

DECRETO RETTORALE

Decree of the Rector n. 424 of 08/05/2024

Competition for awarding 1 research grant at the University of Udine

DISCLAIMER:

The official and legally binding call for applications is in Italian only.

This document cannot be used for legal purposes and is only meant to provide information in English on the call for applications (Decree of the Rector n. 424 of 08/05/2024). Please refer to the official call published on: <https://www.uniud.it/it/albo-ufficiale>

Any change and integration will be made available on the above-mentioned web page. Therefore, no personal written communication regarding the examination date and/or competition results shall be provided to applicants.

Annex 1

Call for applications for the award of 1 grant for the performance of research activities at the University of Udine on the topic "Previews from the urban scene. The abandoned industrial heritage of Friuli Venezia Giulia between critical issues and strategic potential" SSD: ICAR/14 (principal investigator, Giovanni Comi).

Research fellowship financed with the resources of the research project titled "Interconnected Nord-Est Innovation Ecosystem" (iNEST) - ECS_00000043. Public call No. 3277 of 30/12/2021. Young Researchers' Call – Project PNRR_M4C2_Inv.1.5_iNEST_CC5_YRC_Pj_Comi. CUP G23C22001130006.

Art. 1

A selection proceeding is hereby announced for the award of 1 research grant at the University of Udine for the performance of the research activity identified in Annex A, which forms an integral and substantial part of this call. The research grant is linked to the research project on which it is based and is subject to the corresponding financial coverage.

Specifically, the project is placed within the context of the Italian National Recovery and Resilience Plan (i.e., PNRR) – Mission 4: Education and research, Component 2: From research to business, Investment 1.5: Creating and strengthening "innovation ecosystems", building "local R&D leaders", funded by the EU-Next GenerationEU; Project: "Interconnected Nord-Est Innovation Ecosystem" (iNEST), ECS00000043; Thematic area: Digital, Industry, Aerospace. CUP: G23C22001130006. A Young Researchers' Call has been issued within the context of the iNEST program, for the financing of research projects addressed to young researchers at universities that are part of the program as either Spoke leaders or affiliates. Among the winners of the call is Dr. Giovanni Comi's project titled "Previews from the urban scene. The abandoned industrial heritage of Friuli Venezia Giulia between critical issues and strategic potential" - Project PNRR_M4C2_Inv.1.5_iNEST_CC5_YRC_Pj_Comi, which envisages a further call for a one year-long research grant.

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The grant may be renewed with the winner in accordance with the provisions of Article 22 of Law no. 240 of 30 December 2010 (in the text prior to Leg. Decree no. 36 of 30 April 2022, converted with amendments by Law no. 79 of 29 June 2022) and the Regulations of the University of Udine for the awarding of research grants issued by Rector's Decree no. 182 of 31 March 2021, in the presence of a positive assessment by the scientific supervisor of the activity carried out by the research fellow, adequate scientific justification and related financial coverage, within the limits set out in Article 3, letters b) and c) below.

The activities covered by the research grant will respect the National Recovery and Resilience Plan's "Do No Significant Harm" principle, i.e., they should not cause significant harm to the environment.

This call guarantees respect for generational, gender and territorial equal opportunities.

The results of the research conducted within the framework of the research grant and the related data will be published in accordance with the "Open Science" and "FAIR data" principles.

The research grant does not entitle the successful candidate to any rights as regards access to University roles.

Any personal communication to candidates relating to this selection will be sent exclusively to the email address indicated in the application form.

Art. 2

The activities covered by the research grant referred to in this call for competition and the admission requirements are indicated and described in Annex A. Failure to meet the admission requirements at the time of applying shall result in the **exclusion** of the candidate from the selection process.

Possession of a PhD qualification or equivalent qualification obtained abroad or, for the sectors concerned only, of a medical specialisation qualification accompanied by an adequate scientific production, constitutes a preferential requirement for the awarding of the grant envisaged for this selection, if it has not been mentioned as an admission requirement.

The Selection Board shall assess, for the sole purpose of admission to the competition, the suitability of any qualification obtained abroad, without prejudice to the assessment of the medical specialisation qualification to which Article 38, paragraph 3.1 of Legislative Decree 165/2001, as amended, and the relevant Community regulations apply.

The Board assesses the qualification obtained abroad based on the relevant documentation enclosed with the application to take part in the selection and may exclude the candidate if the submitted documentation does not provide sufficient elements for the assessment.

Candidates are therefore invited to enclose all documentation in their possession relating to their qualifications in order to provide the Board with sufficient elements to assess their position.

Candidates are admitted to the selection process subject to a reservation and their exclusion, for failure to meet the requirements, may be ordered at any time by reasoned decision.

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Art. 3

The research grant referred to in this call cannot be awarded to the following subjects:

- a) Employees of Universities and the entities referred to in Article 22(1) of Law no. 240 of 30 December 2010 (in the text prior to Leg. Decree no. 36 of 30 April 2022, converted with amendments by Law no. 79 of 29 June 2022).
- b) Recipients of previous research grants pursuant to Law no. 240 of 30 December 2010, for the maximum period allowed by the regulations, excluding the period in which the grant was received in conjunction with a PhD, up to the legal duration of the relevant course.
- c) Those who have already been awarded research grants and fixed-term researcher contracts pursuant to Law no. 240 of 30 December 2010 for a total of 12 years, even if not consecutive.
- d) Those who have a degree of kinship or relationship, up to and including the fourth degree, with:
 - The Rector, the Director General or a member of the Board of Directors of the University of Udine.
 - The principal investigator or a professor/researcher belonging to the department or structure of interest where the research grant activity takes place.

The research grant referred to in this call cannot be cumulated with the following:

- a) Awarded scholarships of any kind, except those granted by national or foreign institutions useful for supplementing, by means of stays abroad, the fellow's training or research activities.
- b) Other research grants.
- c) Employment relationships, even if part-time, without prejudice to the provisions of the regulations for employees of public administrations.

The grant referred to in this call is also incompatible with simultaneous attendance of degree courses, master's degrees, and PhDs with scholarships and medical specialisation, in Italy and abroad.

Persons who have been convicted of a criminal offence resulting in disqualification from holding public office or inability to contract with the public administration as a secondary penalty are not eligible for selection.

Art. 4

Applicants must submit, in the manner described in Article 5 below, the application to take part in the selection, duly signed in handwritten or digital form. An application without a signature will result in the **exclusion** of the candidate, except in the case of access through the use of the Public Digital Identity System (SPID) in which case the signature will not be necessary.

The application must be uploaded in its entirety (i.e., every page), **otherwise** the applicant will be **excluded** from the selection.

Applicants must enclose the following with their application for participation in the selection, **under penalty of exclusion**:

1. The professional scientific *curriculum vitae* in Italian or English or one of the additional languages, if any, indicated in Annex A, highlighting the candidate's aptitude for carrying out and implementing the research programme.
2. Copy of valid identity document or other identification document. Citizens of non-EU countries must enclose a copy of their passport.
3. Limited to citizens of non-EU states residing or authorised to reside in Italy, a copy of their residence permit or authorisation to reside in Italy.

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4. For candidates who cannot provide a self-certification under the conditions set out below, documentation proving possession of the academic qualification required for admission to the selection. Possession of a higher academic qualification does not exempt the candidate from producing such documentation, which, if missing, will result in exclusion:
- **Candidates who are Italian citizens or citizens of a European Union Member State** must submit a declaration in lieu of certification and, if necessary, a notarial deed regarding the academic qualification needed for admission (indicating the academic qualification, the academic institution awarding the qualification, the year it was awarded and the mark obtained) and the publications and other qualifications held, indicating for each one all the identification details necessary for the Board's assessment. **The application for participation counts as a declaration in lieu of certification of the declared academic qualification.** If the subject matter of the declaration is not clearly identified in terms of its nature, duration, time setting and institution concerned, the selection board will disregard it. The Administration reserves the right to carry out appropriate checks on the truthfulness of the content of the declarations made; in the event of a false declaration, the provisions of Article 76 of Presidential Decree no. 445/2000 and Articles 483, 485, and 486 of the Italian Criminal Code shall apply. The University will not take into account any certificates attached by candidates who are Italian citizens or citizens of a state belonging to the European Union.
 - **Citizens of a non-European Union State** must submit documents and qualifications in Italian or English or one of the additional languages, if any, indicated in Annex A, under penalty of exclusion from the selection or, as the case may be, non-assessment.
Documents and titles, originally in a different language, must be accompanied by a translation, made by the candidate under his or her responsibility, into Italian or English or any other language indicated in Appendix A. With reference to the dissertation only, the translation may be limited to an extended abstract.
 - **Citizens of a non-EU State regularly residing in Italy** may use declarations in lieu of certification only in respect of states, personal qualities or facts that can be certified or attested to by Italian public bodies, without prejudice to the special provisions contained in the laws and regulations governing immigration and the status of foreigners.
 - **Citizens of non-EU states authorised to reside in Italy** may use the aforementioned declarations in cases where they are produced pursuant to international conventions between Italy and the declarant's country of origin.

Applicants may also enclose with their application for assessment purposes their publications and any other qualification deemed useful to prove their qualification in relation to the research programme described in Annex A and to certify any research activity carried out in public and/or private entities (with the indication of the starting date and duration). The submission modalities are similar to those indicated in point 4 of the previous paragraph.

Only the qualifications possessed by the candidate on the date of submission of the application for selection and presented in accordance with Article 5 will be assessed.

Any exclusion from the selection procedure due to lack of eligibility requirements, absence of mandatory documents, failure to sign the application to take part in the selection or submission of the application in a manner other than that provided for in this call will be communicated to the parties concerned exclusively by email to the email address indicated in the application to take part in the selection.

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Art. 5

Registration for this selection will begin on May 17, 2024 at 2:00 pm (Italian time) and will end on June 4, 2024 at 2:00 pm (Italian time).

The application to take part in the selection must be completed, under penalty of exclusion, using the appropriate online procedure, available at <https://pica.cineca.it/>.

For those who do not already have a user account, the procedure involves a registration phase for the applicant, and a subsequent phase for completing the application online.

Once completed, the application must be signed in the manner (handwritten signature, with attached identity document, or digital signature) described in the online procedure, under penalty of exclusion from the selection. The application does not have to be signed if the above-mentioned online procedure is accessed using the Sistema Pubblico di Identità Digitale (SPID - Digital ID Public System). In the case of a handwritten signature, the applicant must upload the application to the system in its entirety. The information entered in the application form shall constitute a declaration in lieu of certification and affidavit, pursuant to Articles 46 and 47 of Presidential Decree no. 445/2000.

The qualifications referred to in Article 4 must be attached to the application in .pdf format. Individual files, in .pdf format, may not exceed 30MB in size.

It is not permitted to submit attachments to the application in the form of links to files residing on "online storage/file sharing" services or web pages. Reference may not be made to documents or publications submitted to this or other administrations or documents attached to the application for participation in another selection procedure.

The application for participation in the selection is automatically sent to the University of Udine with the final closure of the online procedure.

The University Administration:

- accepts no liability if it is impossible to read the submitted documentation in electronic format due to damaged files;
- does not accept or take into consideration qualifications or documents received in paper form or by any other means than those specified in this article.

The Administration accepts no liability in the event of incorrect indication by the candidate of his/her email address or in the event of failure or delay in communicating a change in the email address indicated in the application, nor for any digital transmission errors attributable to third parties, unforeseeable circumstances or force majeure.

Applicants are advised not to wait until the last few days before the deadline to submit their application. The University accepts no liability for any malfunctions due to technical problems and/or overloading of the communication line and/or application systems.

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Art. 6

The selection test takes place according to the modalities set out in Annex A.

The test will aim to ascertain the candidates' preparation, experience and research aptitude. It will consist of an assessment of the professional scientific curriculum, publications and titles submitted, and an interview, where applicable.

Failure of the candidate to attend the interview will be considered as withdrawal from the selection, whatever the cause.

Candidates who intend to avail themselves of the benefits provided for by Article 20 of Law no. 104 of 1992 (need for assistance, possible use of additional time for the performance of examination tests) in relation to their disability situation, must declare this and accompany the application with appropriate medical certification in order to allow the Administration to prepare in time the means and tools to guarantee the statutory benefits; failure to submit the medical certification exempts the Administration from any obligation in this regard.

Art. 7

The Competition Selection Board is identified in Annex A to this call, of which it forms an integral part. At its first meeting, the Board appoints the Chairperson and the Secretary taking the minutes, and establishes the criteria and procedures for assessing the qualifications and the interview, where applicable.

The results of the assessment must be made known to the parties concerned at the interview, where provided for.

The Board can attribute to the selection a total number of 100 points (one hundred hundredths). At the end of its work, the Board formulates the overall merit list based on the total marks obtained by each candidate and draws up the minutes of the competition operations.

The grant may be awarded, subject to the ranking list, to candidates who have obtained a minimum overall mark of 70/100 (seventy hundredths).

The Board's judgement is final on the merits.

The ranking list will be made public exclusively by publication on the University's official notice board; the outcome of the assessment will not be the subject of personal communication to candidates.

Those who do not declare their acceptance of the research grant and do not present themselves at the structure where the research activities are to be carried out to sign the contract by the deadline communicated by the same to the email address indicated by the candidate in the application shall forfeit their right to the research grant, except for health reasons or reasons of force majeure duly documented and promptly notified.

Candidates holding qualifications obtained abroad, if successful, must submit the following, if not already attached to the application:

- **For degrees issued by a country that is a party to the Lisbon Convention (<https://www.enic-naric.net/>), the following documentation:**
 - *Supplement* Diploma or similar certificate in English issued by the competent University.

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- "Certificate of Verification of Foreign Qualification - CIMEA" issued by CIMEA (Centre for Information on Academic Mobility and Equivalences) via the "diplome" service at <https://cimea.diplo-me.eu/udine/#/auth/login>
- **For degrees issued by a country not party to the Lisbon Convention (<https://www.enic-naric.net/>), one of the following options:**
 - Declaration of the on-site value of the qualification held and the certificate relating to the qualification with examinations and grades. The certificate in a language other than Italian or English must be accompanied by an official translation into one of those languages (certified by the competent diplomatic-consular authority or sworn at a court in Italy).
 - "Certificate of Comparability and Verification of Foreign Qualifications - CIMEA" issued by CIMEA (Centre for Information on Academic Mobility and Equivalences) via the "diplome" service at <https://cimea.diplo-me.eu/udine/#/auth/login>

If the aforementioned documentation is not available at the time of the conclusion of the contract, the candidate must prove that he or she has requested it and submit it as soon as possible; if it is not submitted within six months of the start of the contract, the candidate will forfeit the contract and will be required to repay any related sums received to date.

Art. 8

The research activity cannot be started before the contract defining the terms of the collaboration is signed.

The activity covered by the research grant must have the following characteristics:

- a) Be carried out in the context of the research programme covered by the grant and not be a purely technical support to the same.
- b) Close connection with the implementation of the research programme that is the subject of the relationship with the winner.
- c) Having a continuous and in any case temporally defined character, not merely occasional, and in coordination with the overall activity of the University.
- d) Performance in a condition of autonomy, within the sole limits of the programme prepared by the Head of the same, without predetermined working hours.

The research fellow is obliged to submit a detailed written report on the work carried out and the results achieved, together with the opinion of the scientific supervisor, to the reference structure within the deadlines laid down in the contract. The research fellow will also have to submit interim reports and time sheets if requested by the reference structure and/or the scientific supervisor.

The research fellow is bound to strict confidentiality regarding the data and information to which he/she becomes privy in the course of his/her research activity. At the request of the scientific coordinator, he/she will be required to sign an appropriate confidentiality agreement.

The industrial property rights to the results obtained by the research fellow in the performance of the research activity belong exclusively to the University, without prejudice to the moral right of the research fellow to be recognised as an author or inventor.

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The University reserves the right to revoke this call for competition for reasons of public interest, should the research project and/or the financial backing on which the research grant is based cease to exist. Should these causes arise after the contract has been signed, the University may terminate the contract without notice.

Art. 9

The following apply to the grant under this call:

- On tax matters, the provisions of Article 4 of Law no. 476 of 13 August 1984, as amended.
- On social security matters, the provisions of Article 2(26) et seq. of Law no. 335 of 8 August 1995, as amended.
- On compulsory maternity leave, the provisions of the Ministerial Decree of 12 July 2007.
- On sick leave, the provisions of Article 1(788) of Law No 296 of 27 December 2006, as amended.

During the period of compulsory maternity leave, the allowance paid by INPS pursuant to Article 5 of the Ministerial Decree of 12 July 2007 is supplemented by the University up to the full amount of the research grant.

The grant will be paid in monthly instalments in arrears.

Art. 10

The data collected as part of the procedure referred to in Article 5 is necessary for the proper management of the selection procedure, for the possible subsequent management of the research grant and purposes related to the management of the services provided by the University. The University of Udine is the Data Controller. At any time, the data subject may request access, rectification and, compatibly with the institutional purposes of the University, cancellation and restriction of processing or may object to the processing of his/her data. He/she can always lodge a complaint with the Italian Data Protection Authority. The full information is available on the University of Udine website in the "Privacy" section accessible from the home page www.uniud.it Direct Link: <https://www.uniud.it/it/pagine-speciali/guida/privacy>

Art. 11

For any matters not expressly mentioned in this call, reference is made to the relevant regulations in force cited in the introduction and to the "Internal regulations for the award of research grants pursuant to Law no. 240 of 30 December 2010" of the University of Udine issued by Rector's Decree no. 182 of 31 March 2021.

Art. 12

The official in charge of the proceeding is Dr. Sandra Salvador, Head of the Research Services Area of the University of Udine.

The reference office at the University of Udine is the "Area Servizi per la Ricerca - Ufficio Formazione per la Ricerca", Via Mantica 31 - 33100 Udine.

To request information on the call, please complete the following form available on the University of Udine website: https://helpdesk.uniud.it/SubmitSR.jsp?type=req&accountId=universityofudine&populateSR_id=42105

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Annex A

Responsabile scientifico della ricerca / Principal investigator:

Nome e cognome / Name and surname: Giovanni Comi
Qualifica / Position: Ricercatore a tempo determinato / Researcher
Dipartimento / Department: Politecnico di Ingegneria e Architettura (DPIA) / Polytechnic of Engineering and Architecture
Area MUR / Research field: 08 - Ingegneria civile e architettura
Settore concorsuale e Settore scientifico disciplinare / Scientific sector: 08/D1; ICAR/14 - Composizione architettonica e urbana.

Titolo dell'assegno di ricerca / Topic of the research fellowship "assegno di ricerca":

I bandi sono consultabili dal sito dell'Ateneo, del MUR e di Euraxess / The calls are available on the University, MUR and Euraxess websites

Testo in italiano:

Anticipazioni dalla scena urbana. Il patrimonio industriale dismesso del Friuli Venezia Giulia tra criticità e potenzialità strategiche.

Text in English:

Previews from the urban scene. The abandoned industrial heritage of Friuli Venezia Giulia between critical issues and strategic potential.

Obiettivi previsti e risultati attesi del programma di ricerca in cui si colloca l'attività dell'assegnista di ricerca / Foreseen objectives and results of the research programme performed by the research fellow "assegnista di ricerca":

I bandi sono consultabili dal sito dell'Ateneo, del MUR e di Euraxess / The calls are available on the University, MUR and Euraxess websites

Testo in italiano:

Il progetto di ricerca intende indagare strategie e metodologie finalizzate a favorire un miglioramento della pratica architettonica attraverso un approccio integrato al tema del patrimonio industriale dismesso, proponendo riflessioni e soluzioni differenti da attuare alle diverse scale, da quella del manufatto fino a quella della città e del paesaggio costruito.

Inserita all'interno dell'attività organizzata dal Consorzio Ecosistema Innovazione "iNEST – Interconnected Nord-Est Innovation Ecosystem" – la ricerca intercetta nello specifico i temi affrontati all'interno dello Spoke 4 – "City, architecture and sustainable design" sul territorio del Nord-Est e del Friuli Venezia Giulia. Questo significa mettere in evidenza le criticità e le fragilità – ambientali, geologiche, sismiche, ma anche demografiche – oltre che i caratteri costitutivi di una regione storicamente strategica. Come mostrano i collegamenti con la rete TEN-T europea, il Friuli Venezia Giulia – solcato dai corridoi Baltic-Adriatic, Mediterranean e Scandinavian-Mediterranean – svolge, infatti, un ruolo di vero crocevia fra Europa Continentale e Mediterraneo.

Muovendo a partire da una rilevazione a scala regionale, la ricerca si propone l'obiettivo di approfondire l'impatto che i fenomeni di contrazione e dismissione del tessuto produttivo e industriale hanno determinato sul patrimonio edilizio, sul paesaggio naturale e sulla rete delle infrastrutture al fine di sviluppare spunti concettuali e definire pratiche e metodologie volte a una transizione "sostenibile" e resiliente di questi luoghi dall'abbandono.

La ricerca intercetta temi coerenti con quanto previsto dagli obiettivi del Green Deal Europeo in materia di neutralità climatica, transizione energetica e contenimento del consumo di suolo.

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In materia di consumo di suolo, tra i principali obiettivi a livello europeo vi è, infatti, l'allineamento del consumo alla crescita demografica entro il 2030, un bilancio non negativo del degrado del territorio entro il 2030 (Agenda 2030 per lo sviluppo sostenibile), il raggiungimento di consumo pari a zero entro il 2050 (Strategia dell'UE per il suolo per il 2030), evitare l'impermeabilizzazione di ulteriore superficie di suolo (Protocollo della protezione del suolo, Convenzione delle Alpi, 1988). In questo quadro, la rigenerazione di aree industriali dismesse si offre come un'opportunità per strategie ambientali "emergenti" e per una differente gestione delle risorse all'interno di processi di economia circolare. Alla luce dell'attuale crisi energetica, infatti, si rende necessario un cambio di visione che affronti tali problematiche oltre la semplice conservazione e tutela dell'ambiente per spingersi verso una sua rigenerazione.

Verrà condotta una lettura che guardi alle trasformazioni antropiche e ai caratteri costitutivi dei luoghi (sistema idrografico, orografico, insediativo) per comprendere i territori della produzione in relazione:

- all'impatto che esercitano sul patrimonio naturale: in particolare sullo spazio agricolo e sulla rete idrografica;
- al disegno delle infrastrutture; al suo sistema in reti (le principali vie di comunicazione); poli intermodali e regionali e "nodi" (gli agglomerati industriali di interesse regionale).

Il progetto di ricerca intercetta nello specifico le tematiche trattate nei tre Research Topic dello Spoke 4 all'interno dei quali è coinvolta l'Università di Udine: RT 1, RT 2 e RT 3.

Il tema che si pone è quello di una progettazione consapevole che interpreti con appropriatezza le istanze sociali, culturali ed economiche, confrontandosi con due scale e due misure del progetto: la prima riferita ai rapporti territoriali estesi; la seconda alle relazioni di prossimità, prefigurando così un inedito paesaggio urbano che si istituisce in continuità con il contesto circostante.

Il patrimonio industriale sarà inoltre oggetto di indagine in quanto prodotto edificato, con approfondimenti relativi alla forma costruita, alle tipologie di materiali e tecniche costruttive, proponendo soluzioni e metodologie innovative e coerenti con una logica di sostenibilità.

La ricerca lavorerà su una serie di casi studio presenti sul territorio regionale ritenuti di interesse per il rapporto che stabiliscono con il paesaggio facendo riferimento a tre tipologie differenti da assumere per l'indagine: grandi sistemi produttivi (esempi emblematici sono rappresentati in Udine dall'area dell'ex-acciaieria Safau o dall'area dell'ex acciaieria Bertoli); singoli edifici collocati in contesti extraurbani; singoli edifici in aree urbane.

L'attività di ricerca della durata di dodici mesi verrà condotta sotto la diretta supervisione del Responsabile scientifico, prevalentemente presso la sede del Campus Rizzi dell'Università degli Studi di Udine. Sono previste una serie di verifiche intermedie volte a valutare lo stato di avanzamento della ricerca seguendo una scansione indicativamente trimestrale. Si prevede:

- trimestre 1: verifica dello stato dell'arte e aggiornamento bibliografico, costruzione di un repertorio storico e cartografico ragionato che consenta di guidare e indirizzare la scelta dei casi studio da approfondire;
- trimestre 2: elaborazione di mappe e predisposizione di un database georeferenziato che individui i casi studio all'interno del territorio regionale. Al termine di questo secondo trimestre è prevista una prima pubblicazione degli esiti raggiunti;
- trimestre 3: attività di monitoraggio, rilievo e ridisegno di uno o due casi studio;
- trimestre 4: predisposizione di strategie di valorizzazione e proposte progettuali che integrino la scala del paesaggio con quella di nuove proposte tecnologiche ritenute appropriate al sito e al tipo di intervento.

A conclusione è prevista la stesura dei risultati tramite una giornata studi finalizzata alla condivisione e alla divulgazione degli esiti.

La ricerca intende costruire scenari possibili di intervento in aree industriali dismesse attraverso un approccio multi-scalare e interdisciplinare, allo scopo di definire un metodo di indagine con cui saper guardare e intervenire in contesti simili. Scopo della ricerca è quello di proporre soluzioni riferite al recupero di queste aree dismesse, che vadano oltre la mera sostituzione con funzioni altre rispetto a quelle precedenti, auspicando una riflessione verso nuove e talvolta inedite azioni di riuso e riciclo.

Analisi e indagini saranno finalizzate all'individuazione di traiettorie di sviluppo di questi luoghi dell'abbandono rispetto ai temi ambientali, energetici e della mobilità.

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Per il suo impatto sulla trasformazione dello spazio, la transizione energetica costituisce un tema per l'architettura e il progetto urbano. L'introduzione di nuovi sistemi di produzione di energia – fotovoltaico, agrivoltaico, eolico, ecc. – assume il suolo, la topografia, gli spazi verdi e i corpi idrici esclusivamente come parametri da impiegare in una logica di produzione.

Al contrario, le preesistenze industriali emergono dalla ricerca non come grandi «vuoti» che rischiano di essere ulteriormente de-figurati ma come spazi in attesa, luoghi vibranti di possibilità, dove la dis-ambientazione attuale può transitare verso un superamento della opposizione tra identità del luogo e alterità della forma.

Nello specifico, il progetto mira a:

- realizzare un ampio inquadramento critico e georeferenziato dei siti industriali in rapporto al sistema paesaggistico nel quale sono inseriti;
- definire scenari possibili di riuso per alcune tipologie di sito tra quelle citate nel presente bando;
- formulare buone pratiche di intervento su uno o più casi studio.

All'assegnista di ricerca sono richieste competenze d'uso e strumentali per il reperimento di dati su sistemi informatici/banche dati, e l'uso di programmi di elaborazione grafica, elaborazione immagini e impaginazione per la restituzione dei risultati in cartografie tematiche georeferenziate, di disegno e di schede (ad esempio Qgis; Photoshop; 3d Archicad; Autocad; Adobe Illustrator; Adobe Indesign; ecc).

Text in English:

The research project intends to investigate strategies and methodologies aimed at encouraging an improvement in architectural practice through an integrated approach to the theme of disused industrial heritage, proposing different reflections and solutions to be implemented at different scales, from that of the artefact to that of the city and the built landscape.

Inserted within the activity organized by the Innovation Ecosystem Consortium "iNEST – Interconnected Nord-Est Innovation Ecosystem" – the research specifically intercepts the themes addressed within Spoke 4 – "City, architecture and sustainable design" on the Northern-East territories of Italy and specifically on Friuli Venezia Giulia. This means highlighting the critical issues and fragilities – environmental, geological, seismic, but also demographic – as well as the constitutive characteristics of a historically strategic region. As the connections with the European TEN-T network show, Friuli Venezia Giulia – crossed by the Baltic-Adriatic, Mediterranean and Scandinavian-Mediterranean corridors – plays, in fact, a role as a true crossroads between Continental Europe and the Mediterranean.

Starting from a survey on a regional scale, the research aims to investigate the impact that the phenomena of contraction and disposal of the productive and industrial fabric have determined on the building heritage, on the natural landscape and on the infrastructure network to develop conceptual ideas and define practices and methodologies aimed at a "sustainable" and resilient transition of these places from abandonment.

The research intercepts themes consistent with the objectives of the European Green Deal regarding climate neutrality, energy transition and containment of land consumption.

In terms of land consumption, among the main objectives at European level there is, in fact, the alignment of consumption with population growth by 2030, a non-negative balance of land degradation by 2030 (Agenda 2030 for sustainable development), achieving zero consumption by 2050 (EU Soil Strategy 2030), avoiding sealing of additional soil surface (Soil Protection Protocol, Alpine Convention, 1988). In this context, the regeneration of abandoned industrial areas offers itself as an opportunity for "emerging" environmental strategies and for a different management of resources within circular economy processes. Considering the current energy crisis, in fact, is necessary a change of vision that addresses these problems beyond the simple conservation and protection of the environment to move towards its regeneration.

A reading will be conducted that looks at the anthropic transformations and the constitutive characteristics of the places (hydrographic, orographic, settlement system) to understand the territories of production in relation to:

- the impact they have on the natural heritage: in particular on the agricultural space and the hydrographic network;

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- the design of infrastructures; to its network system (the main communication routes); intermodal and regional hubs and “nodes” (industrial agglomerations of regional interest).

The research project specifically intercepts the topics covered in the three Research Topics of Spoke 4 in which the University of Udine is involved: RT 1, RT 2 and RT 3.

The theme that arises is that of conscious planning that appropriately interprets social, cultural, and economic issues, dealing with two scales and two measures of the project: the first refers to extended territorial relationships; the second to proximity relationships, thus prefiguring an unprecedented urban landscape that is established in continuity with the surrounding context.

The industrial heritage will also be the subject of investigation as a built product, with in-depth analysis relating to the built form, the types of materials and construction techniques, proposing innovative solutions and methodologies consistent with a logic of sustainability.

The research will work on a series of case studies present in the regional territory considered of interest for the relationship they establish with the landscape by referring to three different typologies to be taken for the investigation: large production systems (emblematic examples in Udine is the former Safau site or the area of the former Bertoli); individual buildings located in extra-urban contexts; individual buildings in urban areas.

The research activity lasting twelve months will be conducted under the direct supervision of the Principal Investigator, mainly at the Rizzi Campus of the University of Udine. A series of intermediate checks are planned to evaluate the progress of the research following an approximately quarterly schedule. It is expected:

- quarter 1: verification of the state of the art and bibliographic updating, construction of a reasoned historical and cartographic repertoire that allows you to guide and direct the choice of case studies to be explored;
- quarter 2: development of maps and preparation of a georeferenced database that identifies case studies within the regional territory. At the end of this second quarter, a first publication of the results achieved is expected;
- quarter 3: monitoring, survey and redesign of one or two case studies;
- quarter 4: preparation of valorization strategies and project proposals that integrate the landscape scale with that of new technological proposals deemed appropriate for the site and type of intervention.

At the end, the results will be drawn up through a study day aimed at sharing and disseminating the results.

The research intends to build possible intervention scenarios in disused industrial areas through a multi-scalar and interdisciplinary approach, with the aim of defining a method of investigation with which to be able to look at and intervene in similar contexts. The aim of the research is to propose solutions relating to the recovery of these abandoned areas, which go beyond the mere replacement with functions other than the previous ones, hoping for a reflection towards new and sometimes unprecedented reuse and recycling actions.

Analysis and investigations will be aimed at identifying development trajectories of these abandoned places with respect to environmental, energy and mobility issues.

Due to its impact on the transformation of space, the energy transition constitutes a theme for architecture and urban design. The introduction of new energy production systems – photovoltaic, agrivoltaic, wind, etc. – assumes the soil, topography, green spaces and water bodies exclusively as parameters to be used in a production logic.

On the contrary, the industrial pre-existences emerge from the research not as large “voids” that risk being further de-figured but as waiting spaces, places vibrant with possibilities, where the current dis-setting can move towards overcoming the opposition between the identities of place and otherness of form.

Specifically, the project aims to:

- create a broad critical and georeferenced framework of industrial sites in relation to the landscape system in which they are inserted;
- define possible reuse scenarios for some types of sites among those mentioned in this notice;
- formulate good intervention practices on one or more case studies.

The research fellow is required to have usage and instrumental skills for the retrieval of data on computer systems/databases, and the use of graphics processing, image processing and layout programs for the restitution

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of the results in georeferenced thematic maps, of drawing and tabs (e.g., Qgis; Photoshop; 3d Archicad; Autocad; Adobe Illustrator; Adobe Indesign; etc.).

Struttura dell'Università di Udine presso la quale verrà sviluppata l'attività di ricerca / Department or other structure of the University of Udine where research activities will be carried out:

Dipartimento Politecnico di Ingegneria e Architettura (DPIA). / Polytechnic Department of Engineering and Architecture.

Nota / Note: In base alle esigenze del progetto PNRR su cui grava il finanziamento, l'assegnista di ricerca potrà dover svolgere parte delle attività presso altre Università e Istituzioni coinvolte nel medesimo progetto. / Based on the needs of the PNRR project that finances the research grant, the research fellow may have to carry out part of the activities at other universities and institutions involved in the project.

Importo dell'assegno di ricerca (al lordo oneri carico assegnista) / Total grant gross for the research fellowship:

€ 19.456,00

Durata dell'assegno di ricerca / Duration of the research fellowship "assegno di ricerca":

12 mesi / months

Finanziamento / Financed by:

La copertura finanziaria graverà sul progetto Ecosistemi dell'Innovazione, PNRR – Missione 4: Istruzione e ricerca, Componente 2: Dalla ricerca all'impresa, Investimento 1.5: Creazione e rafforzamento di "Ecosistemi dell'innovazione", costruzione di "leader territoriali di R&S", finanziato dall'Unione Europea – NextGenerationEU. Progetto ECS0000043 (Area tematica: Digital, Industry, Aerospace) Interconnected Nord-Est Innovation Ecosystem (iNEST). Avviso MUR n. 3277 del 30/12/2021, Decreto Direttoriale di concessione del finanziamento n. 1058 del 23/06/2022, Atto d'Obbligo e di Accettazione firmato in data 01/08/2022, CUP G23C22001130006.

Requisiti di ammissione / Minimum qualifications necessary:

Possesso del titolo di Dottore di ricerca o titolo equivalente conseguito all'estero. / Possession of a research doctorate or equivalent qualification obtained abroad.

Modalità di presentazione della documentazione oggetto di valutazione / Arrangements for the submission of documents:

La modalità di presentazione della documentazione oggetto di valutazione è specificata all'art. 4 del bando. / The way of presenting the documentation under evaluation is specified in art. 4 of the present notice.

Ai fini valutativi, i candidati potranno presentare le pubblicazioni e ogni altro titolo ritenuto utile a comprovare la propria qualificazione in relazione al programma di ricerca descritto nell'Allegato A, nelle seguenti lingue: / For evaluation purposes, candidates may present publications and any other qualifications deemed useful to demonstrate their qualification in relation to the research program described in Attachment A, in the following languages:

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- Italiano / Italian
- Inglese / English

Procedura selettiva / Competition procedure:

Valutazione per titoli e colloquio. / Evaluation of titles and oral exam.

I risultati della valutazione dei titoli saranno resi noti agli interessati nel corso del colloquio. / The evaluation of the qualifications will be disclosed to candidates during the interview.

Calendario del colloquio / Calendar of the oral exam	Modalità / Modality	In presenza / On site
	Data / Date	12 giugno / June 2024
	Ora / Time	10:00 / 10:00 am (Italian time)
	Luogo / Place	Aula verde del Dipartimento Politecnico di Ingegneria e Architettura (DPIA) / Green room of the Polytechnic Department of Engineering and Architecture. via delle scienze, 206 – 33100 Udine

Per sostenere il colloquio i candidati devono esibire un valido documento di riconoscimento. / Candidates must come to the interview with a valid identity document.

Eventuali variazioni saranno rese note esclusivamente mediante pubblicazione all'albo ufficiale on line dell'Ateneo / Any change will be made public solely through publication on the University web site
http://web.uniud.it/ateneo/normativa/albo_ufficiale

Commissione giudicatrice / Examining Board:

Nome e Cognome	Qualifica	SSD	Università
Membri Effettivi / Permanent members			
Giovanni Comi	RTD	ICAR/14	Università degli Studi di Udine
Claudia Pirina	PA	ICAR/14	Università degli Studi di Udine
Alessandra Biasi	PA	ICAR/19	Università degli Studi di Udine
Membro Supplente / Temporary member			
Alberto Sdegno	PO	ICAR/17	Università degli Studi di Udine