at both global and local levels, in accordance with the U.N. goals for sustainable development¹ (Streimikiene 2020). Literature in economics and sociology has demonstrated a correlation between socioeconomic inequality, unsustainability, and the phenomenon of overtourism, which often results from



indiscriminate growth-oriented policies (Żemła 2020; Dredge & Gyimóthy 2015; Holden et al. 2022; Benner 2019). However, there is still limited multimodal and computational research on how such consumption practices are either encouraged or discouraged in the tourism industry, particularly through social media (Modgil et al. 2021). Within this context, scholars are increasingly interested in how platforms like Instagram can propose ecotourism narratives (Mattei 2023b).

This project specifically focuses on formulating guidelines for designing digital tourism narratives that promote not only a sustainable mindset – aimed at preserving the natural environment and its biodiversity – but also foster a tourist experience that is beneficial and enriching for all stakeholders involved in tourism practices. The project proposes a novel approach to responsible travel from the perspective of applied linguistics, particularly social semiotics, by building on regenerative tourism's core principles as discussed by management scholars.

The ultimate aim is to develop a data-driven taxonomy of frequently used and statistically significant linguistic and visual resources that construct a destination image perceived as attractive and 'exclusive' in its authentic local traits, unique endangered heritage, and which provide opportunities for active, equal co-creation of wealth and cultural appreciation. This taxonomy may help identify which multimodal strategies can be used as effective resources for promoting responsible and conscious travel, and which strategies, conversely, perpetuate an unsustainable, growth- and consumption-oriented business model that should be reconsidered or eliminated.

The advocated shift from the neoliberal concept of industry and profit to an interconnected system of communities and equal opportunities for social-ecological development indeed requires a change in how tourism organizations promote their destinations. To address this need, the proposed approach employs mixed and empirical methods—including software-based visual annotation and statistical analysis of datasets—to compare the linguistic and visual communication of popular English-speaking travel boards with that of nonprofit and regenerative tourism organizations, both on their websites and Instagram accounts.

By combining visual and linguistic resources, the project aims to promote a space for learning, praising, sharing, and contributing. This approach may ultimately persuade prospective tourists to adopt less consumerist and individual-oriented behaviors in their quest for the authentic and unknown. A systemic, linguistic, and visual construction of inclusive and collaborative experiences in revitalized areas will be demonstrated as achievable with the support of specific linguistic and social semiotics frameworks, alongside empirical results. This process may specifically inform and provide specialists with a range of resources to choose from when communicating with tourists, depending on the relationships they seek to build with various stakeholders (including environments, locals, and tourists) and the specific emotions they wish to convey.

Theoretical framework:

An integrated, computational perspective on tourism signs: Systemic Functional Linguistics and Social Semiotics

Studies applying multimodal discourse analytical and systemic functional linguistics frameworks have flourished in the last decades for their novel approach to the systematic analysis of semiotic resources, and for their view of language as only one of the systems of context-driven choices that humans rely on to create different layers of meaning and achieve communicative goals (Thompson et al. 2019). However, this type of research has only started gaining credibility and achieving reproducibility when supported by corpus-based and data-driven studies (Bateman et al. 2017; Pflaeging et al. 2021). Such studies have provided reliable insights into how discourse shapes behaviors and establishes practices, particularly in fields such as tourism discourse analysis (Spinzi 2013).

Tourism discourse literature has particularly benefitted from these advances, resulting in the generation of quantitative results and sociological interpretations of language patterns, including semantic categorizations and, more recently, the analysis of emotions or 'sentiments' (Maci 2020; Mattei 2023b). Recent research in this area increasingly integrates approaches from corpus linguistics and social semiotics to develop tools for analyzing large samples of multimodal and visual communication through the lens of Systemic Functional Linguistics (SFL) (Halliday and Matthiessen 2014). SFL provides a comprehensive framework for understanding how humans actively construct



meaning through language and other semiotic choices that are shaped by socio-cultural and technological contexts. It systematically explores how language is used to represent events (ideational metafunction), convey emotions and negotiate relationships (interpersonal metafunction), and ensure coherence in communication (textual metafunction), thereby linking context with specific linguistic uses.

In the context of tourism discourse, studies have emphasized the role of contemporary, image-centric media in shaping individuals' search for and expectations of extraordinary experiences that contrast with their everyday routines, particularly through the concept of the tourist gaze (Urry and Larsen 2011; Stöckl et al. 2020). However, current research approaches often remain limited. Many studies focus on textual analysis without adopting a systematic multimodal perspective (Maci 2020; Manca 2016; Bianchi 2017), while others pioneer small-scale studies examine the interaction of images and text through a qualitative lens (Francesconi 2014; Spinzi 2016).

Despite the growing interest in analyzing unsustainable forms of tourism through the study of its language, including the analysis of biased framings of nature and resources within Critical Discourse Studies, multimodal analysis, and corpus-assisted research (Stibbe 2014), there also remains a scarcity of systematic research investigating how language and imagery legitimize the framing of nature as a commodified "Other" for the profit of various stakeholders (Fernández-Vázquez 2021). This gap in research is particularly significant in the tourism industry, where such framings can influence both consumer behavior and industry practices.

To address the challenges posed by conventional tourism—such as resource depletion and environmental degradation—management scholars have proposed a shift towards a regenerative paradigm of tourism. Regenerative tourism focuses on not only minimizing negative impacts by improving efficiency, reducing waste, and mitigating environmental footprints but also actively enhancing the environments, cultures, and communities affected by tourism (Bellato and Pollock 2023). Unlike sustainable tourism, which often aims merely to "do less harm," regenerative tourism specifically seeks to create a positive impact by transforming travel into a force that preserves and enriches destinations' natural and cultural heritage while benefiting local economies.

To achieve these goals, scholars in management have compared the principles found in regenerative tourism literature with practices promoted by tourism companies advocating for conscious, sustainable travel. They have identified core principles and actions that align with regenerative tourism's tenets: community, environment, and place (Sharma and Tham 2023). This framework promotes a more compassionate, inclusive, and collaborative relationship with destinations, considering them as unique social-ecological environments where communities' identities and places' defining characteristics coexist in a delicate balance. This perspective is consistent with the principles of circular economies, which emphasize the interdependence of place, relationships, and resources to ensure authentic experiences and long-term value (Tomassini and Cavagnaro 2022, 2).

The radical shift proposed by regenerative tourism, therefore, is not just a change in practices but a fundamental transformation of the tourism industry's mindset. It challenges the traditional view of tourism as a source of individualistic economic profit, advocating instead for a systemic approach that balances economic, social, and environmental well-being by fostering equitable growth. This shift requires tourism organizations, practitioners, and researchers to rethink how tourism is promoted and experienced, ensuring that it contributes positively to the revitalization of destinations and the well-being of their communities.

Research project description:

Multimodal tagging: systematic analysis of text-image meaning-making

The project aims to contribute to the emerging field of empirical multimodal discourse analysis applied to tourism discourse, particularly focusing on the underexplored phenomenon of regenerative tourism. Recent studies have demonstrated that large-scale, statistical analyses of Instagram and website tourism images and texts—using manual inter-annotation and data-driven taxonomies based on Systemic Functional Linguistics (SFL) frameworks (Mattei 2023a; Mattei 2024)—can significantly advance the multidisciplinary integration of methods and theories from both soft and hard sciences. This integration generates new insights into how meaning is constructed and disseminated in digital spaces. While there have been efforts to investigate the role of discourse in promoting sustainable



tourism experiences (Stamou and Paraskevopoulos 2004), research adopting a Systemic Functional Linguistics or an empirical socio-semiotic approach remains scarce in this area (Trčková 2017; Isti'ahah 2021). This gap has led to the emergence of new research avenues focused on creating data-driven 'eco-grammars' and guidelines for sustainable tourism communication (Wei 2021).

The project seeks to address these gaps by answering the following research questions:

1) Is it possible to convey regenerative principles clearly and persuasively to prospective travellers?

To answer this, the project proposes a method for systematically implementing verbal and visual regenerative principles, demonstrating how linguistic and visual elements can be effectively combined to promote sustainability. This approach involves presenting an attractive image of a tourist destination that highlights and invites collaboration among multiple stakeholders, including the host community (encompassing local wildlife), teams of volunteers, various partners, and visiting tourists. The project will analyze successful case studies, such as Playa Viva, Regenerative Travel, Visit Flanders, and Leave No Trace, identified as exemplary in regenerative tourism literature. These case studies will be categorized using linguistic and socio-semiotic perspectives and empirical methods. Through this categorization, the project will identify specifically the types of strategies shown by the literature to construct sustainability narratives.

The project will adopt a mixed methodological framework to support the systematic analysis, development, and education on multimodal tourism discourse related to sustainability and cultural heritage preservation. This includes the systematic labeling and inter-annotation of corpora of tourism images and written language promoting cultural, artistic, gastronomic, and natural experiences through data-driven tagging models—such as Transitivity and Appraisal systems (Cardoso and Cohn 2022; WebAnno; SRI Tagging, Pibiri and Mattei 2020)—alongside qualitative insights into syntagmatic relations. These analyses will leverage software for statistical analysis (R) and POS tagging (Sketch Engine) to measure the occurrence and variance of strategies across different digital channels and their roles in the marketing funnel of persuasion (AIDA model, Manca 2016; Shuqair and Cragg 2017).

2) How can linguistic and visual strategies in tourism communication convey positive attitudes toward a regenerative tourist experience?

3) How may postmodern travelers' desire for the uncontaminated be leveraged to raise awareness of environmental and cultural protection?

To address these questions, the project draws upon a multimodal empirical and corpus-based approach (Halliday and Matthiessen 2014; Martin and White 2003; Kress and van Leeuwen 2006; Stöckl et al. 2020). It aims to demonstrate how the highly evaluative and evocative language and imagery of tourism can be leveraged to stimulate socially driven desires for:

- Authenticity (in terms of natural, cultural, and gastronomic uniqueness and specificity) (Dann 1996);
- The unknown extraordinary (Debord 1977);
- Recharging, exclusive, and solitary experiences in the uncontaminated** (Urry and Larsen 2011);
- Unique and local sites of cultural heritage that foster appreciation, enrichment, and preservation for future generations.

In other words, the second part of the project consists in identifying elements in traditional (neoliberal) tourism discourse that are considered to be persuasive. By carefully combining these strategies, the project will create an alternative discourse of conscious travel that remains appealing to prospective tourists and stakeholders. When applied in comparative analyses between sustainable and traditional tourism narratives, these strategies can enable the detailed and strategic construction of regenerative narratives that appeal to social media users, reshaping their perceptions and roles in the travel experience.

The project thus offers a classification of lexicogrammatical instantiations that promote sustainable behavior. This involves advocating a return to non-industrialized and non-commercialized settings, while inviting prospective tourists to actively participate in the change. In essence, the project introduces successful multimodal promotional practices to support the dissemination and adoption of sustainable behaviors. The creation of a grammar for multimodal orchestrations of digital eco-discourse could serve as a practical tool for this purpose.



Key words: Corpus-driven Discourse Studies; Regenerative Travel; Empirical Multimodality; Instagram Marketing; Systemic Functional Linguistics

Timeline:

- Analysis of case studies with a corpus and multimodal approach (including annotation).
- Analysis and measurement of most frequent and key strategies.
- Comparison with sustainability narratives.
- Definition of a taxonomy of lexical and visual resources that, according to the literature on sustainability discourse and management for responsible tourism, promote the core values of conscious and regenerative travel.
- Comparison with effective, traditional tourism narratives that play on tourism driving forces and may lead to an enhanced persuasiveness of the narrative.
- Integration of both sustainable, regenerative and traditional narratives through a careful combination of words and co-textual selections.

Expected results:

The primary research outcome is the development of an integrated taxonomy of lexicogrammatical resources designed to create multimodal patterns of evaluative and visually appealing meaning-making processes that effectively present a sustainable yet appealing perspective of a destination. This taxonomy will focus on:

1. Strategic Combination of Lexical Resources:

- Identify and combine keywords, collocations, and colligations that are associated with specific semantic domains related to sustainability, regeneration, and local culture. This ensures a precise and meaningful choice of language that aligns with the intended messaging.

2. Assignment of Grammatical Functions:

- Assign distinct grammatical functions to each element within a clause. This includes defining the roles of participants (e.g., tourists, local communities, natural elements) in ways that construct relationships of power, control, but also equality. Such grammatical structuring aims to convey an active role for all stakeholders, emphasizing accountability and respect for the destination's attributes and communities.

The development of this taxonomy will incorporate linguistic and visual elements that:

- underline the aesthetic and physical attributes of pristine destinations, unique natural environments and rare, endangered life forms;
- assign to the plant and animal ecosystem in its biodiversity a privileged position of dominance or equality with humans, not subjugation (Stibbe 2014);
- promote emotive and perceptive consumption as well as agency, responsibility and accountability in the preservation of what is uncontaminated and local and in the generation of wealth. This includes instances of exclusive contact and learning opportunities with traditional communities, customs and unique wildlife, thus fostering instant gratification in prospective customers;
- Assign agency to local communities, highlighting the educational aspects involved in the process of teaching and learning about the role of each living being in the ecosystem;
- Avoid describing nature, its wildlife and biodiversity as a passive entity, or object, to praise in commodifying or abstract terms. Nature should not be portrayed merely as a source of human satisfaction or aesthetically appealing spectacle; instead, it should be described as a part of a complex and interconnected ecosystem with its peculiarities and frailties;
- Describe natural elements as Sensors (not as objects), i.e. living entities that have a consciousness and therefore emotions as well as rights;
- Use direct gazes combined with eye-level angles and close shots to show concretely the details of each entity and foster not only appreciation but also equal confrontation as well as engagement;
- Include cognitive processes of feeling, imagining and thinking to raise awareness of environmental challenges and invite tourists to feel engaged and part of the change, not only passive spectators of an act of consumption of the destination;



- Integrate evaluative and emotive attributes to stimulate common ground and emotional attachment to the destination, not only an irrational response or in-group identification that urge individuals to consume.

The integrated taxonomy of lexico-grammatical and visual resources will serve as a comprehensive guide for crafting sustainable tourism narratives that are persuasive, engaging, and responsible. By using this taxonomy, tourism marketers, content creators, and educators can develop meaningful narratives that not only attract tourists but also promote conscious, regenerative travel behaviors. This approach moves beyond traditional consumption-driven tourism, proposing an alternative that emphasizes ecological preservation, cultural appreciation, and equitable relationships among all stakeholders.

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RESEARCH PROJECT - CODE 7

"Evidence Based Medicine, professional expertise and the development of a "dissident" community of practice during the COVID-19 pandemic: the case of Hydroxychloroquin in Italy"

Research structure: Department of Management
Department resolution: 24.06.2024

Resolution of the Academic Senate: 08.07.2024
Resolution of the Board of Directors: 10.07.2024

Gross annual amount: € 24.300,00

Financial coverage:

cod. Progetto: STARS2123AZ1SR - CUP: F59C20000390001.

Duration of the grant: 24 months

Scientific area: 14 - Political and social sciences

Competition sector: 14/GSPS-05 - General Sociology

Scientific Disciplinary Sector: GSPS-05/A - General Sociology

Scientific director: Prof. Stefano Tomelleri

Entry requirement:

Dottorato di ricerca Area CUN 14- Scienze Politiche e Sociali.

Knowledge of the language:

English

Additional qualifications evaluated by the Commission:

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Interview schedule:

The interview will verify the candidate's knowledge about the sociology of health and medicine, the narrative approach on the study of organizations, and the main theoretical categories developed by the Science and Technology Studies (STS) applied to medicine. In particular, the ability of the candidate to combine the interpretation of socio-technical situated practices with the broader organization of socio-health systems and with the prevailing epistemological paradigms will be assessed.

In-depth knowledge of qualitative methods of social research and, in particular of the ethnographic method, will also be verified.

Description of the research project:

The COVID-19 pandemic challenges the epistemological model of Evidence Based Medicine which supposes the clinical decision-making process based on objective evidence gained through validation by epistemic communities and international scientific agencies. The spread of this new form of the SARS virus, about which there was no specific previous knowledge, forced the world's leading experts and health professionals to face the new pathology metaphorically "with bare hands", without consolidated and accredited repertoire of biomedical data and clinical protocols. In this scenario, dominated by extensive debates and tensions between scientific communities and policy making agencies, practices of reconfiguring diagnostic-therapeutic processes emerged inside and outside hospital institutions, redefining scientific and clinical boundaries, and professional relationships and repertoires. In Italy, the most emblematic cases is represented by the development and accreditation



of the protocol of early home treatment, an approach to the pathology around which a community of family and hospital doctors supported by clinical efficacy has been consolidating from March 2020.

The research will investigate both the social and communicative interactions, and the professional and organizational practices through which the informal health care network has self-organized and developed, becoming a sort of "dissident" community of practice, despite systemic and institutional resistance. The theoretical aspects that will be investigated lie on the border between the sociology of medicine and the social studies of science and technology. The research questions are the following:

1. Analyse the role of digital communication technologies in building and consolidating the community of practice during the pandemic crisis.
2. Analyse the organizational implications deriving from the self-organization process of an informal professional group.
3. Analyse the tension between the universalistic component of EBM and the experiential knowledge of clinical activity during a systemic crisis.

To investigate these dynamics, ethnographic method will be adopted, which envisages the presence of the researcher as a participating observer in the social contexts through which the community of practice has developed. Other data gathering tools will be the semi-structured interview and the collection of documentary material.

Description of expected results: originality and impact on the advancement of knowledge

On the scientific plan, it is expected to identify factors facilitating and hindering the creation of communities of practice in the medical field during a global emergency and how this informal network fits into the organizational configuration of social-health services. As far as public engagement is concerned, the results of the study will be able to increase professional and systemic resilience, increasing the coping skills of healthcare professionals and facilitating the diffusion in the scientific debate and in public opinion of alternative perspectives and divergent visions, from which unexpected or poorly explored resources while falling within the confines of scientific knowledge (<https://time.com/5816874/italy-coronavirus-patients-treating-home/>). Finally, in terms of strategic synergies, the study consolidates the collaboration with the Nuffield Department of Primary Care Health Sciences of the University of Oxford, with which we already had opportunities for scientific exchange and joint research in the past on issues of social knowledge of medicine and professional practices in the medical-health field. We expect that thanks to this project this partnership will be structural and lasting, thus allowing to start further projects in the medium and long term.



RESEARCH PROJECT - CODE 8

"A holistic life cycle approach for a resilient and low-impact built environment"

Research structure: Department of Engineering and applied sciences

Department resolution: 24.05.2024 with integration of 03.10.2024

Resolution of the Academic Senate: 13.05.2024

Resolution of the Board of Directors: 14.05.2024

Gross annual amount: € 25.000,00

Financial coverage:

ASSEGNOEXP24PE, CUP F53C24000110005

Duration of the grant: 24 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/B Production and Management of Built Environment

Scientific director: Prof.ssa Elisabetta Palumbo

Entry requirement:

Dottorato di ricerca Area CUN 08 - Ingegneria civile ed architettura.

Knowledge of the language:

English

Additional qualifications evaluated by the Commission:

- Experience in BIM modeling for managing production and assembly processes of building components and buildings.
- Experience in building projects for improving energy efficiency and environmental resilience.
- Knowledge of the LCA screening methodology that is applied to building interventions and/or urban retrofits.
- Synergy of the LCA method with building process digitisation tools applied to residential retrofit projects.

Interview schedule:

1. Tools to support sustainable residential design and redevelopment.
2. Use of BIM and digital technologies for prefabrication, prototyping, and site management.
3. The integration of technological and sustainable solutions to build resilient buildings in post-disaster contexts
4. The use of the LCA method in construction

Description of the research project:

The European Union's current policies by 2050 require the construction sector to play a significant role in achieving carbon neutrality targets. In practice, this should result in a radical cut in greenhouse gas emissions in different economic sectors, including construction, which is notoriously among the most energy-intensive sectors, and which in Italy contributes about 30% of national emissions.

Indeed, the first actions aimed at decarbonising the built environment concerned the introduction of solutions for energy efficiency. In 2019, in line with the objectives of the European Green Deal, with the Clean Energy package, the Commission introduced a series of major initiatives for the construction sector, first of all the proposal to revise the Directive on the Energy Performance of Buildings



(EPBD) known as the "green houses" directive, recently adopted by the European Parliament (12 March 2024).

This revision is a crucial step for the sector, since it not only sets the objective of eliminating emissions from the entire European housing stock by 2050, but also and above all because it broadens the scope of the assessment, introducing an approach that looks at the reduction of greenhouse gas emissions over the entire life cycle (WLC), going beyond the initial approach focused on building operational energy alone ('Operational Carbon').

This innovation of contemplating the environmental impacts along the entire life cycle of the building involves the calculation of the so-called embedded emissions (Embodied Carbon), which are those associated with the production of building materials, the processes for the construction of the buildings, their eventual demolition, and then the management of the subsequent phases at the end of the useful life of the building.

Despite numerous steps to make design and execution approaches as holistic as possible, the focus of assessment systems does not adequately integrate the environmental and structural spheres. The challenge today is to create resilient, safe and low-impact buildings, especially in a geographical context such as Italy where seismic risk cannot be overlooked. Methodologies capable of measuring and supporting the integration of improved solutions in terms of lower environmental impact (Life Cycle Assessment-LCA), economic (Life Cycle Costing-LCC) and social (Social-Life Cycle-S-LCA). They have been used for several years in the life cycle and are strongly recommended by various Community actions and directives. LCA and LCC are the most developed and standardized buildings, while S-LCA is less widespread, although it is of great importance in complex contexts such as post-earthquake, where the need is to ensure resilient interventions, or that ensure a quick and less traumatic usability of users. Moreover, the tools for the assessment of the environmental impact associated with the earthquake are difficult to apply, whose effectiveness requires the involvement of transversal skills: specifically the sectors of Construction Production (SSD ICAR/11) and Construction Technology (SSD ICAR/09). The combination of these sectors, within the Department of Engineering and Applied Sciences, has led to the definition of integrative conceptual strategies and proposals for the analysis and assessment of the impacts on the life cycle appropriate to the building environment.

From a design point of view, the consideration of the different phases of the life cycle (Life Cycle Thinking approach) of an artifact requires a paradigm shift, going beyond the mere consideration of structural safety, and necessarily contemplate aspects such as adaptability and demountability of components, repairability in case of earthquake, up to the definition of new performance limits to maximize resilience.

In line with the premises given here, it is essential to develop an integrated methodology, easy to apply, able to support the designer in proposing solutions - on the new or existing heritage- for a design of resilient products, safe and accompanied by indicators of environmental, economic and social impact that allow their assessment on the life cycle.

The study will mainly focus on residential buildings with different types of construction and structure (e.g. reinforced concrete, steel, etc.), chosen in different Italian earthquake zones, with the aim of understanding how the correlation between seismic and environmental impact effects (such as Embodied Carbon), economic and social throughout the life cycle, including the reinforcement of the building before the earthquake and the post-earthquake restoration. The logic behind the proposed theme is to define the evaluation metrics of the project of the building before and the building built/recovered after, which include the sustainability along the real life of the work, integrating therefore the possible seismic actions to which it is subjected, and consequently aiming only the phase of realization.

The ultimate goal is to combine and integrate LCA-LCC and S-LCA Building Information Modelling (BIM) assessments. This phase of the work will be conducted in collaboration with the Instituto Universitario de Arquitectura y Ciencias de la Construcción, Escuela Técnica Superior de Arquitectura of the University of Seville, with which the proposer of this proposal has consolidated research relationships. With this in mind, the Fellow is expected to spend a period of visiting (min 3-max 6 months) at the Spanish Institute, and analyse alternative structural and reinforcement systems that can identify solutions with environmental CO2 emission assessments, costs throughout the life cycle



and positive and negative effects on stakeholders affected by the S-LCA method.

The research project will be divided into the following macro phases:

1. Definition of buildings in relation to building typology, seismic zone, and construction technique.
2. Assessing the building's structural performance during an earthquake, both before and after reinforcement;
3. LCA modelling of case studies using specific calculation software.
4. LCC and S-LCA evaluations based on scenarios representative of the Italian national context.
5. Analysing the impact of design choices in Life Cycle Thinking (LCT) on the life cycle using sensitivity analysis.

Definition of a methodology for integrated design that allows the identification of optimal solutions and strategies for a resilient and low-impact design in LCT optics. In addition, collaborating with foreign universities on Building Information Modelling (BIM).