



Finanziato  
dall'Unione europea  
NextGenerationEU



Ministero  
dell'Università  
e della Ricerca



Italiadomani  
PIANO NAZIONALE  
DI RIPRESA E RESILIENZA



UNIVERSITÀ  
DEGLI STUDI  
DI BERGAMO

## CHANCELLOR'S DECREE

*Dati desumibili dalla registrazione a protocollo:  
Numero Repertorio, Numero Protocollo, Titolo,  
Classe Fascicolo Allegati e Riferimenti*

**Object: Integration of public selection based on qualifications and interview for the awarding of n. 10 Early-stage grants for carrying out research activities, pursuant to art. 22 of law no. 240/2010 at various Departments of the University of Bergamo - Pica Code: 23AR033 (Rep. n. 890/2023 of 18.12.2023)**

## THE CHANCELLOR

HAVING SEEN the DR rep. n. 890/2023 of 18.12.2023 announcing the public selection based on qualifications and interview for the awarding of n. 10 Early-stage grants for carrying out research activities, pursuant to art. 22 of law no. 240/2010 at various Departments of the University of Bergamo - Pica Code: 23AR033;

GIVEN the art. 34 of Regulation (EU) 2021/241 which provides for the need to guarantee adequate visibility of the results of the investments and the European Union financing for the support offered and which requires that the recipients of the Union financing disclose the origin of the same and ensure their visibility.

HAVING SEEN operational instructions issued by the MUR to facilitate compliance with the aforementioned provisions, i.e., "Guidelines for information and communication actions by the Implementing Bodies";

HAVING ACKNOWLEDGED that subsequent to publication, the need to integrate the annex A of codes 1, 2, 3, 4, 5, 6, 7, 8 and 9 aforementioned notice was identified, with the precise indication of European Union funding;

RECOGNIZED therefore the need to integrate the aforementioned selection notice;

## DECREES

### Art. 1

In reference to the public selection based on qualifications and interview for the awarding of n. 10 Early-stage grants for carrying out research activities, pursuant to art. 22 of law no. 240/2010 at various Departments of the University of Bergamo - Pica Code: 23AR033, the annex A of codes 1, 2, 3, 4, 5, 6, 7, 8 and 9 has been integrated.

### Art. 2

Annex A of codes 1, 2, 3, 4, 5, 6, 7, 8, 9 of the aforementioned selection attached to this Decree entirely replaces that inserted in DR 890/2023 of 18.12.2023;

### Art. 3

The current decree is available on the website of the University of Bergamo [www.unibg.it](http://www.unibg.it) under the specially devoted section "Concorsi e selezioni-Assegni. Borse e contratti di ricerca-Assegni di ricerca"

Bergamo, *as per protocol registration*

IL RETTORE

(Prof. Sergio Cavalieri)

Documento firmato digitalmente ai sensi  
dell'art. 24 del D. Lgs. 82/2005



Finanziato  
dall'Unione europea  
NextGenerationEU



Ministero  
dell'Università  
e della Ricerca



Italiadomani  
PIANO NAZIONALE  
DI RIPRESA E RESILIENZA



UNIVERSITÀ  
DEGLI STUDI  
DI BERGAMO

## ANNEX A

### RESEARCH PROJECT - CODE 1

#### ***“Caring for Children with an Immigrant Background: A Cross-Sequential Longitudinal Study on Kindness Pillars and the Role of Dispositional and Contextual Factors in Early Childhood”***

**Research structure:** Department of Humanities and social sciences

**Department Resolution:** 23.10.2023

**Resolution of the Academic Senate:** 20.11.2023

**Resolution of the Board of Directors:** 23.11.2023

**Gross annual amount:** € 20.256,00

**Financial coverage:**

PRIN 2022 (DD MUR n.104 del 02.02.2022) finanziato dall'Unione europea – Next Generation EU  
BIAN\_F\_22\_RN\_PRIN\_01 - CUP: F53D23006170001 - ID MUR: 20228W9NE7\_03

**Duration of the grant:** 18 months

**Scientific Area:** 11 History, philosophy, pedagogy and psychology

**Competition sector:** 11/E2 - Developmental and Educational Psychology

**Scientific disciplinary sector:** M-PSI/04 - Developmental and Educational Psychology

**Scientific Director:** Prof.ssa Federica Bianco

**Entry requirement:**

Diploma di Laurea Specialistica (LS) o Laurea Magistrale (LM) in Psicologia (classi LM 51 o 58/S) ed equiparati, ovvero Diploma di Laurea (DL) conseguito secondo le modalità precedenti all'entrata in vigore del D.M. 509/1999 e s.m.i. e titoli equipollenti ai fini dell'ammissione ai pubblici concorsi

**Knowledge of the language:** English

**Additional qualifications evaluated by the Commission:**

- Participation in national or international research projects with data collection on developmental age
- Doctorate on issues of Developmental Psychology
- Experience in research on theory of mind and socio-emotional skills in preschool and school age

**Interview schedule:**

- Methodology of research in developmental psychology
- Relation among theory of mind and social relationships in pre-schoolers

**Description of the research project:**

The research in inserted within the PRIN funded project “Caring for Children with an Immigrant Background: A Cross-Sequential Longitudinal Study on Kindness Pillars and the Role of Dispositional and Contextual Factors in Early Childhood” (PI: Prof. Stefania Sette of Sapienza University; local unit manager: Prof. Federica Bianco of the University of Bergamo).

Identifying dimensions and antecedents of kindness toward children with an immigrant background (IB) is a fundamental educational goal to promote a climate of care and inclusion since preschool, especially in a period of conflicts and global crises (MI, 2022). According to Malti's model (2021), being kind requires (1) feeling concern for others' conditions (i.e., sympathy), (2) understanding other's mental perspectives (i.e., theory of mind – ToM), and (3) displaying voluntary behaviors to benefit others (i.e., prosocial behavior). Despite accumulating evidence supporting Malti's model (e.g., Eggum et al., 2011), there are still uninvestigated issues related to the emergence of kindness in early childhood. Firstly, most researchers have focused their attention on general sympathy, ToM, and prosocial behaviors, but less is



Finanziato  
dall'Unione europea  
NextGenerationEU



Ministero  
dell'Università  
e della Ricerca



Italiadomani  
PIANO NAZIONALE  
DI RIPRESA E RESILIENZA



UNIVERSITÀ  
DEGLI STUDI  
DI BERGAMO

known about how young children differentiate their emotions, perspectives, and prosocial behaviors as a function of the features of recipients (e.g., autochthonous vs. IB peers).

Secondly, while theoretically most scholars emphasize that kindness depends on the interplay between child dispositions (e.g., temperamental characteristics) and contextual factors (e.g., educational and socialization practices) (Malti, 2021; Malti & Dys, 2018), this premise is so far largely unexplored. Given this state of the art of literature and the unquestionable developmental advantage of kindness throughout the lifespan (e.g., mental health development; Nantel-Vivier et al., 2014), the project aims at longitudinally investigating the emergence of the three pillars of kindness. Innovatively, the study considers young children in preschool, when they begin to differentiate others based on specific characteristics of social groups (e.g., skin color; Nesdale, 2004). Moreover, it aims at enlarging the focus to the role of dispositional (i.e., temperamental characteristics, sleep regularity) and contextual factors (i.e., the relationships with parents, teachers, and peers; parents' and teachers' socio-cognitive and emotional competence and attitudes towards immigrants) on preschool children's kindness toward IB peers. By implementing a cross-sequential design (Schaie & Strother, 1968), a two-wave longitudinal study with 3- and 4-year-olds will be realized. Children will participate in tasks to assess sympathy, ToM, and prosociality toward autochthonous vs. IB peers.

Dispositional factors and contextual ones related to the family and school will be assessed.

Results will lead to a comprehensive kindness model to better support teachers, parents, and practitioners in developing new intervention practices to promote inclusive and respectful classroom contexts since preschool years.



Finanziato  
dall'Unione europea  
NextGenerationEU



Ministero  
dell'Università  
e della Ricerca



Italiadomani  
PIANO NAZIONALE  
DI RIPRESA E RESILIENZA



UNIVERSITÀ  
DEGLI STUDI  
DI BERGAMO

## RESEARCH PROJECT - CODE 2

### ***"Cultural communities and Books of Verse: The Italian context. Census, digital database, critical study."***

**Research structure:** Department of Letters, Philosophy, Communication

**Department Resolution:** 17.10.2023

**Resolution of the Academic Senate:** 23.10.2023

**Resolution of the Board of Directors:** 25.10.2023

**Gross annual amount:** € 20.256,00;

**Financial coverage:**

PRIN 2022 (DD MUR n.104 del 02.02.2022) finanziato dall'Unione europea – Next Generation EU

Codice progetto: CARM\_C\_22\_RN\_PRIN\_01 - CUP: F53D23007670006 – codice MIUR: 2022HYE33P

**Duration of the grant:** 18 months

**Scientific Area:** 10 - Antiquities, philology, literary studies, art history

**Competition sector:** 10/F1 - Italian Literature

**Scientific disciplinary sector:** L-FIL-LET/11 - Contemporary Italian Literature

**Scientific Director:** Prof.ssa Clizia Carminati

**Entry requirement:**

Diploma di Laurea Specialistica (LS) o Laurea Magistrale (LM) in Letteratura italiana (classi LM-14 Filologia moderna o 16/S 0 40/S Lingua e cultura italiana) ed equiparati, ovvero Diploma di Laurea (DL) conseguito secondo le modalità precedenti all'entrata in vigore del D.M. 509/1999 e s.m.i. e titoli equipollenti ai fini dell'ammissione ai pubblici concorsi.

**Knowledge of the language:** English, Latin

**Additional qualifications evaluated by the Commission:**

- Documented Research Experience On Seventeenth-Century Poetry, Particularly On Giovan Battista Marino
- Documented Experience Of Research Collaboration In Digital Projects On Italian Studies On The Renaissance And Modern Periods, Particularly On Relational Databases
- Research Experience On XVII Century Book History
- Experience In Tutoring Bachelor And Master's Students In The Introduction To Digital Humanities Applied To Italian Literature

**Interview schedule:**

The interview will focus on the history of Italian poetry from the Renaissance to the late 17th century with analysis of concrete examples and ancient books and particular attention to their treatment for inclusion in a relational database.

**Description of the research project:**

The candidate will have to follow entirely the PRIN project "Cultural communities and Books of Verse: the Italian context" funded by the MUR. Once the research group has listed the volumes of lyric poetry of a single author as well as of more authors, published in the period 1600-1699, the candidate will contribute to (1) populate the Lyra database ([lyra.unil.ch](http://lyra.unil.ch)) with the volumes data; (2) enrich the census and (3) cooperate with the PI in the coordination and tasks assignment to all the project collaborators. The candidate will be responsible for entering the volumes of 20 years assigned to the Bergamo unit, and describing their structures. In addition, the candidate will collaborate in the foundation and tutoring of the "Poetry 17" section of the "Italian Literature and Digital Humanities" internship by following the students involved and reviewing their work for inclusion in the Lyra website. He/she will also participate in the definition of the website back-end and in the selection of volumes dedicated to cultural communities: one or more of them will be the topic of at least one scientific class-A paper.



Finanziato  
dall'Unione europea  
NextGenerationEU



Ministero  
dell'Università  
e della Ricerca



Italiadomani  
PIANO NAZIONALE  
DI RIPRESA E RESILIENZA



UNIVERSITÀ  
DEGLI STUDI  
DI BERGAMO

## RESEARCH PROJECT - CODE 3

### ***“Green infrastructure, policies on green spaces, and health outcomes: evidence from six small and medium-sized Italian cities for future urban adaptation plans”***

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

**Department Resolution:** 09.10.2023

**Resolution of the Academic Senate:** 23.10.2023

**Resolution of the Board of Directors:** 25.10.2023

**Gross annual amount:** € 22.680,00;

**Financial coverage:**

PRINN PNRR2022 – “Urban green infrastructure, policies on green spaces and health outcomes: evidence from six small and medium-sized Italian cities for future urban adaptation plans” – PRIN 2022 PNRR M4C2 finanziato dall'Unione europea – Next Generation EU (DD MUR n. 1409 del 14/09/2022) codice progetto: GARD\_E\_22\_RN\_PRIN\_02 – CUP F53D23010860001

**Duration of the grant:** 24 months

**Scientific Area:** 08 – Civil engineering and architecture

**Competition sector:** 08/F1 – Urban and Territorial Planning and Design

**Scientific disciplinary sector:** ICAR/20 – Urban and Regional Planning

**Scientific Director:** Prof. Emanuele Garda

**Entry requirement:**

Diploma di Laurea Specialistica (LS) o Laurea Magistrale (LM) in Pianificazione territoriale urbanistica e ambientale (classe LM-48 o 54/S) oppure in Ingegneria dei sistemi edilizi (classe LM-24 o 28/S Ingegneria civile) oppure in Ingegneria per l'ambiente e il territorio (classe LM-35 o 38/S) oppure in Architettura e ingegneria edile-architettura (classe LM-4 o 4/S) oppure in Architettura del paesaggio (classe LM-3 o 3/S) oppure in Scienze e tecnologie per l'ambiente e il territorio (classe LM-75 o 82/S) oppure in Scienze geografiche (classe LM-80 o 21/S Geografia) oppure in Progettazione e gestione dei sistemi turistici (classe LM-49 o 55/S) oppure in Filologia moderna (classe LM-14 o 16/S o 40/S Lingua e cultura italiana) oppure in Lingue e letterature moderne europee e americane (classe LM-37 o 42/S) ed equiparati, ovvero Diploma di Laurea (DL) conseguito secondo le modalità precedenti all'entrata in vigore del D.M. 509/1999 e s.m.i. e titoli equipollenti ai fini dell'ammissione ai pubblici concorsi.

**Knowledge of the language:** English

**Additional qualifications evaluated by the Commission:**

- Research experience in Italy or abroad on topics consistent with the content of the research project;
- Possible possession of a PhD degree with doctoral thesis consistent with the topics covered by the research project;
- Knowledge of GIS and spatial analysis software and their use in research and/or professional experience.

**Interview schedule:**

The interview involves assessing the theoretical knowledge and application skills of the candidates with respect to the topics presented in the research project. In particular, the following topics will be addressed: i) correlations between city structure, urbanization of soils and health status of individuals; ii) land use and urban planning policies and tools for the management and implementation of green areas in urban contexts; iii) analysis of urban spaces, iv) application of tools and software GIS for spatial analysis.

**Description of the research project:**



Finanziato  
dall'Unione europea  
NextGenerationEU



Ministero  
dell'Università  
e della Ricerca



Italiadomani  
PIANO NAZIONALE  
DI RIPRESA E RESILIENZA



UNIVERSITÀ  
DEGLI STUDI  
DI BERGAMO

The objective of the study is to define whether there is a correlation between city structure (spatial and functional), urban green space policies, and citizen health outcomes. In particular, a number of medium-sized Italian cities with common characteristics but with a different relationship between spatial structure and green areas due to their specific morphological configuration will be analyzed. From the perspective of citizen health, the project will focus on diseases related to metabolic syndrome and mental health.

The following issues will be analyzed for each city:

- The health status of the population, also using data provided by a sample of general practitioners.
- Presence and type of green areas and open spaces in cities.
  - Content and purpose of urban and town planning policies regarding green areas, green infrastructure and related Ecosystem Services.
- Content and purpose of climate change adaptation plans.

The research will also involve:

- Participation in meetings with project partner.
- Participation in round tables, workshops, and other dissemination activities.
- The preparation of research reports and guidelines, integrated with human health issues, necessary for the implementation of policies for green areas and fighting climate change.
- Participation in the preparation of scientific products for dissemination in national and international contexts.





Finanziato  
dall'Unione europea  
NextGenerationEU



Ministero  
dell'Università  
e della Ricerca



Italiadomani  
PIANO NAZIONALE  
DI RIPRESA E RESILIENZA



UNIVERSITÀ  
DEGLI STUDI  
DI BERGAMO

## RESEARCH PROJECT - CODE 4

### *“Tailor-made Light Alloys for Light Vehicles Modular Design”*

**Research structure:** Department of Engineering and applied sciences

**Department Resolution:** 10.11.2023

**Resolution of the Academic Senate:** 20.11.2023

**Resolution of the Board of Directors:** 23.11.2023

**Gross annual amount:** € 20.256,00;

**Financial coverage:**

PRIN 2022 - “Tailor-made Light Alloys for Light Vehicles Modular Design”

PRIN 2022 (DD MUR n.104 del 02.02.2022) finanziato dall'Unione europea – Next Generation EU

codice progetto: LORE\_S\_22\_RN\_PRIN\_01 - CUP: F53D23002550006

**Duration of the grant:** 12 months

**Scientific Area:** 09 Industrial and information engineering

**Competition sector:** 09/D1 - Materials Science and Technology

**Scientific disciplinary sector:** ING-IND/22 - Materials Science and Technology

**Scientific Director:** Prof. Sergio Lorenzi

**Entry requirement:**

Diploma di Laurea Specialistica (LS) o Laurea Magistrale (LM) in Ingegneria meccanica (classi LM-33 o 36/S) ed equiparati, ovvero Diploma di Laurea (DL) conseguito secondo le modalità precedenti all'entrata in vigore del D.M. 509/1999 e s.m.i. e titoli equipollenti ai fini dell'ammissione ai pubblici concorsi and equivalent qualifications.

**Knowledge of the language:** English

**Additional qualifications evaluated by the Commission:**

- Experimental thesis on the topic of the present grant or topics related to the research grant activities;
- Knowledge of materials and techniques for characterizing chemical, physical and mechanical properties;
- Specific laboratory experience in the use of experimental materials characterization techniques involved in the grant activities;
- Knowledge of metallic materials and corrosion and protection of materials;
- Laboratory experience and knowledge of electrochemical equipment and techniques for corrosion and stress corrosion cracking testing;
- Experimental research experience in the field of materials and development of experimental test setups;
- Knowledge of 3D printing and laser powder bed fusion systems;
- Skills in the field of metallic materials, characterization of materials and raw materials;
- Knowledge of software packages for materials simulation;
- Experience in the characterization and qualification of 3D printing materials.

**Interview schedule:**

The oral examination will focus on typical topics of ssd ING-IND/22, more specifically:

- Correlation between structure and properties of materials
  - Metallic materials, light alloys and corrosion-resistant alloys
  - Corrosion and protection of metals, electrochemical techniques for the study of corrosion
- Materials for additive technologies and 3D metal printing
- Techniques for the advanced characterization of materials



Finanziato  
dall'Unione europea  
NextGenerationEU



Ministero  
dell'Università  
e della Ricerca



Italiadomani  
PIANO NAZIONALE  
DI RIPRESA E RESILIENZA



UNIVERSITÀ  
DEGLI STUDI  
DI BERGAMO

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

The aim of the research project is the development and properties assessment of an innovative high-strength lightweight alloy for light electric vehicles manufacturing. According to the European Union, the transport sector produces the 28% of the total carbon dioxide (CO<sub>2</sub>) and the use of Electric Vehicles (EVs) or assisted vehicles should be viable solutions to reduce emissions. Hybrid mobility should also increase the health quality of citizens by promoting active mobility, thus decreasing sedentariness diseases. In this view, the development of agile modular vehicles could catalyse the mobility transition to more distributed and clean solutions, simpler and more compact, affordable with reduced maintenance costs and readily available. The lightweighting trends in mobility driven by sustainability, cost savings, and performance increased the demand for materials and design concepts able to overcome the basic weight reduction and structural efficiency limits. Particular attention is paid to light metals, recyclable and flexible in terms of performances which can be further enhanced by innovative design solutions enabled by additive manufacturing (AM) technologies, mainly laser powder bed fusion (LPBF). Extremely fine microstructures characterized by outstanding mechanical properties as well as improved components stiffness due to the almost infinitive design solutions. In addition, the powder feedstock used for the manufacturing can be tailor-made inside gas atomizers, which enable the development of brand-new alloys designed to overcome traditional alloys compositions, performances as well as durability. Among them, alloys based on Al-Si- Mg system with addition of elements like Cu or Ni, or with addition of ceramic micrometric reinforcements, such as TiC or TiB<sub>2</sub>, are very promising and some preliminary studies seem to offer outstanding outlooks that can fit well with the requirements of electric mobility transition. In the last years, several studies pointed out that LPBF alloys has unique properties which led to different behaviours compared to the same alloys processed through conventional processes in terms of corrosion, fatigue, and corrosion-fatigue resistance. Corrosion performances must be investigated as they affect the material durability, which is strictly connected to sustainability and safety. Since several years the collaboration between Politecnico di Torino - leader in the development of new alloys by AM - and the Università degli Studi di Bergamo - recognized at international level for the specific expertise in the study of corrosion behaviour of alloys produced by means of LPBF - is well established. In the present project, the two teams will be involved in the design and production by gas atomization of a new alloy to be manufactured by LPBF for modular EVs and then in the microstructural and mechanical characterization as well as in the corrosion, stress corrosion cracking and corrosion-fatigue characterizations.





Finanziato  
dall'Unione europea  
NextGenerationEU



Ministero  
dell'Università  
e della Ricerca



Italiadomani  
PIANO NAZIONALE  
DI RIPRESA E RESILIENZA



UNIVERSITÀ  
DEGLI STUDI  
DI BERGAMO

## RESEARCH PROJECT - CODE 5

### ***"Collection, processing, harmonization, and statistical analysis of spatiotemporal sensor data on mobility and environment"***

**Research structure:** Department of Economics

**Department Resolution:** 19.10.2023

**Resolution of the Academic Senate:** 23.10.2023

**Resolution of the Board of Directors:** 25.10.2023

**Gross annual amount:** € 24.300,00;

**Financial coverage:**

PRIN-PNRR-2022 - progetto SIGNUM

PRIN 2022 PNRR M4C2 finanziato dall'Unione europea - Next Generation EU (DD MUR n. 1409 del 14/09/2022)

CUP: F53D23010910001 - codice progetto: ETU\_R\_22\_RN\_PRIN\_SIGNUM\_01;

**Duration of the grant:** 12 months (annual renewal option)

**Scientific Area:** 13 - Economics and statistics

**Competition sector:** 13/D1 - Statistics

**Scientific disciplinary sector:** SECS-S/02 - Statistics for Experimental and Technological Research

**Scientific Director:** Prof. Rodolfo Metulini

**Entry requirement:**

Diploma di Laurea Specialistica (LS) o Laurea Magistrale (LM) ed equiparati in Scienze statistiche (classi LM-82 o 91/S Statistica economica, finanziaria ed attuariale) oppure in Scienze Statistiche Attuariali e Finanziarie (classi LM-83 o 91/S) oppure in Statistica demografica e sociale (classi 90/S o LM-82 Scienze statistiche) oppure in Metodi per l'analisi valutativa dei sistemi complessi (classi 48/S o LM-82) oppure in Statistica per la ricerca sperimentale (classi 92/S o LM-82) oppure in Ingegneria informatica (classi LM-32 o 35/S) oppure in Ingegneria gestionale (classi LM-31 o 34/S) oppure in Ingegneria Meccanica (classi LM-33 o 36/S) oppure in Modellistica Matematico-Fisica per l'Ingegneria (classi LM-44 o 50/S) oppure in Matematica (classi LM-40 o 45/S) ed equiparate, ovvero Diploma di Laurea (DL) conseguito secondo le modalità precedenti all'entrata in vigore del D.M. 509/1999 e s.m.i. e titoli equipollenti ai fini dell'ammissione ai pubblici concorsi.

**Knowledge of the language:** English, Italian

**Additional qualifications evaluated by the Commission:** /

**Interview schedule:**

The interview will ascertain the applicant's qualifications, knowledge of the English language, and expertise in the project's subject matter. Particular attention will be paid to knowledge about i) Elements of basic Statistics and regression models; ii) (Big) spatial, spatiotemporal data management and statistical analysis of such data; iii) Programming knowledge in a statistical software environment.

**Description of the research project:**

The research project is part of the PRIN PNRR 2022 SIGNUM: "Study of mobile phone signals for the evaluation of the interconnections between Mobility and the environment in Lombardy" (CUP: F53D23010910001). The candidate will be asked to carry out i) a review of the literature (state of the art) on the typology of sensor data coming from mobile phones and their use in statistical applications; ii) selecting, collecting and processing mobile phone data in order to create a complete and manageable dataset; iii) harmonizing this dataset with a dataset relating air quality, with the use of appropriate



Finanziato  
dall'Unione europea  
NextGenerationEU



Ministero  
dell'Università  
e della Ricerca



Italiadomani  
PIANO NAZIONALE  
DI RIPRESA E RESILIENZA



UNIVERSITÀ  
DEGLI STUDI  
DI BERGAMO

statistical interpolation techniques (e.g. smoothing). A subsequent phase will concern the study of the complex relations between the features of the final obtained dataset containing mobile phone data on crowding and mobility data as well as environmental and air quality data.



Finanziato  
dall'Unione europea  
NextGenerationEU



Ministero  
dell'Università  
e della Ricerca



Italiadomani  
PIANO NAZIONALE  
DI RIPRESA E RESILIENZA



UNIVERSITÀ  
DEGLI STUDI  
DI BERGAMO

## RESEARCH PROJECT - CODE 6

***“Governing the socio-ecological reconciliation of the mobility infrastructures: geographies, actors, and processes at the local scale”***

**Research structure:** Department of Engineering and Applied Sciences  
**Department Resolution:** 09.10.2023

**Resolution of the Academic Senate:** 23.10.2023  
**Resolution of the Board of Directors:** 25.10.2023

**Gross annual amount:** € 20.256,00;

**Financial coverage:**

PRIN PNRR 2022 “SEW Line. Socio-Ecological Way for a holistic mobility infrastructure planning in periurban and rural landscape” - PRIN 2022 PNRR M4C2 finanziato dall'Unione europea - Next Generation EU (DD MUR n. 1409 del 14/09/2022)

codice progetto: PARI\_M\_22\_RN\_PRIN\_SEWLINE\_01 - CUP: F53D23010770001

**Duration of the grant:** 24 months

**Scientific Area:** 08 - Civil engineering and architecture

**Competition sector:** 08/F1 - Urban and Territorial Planning and Design

**Scientific disciplinary sector:** ICAR/21 - Urban Design and Landscape

**Scientific Director:** Prof. Mario Paris

**Entry requirement:**

Diploma di Laurea Specialistica (LS) o Laurea Magistrale (LM) in Pianificazione territoriale urbanistica e ambientale (classe LM-48 o 54/S) oppure in Scienze geografiche (classe LM-80 o 21/S Geografia) oppure in Architettura del paesaggio (classe LM-3 o 3/S) oppure in Architettura e ingegneria edile-architettura (classe LM-4 o 4/S) oppure in Ingegneria dei sistemi edilizi (classe LM-24 o 28/S Ingegneria civile) ed equiparati, ovvero Diploma di Laurea (DL) conseguito secondo le modalità precedenti all'entrata in vigore del D.M. 509/1999 e s.m.i., o equipollente titolo straniero, riconosciuto valido secondo le vigenti disposizioni normative.

**Knowledge of the language:** English

**Additional qualifications evaluated by the Commission:**

- Previous experiences in study and researches on the topics covered by the call, and focused on the aspects of collaboration and interaction with the local scale and local actors;
- Specialization or training courses on the themes of the research project already attended by the candidate;
- Previous experiences and/or collaborations with local authorities and third sector entities active in the field of territorial protection and local promotion.

Other experiences and qualifications of the candidates possibly subject to evaluation:

- Advanced knowledge of GIS software;
- Advanced knowledge of CAD software;
- Advanced knowledge of other geographical analysis and representation software packages;
- Previous experience or activities, if any, in listening to local communities, interaction with local entities, and/or social animation and participation activities.

**Interview schedule:**

The interview aimed at assessing the candidate's profile and his/her aptitude for the research object of the research, based on the relevance of qualifications with the research programme object of selection,



Finanziato  
dall'Unione europea  
NextGenerationEU



Ministero  
dell'Università  
e della Ricerca



Italiadomani  
PIANO NAZIONALE  
DI RIPRESA E RESILIENZA



UNIVERSITÀ  
DEGLI STUDI  
DI BERGAMO

the consistency of the candidate's overall profile with respect to the content of the research programme object of selection, the relevance of experiences, publications, thesis and scientific products presented with the research programme object of selection and the candidate's aptitude for the research object of the selection.

**Description of the research project:**

The aim of the project dealing with the Governance of the infrastructure insertion process (railways and motorways) connected to the all'Autostrada A58 BreBeMI and the AC/AV railway Milan-Venice. The candidate will focus on the role of institutional and non-institutional local actors. Over the two years of the involvement, the candidate will document the territorial relationship systems and the governance processes of the case studies, actively collaborating in the implementation of the workshops.

The candidate will explore the stratification of socio-territorial processes of the contexts within which the case studies are developed. Thanks to this, it will be possible to reconstruct the man-nature relationship over time and to identify the functional specificities of the territory and to deepen - or prefigure - the impacts deriving from the insertion of large infrastructures. This information will be the basis for giving a diagnostic reading of the territorial context of the case studies and for identifying the areas of influence of the interventions and the actors involved in the processes.

The candidate will work closely with the supervisor and team of the Local Research Unit and other project partners and will be expected to collaborate in information management and transmission activities, report writing and scientific products, as well as dissemination of research results and public engagement activities with respect to the topics under study.



Finanziato  
dall'Unione europea  
NextGenerationEU



Ministero  
dell'Università  
e della Ricerca



Italiadomani  
PIANO NAZIONALE  
DI RIPRESA E RESILIENZA



UNIVERSITÀ  
DEGLI STUDI  
DI BERGAMO

## RESEARCH PROJECT - CODE 7

### *"Business Models for Local Delivery Platforms"*

**Research structure:** Department of Business Science

**Department Resolution:** 17.10.2023

**Resolution of the Academic Senate:** 23.10.2023

**Resolution of the Board of Directors:** 25.10.2023

**Gross annual amount:** € 20.220,00;

**Financial coverage:**

PRIN 2022 (DD MUR n.104 del 02.02.2022) finanziato dall'Unione europea – Next Generation EU

codice progetto: PEDE\_G\_22\_RN\_PRIN\_01 – CUP: F53D23002920006 – protocollo MUR: 20227SC9CC\_03

**Duration of the grant:** 12 months

**Scientific Area:** 13 - Economics and statistics

**Competition sector:** 13/B2 - Management

**Scientific disciplinary sector:** SECS-P/08 - Management

**Scientific Director:** Prof. Giuseppe Pedeliento

**Entry requirement:**

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

**Knowledge of the language:** English

**Additional qualifications evaluated by the Commission:** /

**Interview schedule:**

During the interview, besides assessing English proficiency, candidates will be required to discuss and provide further details about their previous experiences, eventual publications and other scientific outputs presented for the initial screening.

**Description of the research project:**

With platform economy becoming a hegemonic model in market exchanges, consumers are now getting used to the idea of receiving items ordered online in hours and not days, and companies are pressured to move toward an instant delivery-of-everything world. This trend, pushed by Covid-19, has created a new business environment in which large, global, multi-sided platforms are competing with local, small-scale initiatives. Even if large multi-sided platforms (e.g. Amazon, Deliveroo, Glovo) allow small and medium businesses to grow, they are criticized for the huge quantities of packaging used, undignified working conditions, impersonal standardized digital interface, increased transportation's usage and emissions. Some platforms have recently started to change the last mile delivery toward more sustainable solutions. For instance, they use cargo-bikes and low impact solutions offered by express couriers (e.g. Bartolini, TNT), typically used by local platforms. Moreover, they are questioned for their disproportionated power as gatekeepers and for the exploitation and asymmetries they create against local suppliers. Local delivery platforms may have the unprecedented opportunity to overcome these drawbacks. Nevertheless, an overall framework still lacks for guiding the design and management of local platforms in developing a new competitive positioning, in which local resources are protected and promoted in the



Finanziato  
dall'Unione europea  
NextGenerationEU



Ministero  
dell'Università  
e della Ricerca



Italiadomani  
PIANO NAZIONALE  
DI RIPRESA E RESILIENZA



UNIVERSITÀ  
DEGLI STUDI  
DI BERGAMO

interest of local stakeholders (suppliers, consumers and the local community) in order to compete with larger platforms.

The aim of the project is to define a prototype of a local delivery platform that creates value by promoting and leveraging local resources while meeting local stakeholders' needs. Local delivery platforms are poised to generate profits at scale as they actively integrate multiple impacts on the society and the environment and put consumers at the core of their business model. Thus, local platforms differentiate from large ones, as they focus on environmental and social value drivers, and purposefully distance themselves from logistics, convenience, and other operational value drivers.

Therefore, the project addresses the following question: Which characteristics should a business model for local delivery platforms have to respect the environment and the society while putting the relationship with local stakeholders at its focus? This project has at its core the ability to bring business and local society together while competing with big online platforms which drain resources from the local context.





Finanziato  
dall'Unione europea  
NextGenerationEU



Ministero  
dell'Università  
e della Ricerca



Italiadomani  
PIANO NAZIONALE  
DI RIPRESA E RESILIENZA



UNIVERSITÀ  
DEGLI STUDI  
DI BERGAMO

## RESEARCH PROJECT - CODE 8

### ***"Aesthetic and creativity in supporting the cognitive functioning of neurological patients: validation of a new e-health rehabilitation protocol (CLICK)"***

**Research structure:** Department of Humanities and Social sciences

**Department Resolution:** 24.10.2023

**Resolution of the Academic Senate:** 20.11.2023

**Resolution of the Board of Directors:** 23.11.2023

**Gross annual amount:** € 19.367,00;

**Financial coverage:**

PRIN 2022 (DD MUR n.104 del 02.02.2022) finanziato dall'Unione europea – Next Generation EU

RUSC\_M\_22\_RN\_PRIN\_01 - CUP: F53D23012550006 - ID MUR: 202287WTN4\_02

**Duration of the grant:** 12 months

**Scientific Area:** 11 - History, philosophy, pedagogy and psychology

**Competition sector:** 11/E1 - General Psychology, Psychobiology and Psychometrics

**Scientific disciplinary sector:** M-PSI/02 – Psychobiology and Physiological Psychology

**Scientific Director:** Prof.ssa Maria Luisa Rusconi

**Entry requirement:**

Diploma di Laurea Magistrale (LM) in Psicologia (classe LM-51 o 58/S) ed equiparati, ovvero Diploma di Laurea (DL) conseguito secondo le modalità precedenti all'entrata in vigore del D.M. 509/1999 e s.m.i. e titoli equipollenti ai fini dell'ammissione ai pubblici concorsi.

**Knowledge of the language:** English

**Additional qualifications evaluated by the Commission:**

Previous research experience of the candidate in areas inherent and/or related to the research project (creativity, divergent thinking, cognitive/psychological assessment, cognitive training, neuropsychology, aging).

**Interview schedule:**

The interview will be aimed at ascertaining and verifying, also through the discussion of the titles presented and the research carried out by the candidate, the ability and experience to collaborate in the research program covered by this competition notice. The interview will focus on the research project and the scientific production of the candidate and will also ensure knowledge of the English language. In particular, the interview will focus on the following topics:

- Theories and methodology of research in the field of healthy and pathological aging;
- Application of cognitive and behavioral interventions in neurological and neurodegenerative diseases;
- Any empirical research carried out by the candidate on topics related to the research project.

**Description of the research project:**

Cognitive/behavioural deficits related to stroke and degenerative pathologies are becoming increasingly common in relation to ageing populations. As a result, there is a progressive interest in the development of computerized rehabilitation tools, despite the awareness of some limitations on overall effectiveness. The project aims to validate a new computerized cognitive rehabilitation tool for patients suffering from mild cognitive impairment or stroke. The main objective is to increase the effectiveness of the intervention by combining cognitive training with a motivational protocol, based on aesthetic gratification and the enhancement of creativity, in line with recent literature that demonstrates the role of aesthetic gratification on the intrinsic motivation of individuals and with the proven contribution of creativity in rehabilitation programs, positively influencing mood and cognitive functioning. Click is proposed as an innovative personalized medicine tool, able to improve the autonomy and quality of life of patients.



Finanziato  
dall'Unione europea  
NextGenerationEU



Ministero  
dell'Università  
e della Ricerca



Italiadomani  
PIANO NAZIONALE  
DI RIPRESA E RESILIENZA



UNIVERSITÀ  
DEGLI STUDI  
DI BERGAMO

## RESEARCH PROJECT - CODE 9

### ***"Chinese complementary schools in Italy and their learners: analysis of political, teaching and identity-related aspects"***

**Research structure:** Department of foreign languages, literatures and cultures

**Department Resolution:** 09.10.2023

**Resolution of the Academic Senate:** 23.10.2023

**Resolution of the Board of Directors:** 25.10.2023

**Gross annual amount:** €20.256,00;

**Financial coverage:**

PRIN 2022 (DD MUR n.104 del 02.02.2022) finanziato dall'Unione europea – Next Generation EU  
P2022E72WS\_01 - PELL\_T\_22\_RN\_PRIN\_ECCO-ITALY\_01 - F53D23010610001

**Duration of the grant:** 24 months

**Scientific Area:** 10 Antiquities, philology, literary studies, art history

**Competition sector:** 10/N3 - Central and East Asian Cultures

**Scientific disciplinary sector:** L-OR/21 - Chinese and South Asian Languages and Literatures

**Scientific Director:** Prof.ssa Martina Caschera

**Entry requirement:**

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

**Knowledge of the language:** English, Italian

**Additional qualifications evaluated by the Commission:**

- PhD related to sector 10/N3 - CULTURES OF CENTRAL AND EASTERN ASIA, SSD L-OR/21 LANGUAGES AND LITERATURES OF CHINA AND SOUTH EASTERN ASIA;
- Any scientific publications related to the Chinese community in Italy and/or the world;
- Participation in and/or conduction of research groups on the subject of migrant communities in Italy, including the Chinese community;
- Participation in and/or conducting activities at or on behalf of public or private organisations on the subject of migrant communities, including the Chinese community;
- Professional activities for the benefit of migrant communities, including the Chinese community.

**Interview schedule:**

The interview will be aimed at ascertaining the ability to approach the analysis of the Chinese community, with particular attention to educational aspects, with the methodologies of anthropological investigation. Previous experience of contact with the Chinese community and analysis of aspects related to their condition in Italy is required. Knowledge of languages will be ascertained during the interview.

**Description of the research project:**

Objective: the project focuses on Chinese language complementary schools (huawen xuexiao 华文学校) which are primarily dedicated to learners of Chinese origin, where Chinese is taught as a heritage language. The investigation aims firstly to understand the relationship of the schools with the People's Republic of China and the influence of China's language policy towards overseas Chinese; secondly, the acquisitional aspects of the teaching of Chinese will be analysed, in coordination with the teaching of Italian in their schools; finally, the influence of the teaching in the huawen xuexiao in the formation of the learners' identity will be assessed.

Theoretical framework: Among the multifarious situations which may fall under the notion of multilingualism, the phenomenon of heritage language (HL) has received increasing attention from the international academic community (Valdés 2001, Cummins 2005, Hornberger & Wang 2008). Chinese, as



Finanziato  
dall'Unione europea  
NextGenerationEU



Ministero  
dell'Università  
e della Ricerca



Italiadomani  
PIANO NAZIONALE  
DI RIPRESA E RESILIENZA



UNIVERSITÀ  
DEGLI STUDI  
DI BERGAMO

a HL, has been devoted several articles and monographs (Kondo-Brown 2006; He 2006; He 2008; Curdt-Christiansen and Hancock 2014 among other).

Chinese as HL (CHL) and their speakers are the target of a long-standing tradition of activities of support, launched by the People's Republic of China. China has strengthened internationalisation policies aiming at the diffusion of Chinese language among Chinese nationals residing abroad (huaqiao) and among foreign nationals with Chinese origin (huaren) and their descendants (huayi). The Overseas Chinese Affairs Office and other relevant institutions, especially since 2001, have chosen different channels for this purpose: from the support to Chinese complementary schools (huawen xuexiao) abroad, to the standardisation of the courses offered therein, to the proposal of study programs in China for huaqiao and huaren (Yao 2017). Among the several Chinese complementary schools distributed all over the world, the Italian experience has a rather respectable relevance. In particular, the schools in Tuscany constitute a very insightful experiment (Ceccagno 2004, Pedone 2006, 2013, Omodeo 2015, Yan et al. 2015, Ardizzoni 2017, Chen and Li 2019, Paciocco 2021). Yet the influence of China's language ideology and China's image towards Chinese HL learners in Italy has not been assessed in depth. On the one hand, in the last ten years China's proposal of its own image has become more self-assured and assertive; on the other hand, the global events that happened during the last years (the COVID-19 pandemic, the commercial and military wars involving directly or indirectly China and the West) have contributed, to worsen China's image in Italy. This unusual sharp contrast of narrations has repercussions on Chinese heritage communities, hence it is urgent to provide a fresh investigation on these matters.

Research project description: The project ECCO-Italy (Education of Children of Chinese Origin in Italy) aims to investigate the patterns of language socialization of the latest generations of young people of Chinese origin. Specifically, the patterns emerging at Chinese complementary schools (huawen xuexiao) in Italy will be explored: hence, the subjects of our research will be heritage language learners (HLL). Among the several aspects constituting the process of language socialization, ECCO-Italy project will pay particular attention to 1) the long-term effects that HL learning determines on the process of learning the language of the host community (Italian). For this purpose, phenomena of language socialization in the environment in which they formally learn Italian, the compulsory school, will be taken into account as well. Furthermore, the members of ECCO-Italy project will 2) assess the possible influence of contemporary language ideology, as narrated by the People's Republic of China, on the various articulations of Chinese complementary schools on the Italian territory. Both aspects are reckoned pivotal in the process of socialization into the communities into which children of Chinese origin are introduced: into the communities of so-called first generation Chinese migrants, into the communities of European Italian people, and into the communities formed by individuals who share the experience of growing up in Italy within Chinese families. The research will show that when education based on policies enhancing a fully bilingual education is implemented, language socialization may prove helpful in a process of inclusive growth into society.

Key words (max 5): Chinese as a heritage language, Chinese language ideology, language socialization, language acquisition, identity

Time:

Months 0-6: thorough review of the relevant literature about the fields involved in the research, in particular the situation of the linguistic education of children of Chinese origin in Italy; situation of Chinese immigrants in Italy; survey about the major Chinese complementary schools in the main macro-regions of Italy, first contacts with the possible partners for case studies.

Months 7-16: observations in classes at least in 4 Chinese complementary schools, interviews with teachers and principals, interviews with families; observations in classes at least in 4 Italian compulsory schools connected; interviews with teachers and principals, interviews with families; interviews with at least 8 adult members of HL communities.

Months 17-20: collaboration in the analysis of the data collected.

Months 21-24: collaboration in dissemination.

Expected results: participation in the drafting of working papers, organisation of dissemination activities