







#### BANDO PUBBLICO PER LA SELEZIONE DI PROPOSTE PROGETTUALI DA FINANZIARE NELL'AMBITO DELLE TEMATICHE DELLO SPOKE 5 "INNOVAZIONI: ECOSISTEMI PER LE ECONOMIE CIRCOLARI" PROGETTO PE 00000018 CUP D13C22002160001 GRINS - GROWING RESILIENT, INCLUSIVE AND SUSTAINABLE A VALERE SULLE RISORSE DEL PIANO NAZIONALE RIPRESA E RESILIENZA (PNRR) MISSIONE 4, "ISTRUZIONE E RICERCA" -COMPONENTE 2, "DALLA RICERCA ALL'IMPRESA" - INVESTIMENTO 1.3 – NEXT GENERATION EU

# ALLEGATO A

# PROPOSTA PROGETTUALE/ PROJECT PROPOSAL

(This attachment must be completed in English and digitally signed by the legal representative of the proposing entity. Enclose CV of resources engaged)











# Anagrafica del Soggetto Proponente (o Capofila, se progetto in collaborazione):

Anagrafica Ente			
Denominazione	Università degli Studi di Verona		
Indirizzo (sede legale)	Via dell'Artigliere, 8, 37129, Verona		
Indirizzo sede operativa (se diversa da quella legale)	Dipartimento di Management Via Cantarane, 24, 37129 Verona		
Telefono	045 8028252		
E-mail	rettorato@ateneo.univr.it		
PEC	ufficio.protocollo@pec.univr.it		
Codice Fiscale / P.IVA	93009870234/ 01541040232		
Indicare altri progetti PNRR	PNRR M4C2 Inv.1.5 - Ecosistemi dell'Innovazione		
cui il Soggetto Proponente stia già partecipando	• iNEST. Interconnected Nord-Est Innovation Ecosystem: Ruolo UNIVR: Spoke Agri-food e Affiliato agli Spoke di UNIBZ, UNITN, UNIPD, Ca' Foscari;.		
	PNRR M4C2 Inv.1.4 – Centri Nazionali		
	• Centro Nazionale di Ricerca Sviluppo di terapia genica e farmaci con tecnologia a RNA: Ruolo UNIVR: Affiliato allo Spoke di UNISI		
	• NBFC. National Biodiversity Future Center: Ruolo UNIVR: Affiliato allo Spoke di UNIPV.		
	PNRR M4C2 Inv.1.3 – Partenariati estesi		
	• HEAL ITALIA. Health Extended ALliance for Innovative Therapies, Advanced Lab-research, and Integrated Approaches of Precision Medicine: Ruolo UNIVR: Affiliato agli Spoke UNIROMA2, UNIBO, UNIROMA1, UNIMIB, UNIMORE, UNIPI;		
	• MNESYS. A multiscale integrated approach to the study of the nervous system in health and disease: Ruolo UNIVR: Spoke 7 Neuroimmunology and Neuroinflammation; Affiliato agli Spoke UNIPR, UNICAMPANIA, UNIBO, UNIFE e UNIGE		
	• CHANGES. Cultural Heritage Active Innovation for Sustainable Society: Ruolo UNIVR: Affiliazione diretta		













	allo Spoke di Ca' Foscari ex art. 6, comma 11 della L. 240/2010.	
	PNRR M4C2 Inv.3.1 – Infrastrutture	
	• SUS-MIRRI.IT. Strenghthening the MIRRI Italian Research Infrastructure for Sustainable Bioscience and Bioeconomy; Ruolo UNIVR: partner	
	• Strenghthening BBMRI.IT. Strenghthening of the Biobanking and Biomolecular Resources Research Infrastructure of Italy: Ruolo UNIVR: partner.	
	Maggiori dettagli sul sito: https://www.univr.it/it/pnrr	
Anagrafica Rappresentante I	Legale/Delegato	
Cognome e Nome	Nocini Pier Francesco	
Indirizzo (sede operativa)	Via Cantarane, 24, 37129 Verona	
Ruolo / Titolo	Rettore	

# Anagrafica del Partner 1 (se previsto)

Anagrafica Ente		
Denominazione		
Indirizzo (sede legale)	[Via/Piazza, Numero Civico]	
Indirizzo sede operativa (se diversa da quella legale)		
Telefono		
E-mail		
PEC		
Codice Fiscale / P.IVA		
Indicare altri progetti PNRR cui il Soggetto Proponente stia già partecipando		
Anagrafica Rappresentante Legale/Delegato		
Cognome e Nome		













Indirizzo (sede operativa)	[Via/Piazza, Numero Civico]
Ruolo / Titolo	

# Anagrafica del Partner 2 (se previsto)

Anagrafica Ente		
Denominazione		
Indirizzo (sede legale)	[Via/Piazza, Numero Civico]	
Indirizzo sede operativa (se diversa da quella legale)		
Telefono		
E-mail		
PEC		
Codice Fiscale / P.IVA		
Indicare altri progetti PNRR cui il Soggetto Proponente stia già partecipando		
Anagrafica Rappresentante Legale/Delegato		
Cognome e Nome		
Indirizzo (sede operativa)	[Via/Piazza, Numero Civico]	
Ruolo / Titolo		













# **Descrizione progetto / Project Summary:**

Acronimo progetto / Project acronym	DISRI
Tematica numero / Topic number (rif. Allegato 1)	T12
Titolo progetto / Project title (extended name, self-explanatory)	Data Integration of Survey & Reporting Information
Regione/i del Mezzogiorno nella quale si svolge il progetto (se presente/i)/ Region(s) in Southern Italy in which the project takes place (if any) (rif. art. 3 del bando)	
Durata (max 16 mesi) / Duration (max. 16 months)	Start date: June 2024 End date: September 2025
Costo totale / Total project budget (€):	80.000 €
Contributo richiesto / Total requested grant ( $\in$ ):	80.000 €
Coordinatore /	Name, Surname: Alessandro, Lai
Project coordinator	Affiliation: Department of Management, University of Verona
	e-mail address: alessandro.lai@univr.it
	Phone Number:+39 045 802 8574

Abstract (max 1500 characters including spaces)

The project is focused on gathering strategic information about the adoption of green innovations within firms. This information is crucial in order to understand the impact of these innovations on the environmental performance of economic activities. The starting point of the project is to analyse the non financial reporting data of Italian companies in order to assess business performance in terms of Circular Economy solutions.













Keywords (Free Keywords that mainly characterize the project)

Environmental regulation, Green technology innovation, Strategic innovation, CSRD reporting, Quantity and quality













# **Descrizione tecnica del progetto / Technical Description:**

#### A) Objectives and scientific quality (max 10 pag.) / Objectives and scientific quality (max 10 pages)

#### Obiettivi/ Objectives

**Objectives.** The project is focused on gathering strategic information about the adoption of green innovations within firms. This information is crucial in order to understand the impact of these innovations on the environmental performance of economic activities. The starting point of the project is to analyse the non financial reporting data of Italian companies in order to assess business performance in terms of Circular Economy solutions.

The motivation behind the project is that environmental and circular economy metrics lack a universally accepted standard, making comparisons difficult from several types of data.

As widely known, there is a limited scope of financial data about firms. The financial reports don't capture the environmental impact of a company's activities (pollution, resource use) or its efforts towards circularity (waste reduction, resource recovery).

However, the data about green innovations that can be achieved by surveys are different such as targeted surveys that can gather data on specific environmental practices (waste management, energy efficiency) and circular economy strategies (product design for recyclability, take-back programs); while employee surveys that can reveal internal commitment and awareness of sustainability goals; or customer surveys that can gauge their perception of a company's environmental efforts and preference for circular products.

A successful company meets the needs of all stakeholders, both from a financial perspective (profit, turnover and capital) and a non-financial perspective (environmental protection, employee welfare and relationship with society). The company's strategy to build its business based on the circular economy principles is, at the same time, an act of social responsibility. Thus, there is a direct link between the circular economy (EC) and corporate social responsibility (CSR), so that the way of applying the principles of the circular economy is reflected in the sustainability reports of companies.

The project is devoted to combine research based on survey data on CE innovation adoption by Italian firms with sustainability reports from CSRD-compliant companies and it is consistent with the objectives of GRINS, in particular T.12 where it is expected to investigate firms' adoption dynamics of CE-related innovation based on the implementation of a survey approach.

The specific objectives of the project are:

- Comprehensive picture, providing qualitative data (attitudes, behaviors) that complements the quantitative data (figures, targets).
- Improved comparability, by using standardized survey questions alongside reported data, comparisons between companies become more meaningful.
- Deeper insights, combining data sources allows for a more nuanced understanding of a company's true environmental and circular economy performance.
- Stakeholder engagement (employees, customers) in the assessment process, fostering transparency and trust.













This combined analysis will offer a valuable awareness about the role of the validation. Survey data can be strengthened by verification from the more comprehensive picture provided by CSRD reports. For example, reported investments in CE technology in the survey could be compared to concrete information about such investments in the CSRD reports. Combining data can reveal trends in the Italian business landscape. You might see correlations between specific CE innovations and improved sustainability performance reported by companies.

The project goes beyond the state of the art insofar as it adopts a comprehensive approach where metrics that are often analysed in isolation are incorporated into a framework.

The metrics to be considered are:

a) Environmental Performance Index (EPI) that considers account factors such as emissions, resource use, and sustainable practices (Cosma, S.; Leopizzi, R.; Nobile, L.; Schwizer, P. Revising the Non-Financial Reporting Directive and the Role of Board of Directors: A Lost Opportunity? J. Appl. Account. Res. 2022, 23, 207–226).

b) Environmental Risks Impact on firms performance (Pizzi, S.; Rosati, F.; Venturelli, A, The Determinants of Business Contribution to the 2030 Agenda: Introducing the SDG Reporting Score. Bus, Strategy Environ. 2021, 30, 404–421).

c) Industry environmental sensitivity that is strictly related to the affection of industry/business sectors about environmental issues and is linked to the level of the adopted green technological innovation (Zhang M., Yan T., Gao W., Xie W., Yu Z., How does environmental regulation affect real green technology innovation and strategic green technology innovation?, Science of the Total Environment 872 (2023) 162221).

d) Environmental, Social, and Governance criteria and standards (ESG) for the disclosure of sustainability related financial information, even including the voluntary sustainability experience beyond regulatory requirements (Lai, A., & Barabino, B. (2019). Sustainability Accounting and Reporting: A Review of the Italian Literature. Sustainability Accounting, Management and Policy Journal, 10(5), 657-678; Cicchiello A. F., Marrazza F., Perdichizzi S., Non-financial disclosure regulation and environmental, social, and governance (ESG) performance: The case of EU and US firms, Corporate Social Responsibility and Environmental Management, 30, 3, 1121).

#### Metodologia/ Methodology

The methodology is structured as follows:

# **Data Acquisition:**

- 1. Sample Selection:
  - $\circ$  Define the target population (industry sectors, company sizes).
  - Select a representative sample of Italian companies.
- 2. Non-Financial Report Collection:
  - Gather sustainability reports, CSR reports, or any reports containing relevant environmental and circular economy data.













- Standardize data collection (specific sections, formats) to ensure consistency.
- 3. Survey Design:
  - Develop surveys targeting:
    - **Companies:** Focus on green innovation practices (eco-design, R&D investments), circular economy strategies (waste reduction, reuse models), and challenges faced.
    - **Employees:** Gauge awareness and implementation of sustainability practices within the company.
    - **Customers:** Understand their perception of the company's green image and preference for circular products.

## Data Analysis:

- 1. Non-Financial Report Analysis:
  - Extract relevant data points on environmental impact (emissions, resource use), circular economy metrics (recycling rates, product lifespans), and green innovation initiatives.
  - Standardize units (e.g., normalize emissions per unit of production).

# 2. Survey Analysis:

- Analyze quantitative data (e.g., frequency of eco-design practices) using statistical methods.
- Analyze qualitative data (e.g., employee perceptions) through thematic analysis.

## 3. Integration:

- Integrate data from reports and surveys to get a holistic view.
- Use data visualization tools (charts, graphs) to compare findings across companies or between survey groups (employees vs customers).

#### Key Performance Indicators (KPIs):

- Environmental: CO2 emissions reduction, energy efficiency improvements, water use reduction.
- **Circular Economy:** Waste generation rates, recycling rates, product lifecycles, take-back program metrics.
- Green Innovation: R&D spending on green technologies, number of eco-designed products, patents for green innovations.

#### **Advanced Techniques:**

- **Benchmarking:** Compare a company's performance against industry leaders or pre-defined standards.
- **Data Modelling:** Develop models to assess the impact of green innovation on environmental and circular economy outcomes.

# Challenges and Considerations:

- Data Quality: Ensuring accuracy and completeness of data from reports and surveys.
- **Greenwashing:** Implementing verification methods to identify potentially misleading information.











GRINS

Standardization: Maintaining consistency in data collection and analysis across companies.

As to policies for gender equality, the project will implement:

- Targeted Outreach:
  - Organize workshops and training programs specifically for women interested in green innovation research and data analysis.
- Data Disaggregation:
  - Ensure data collection for surveys differentiates by gender to identify potential gender disparities in green innovation knowledge, attitudes, and participation.

The project aiming at reducing the environmental impact, climate and digital tagging, and it adheres to the "Do No Significant Harm" (DNSH) principle in several ways:

#### **Reduced Environmental Impact:**

- **Data Collection Focus:** The survey component targets practices relevant to a circular economy (waste reduction, reuse models) and green innovation (eco-design). Encouraging these practices can lead to a significant reduction in environmental footprint.
- **Benchmarking and Policy Development:** The project's findings can be used for benchmarking, allowing companies to identify areas for improvement and policymakers to design regulations that incentivize environmentally friendly practices.

#### **Climate and Digital Tagging Reduction:**

- Focus on Sustainability: The project emphasizes sustainable practices, which inherently reduce reliance on activities with a high carbon footprint.
- Survey Design: The surveys can be designed to be efficient, minimizing the environmental impact of data collection (e.g., online surveys vs. paper-based).
- **Data Analysis Efficiency:** By employing efficient data analysis techniques, the project can minimize the computational resources required, further reducing its digital footprint.

#### Do No Significant Harm (DNSH) Principle:

- Focus on Positive Impact: The core objective of the project is to promote positive environmental change through green innovation and circular economy practices.
- **Data Privacy Considerations:** The project should ensure data collected through surveys adheres to ethical guidelines and privacy regulations.
- **Transparency and Accountability:** Clear communication about the project's methodology and findings fosters trust and allows stakeholders to assess its overall impact.
- Avoiding Greenwashing: The project methodology, including data verification and analysis, should be designed to identify and avoid misleading information from companies ("greenwashing").

According to the Open Science/FAIR (Findable, Accessible, Interoperable, Reusable), the project adopts the following principles:

#### Findable:













- Metadata: Create comprehensive metadata for all datasets and research outputs, including clear and descriptive titles, keywords, abstracts, and author information.
- **Public Repositories:** Deposit datasets and research outputs in open access repositories relevant to the field (e.g., Zenodo for data, institutional repositories for publications).
- **Persistent Identifiers:** Assign persistent identifiers (e.g., DOIs for publications, DOIs or accession numbers for datasets) to all research outputs to ensure long-term findability.

## Accessible:

- **Open Access:** Publish research findings in open access journals or on open access platforms, allowing free access for anyone to read and download.
- **Data Availability Statement:** Clearly state the availability of data in publications. If data is restricted due to privacy concerns, explain the access procedures.
- **Data Embargo Period:** Consider an embargo period for data to allow initial publication rights, but aim to make data publicly available after a reasonable timeframe.

## Interoperable:

- **Standardized Formats:** Use standardized and well-documented data formats for datasets (e.g., CSV, JSON) to ensure compatibility with different software and analysis tools.
- Data Dictionaries: Provide detailed data dictionaries explaining variable names, units, and coding schemes used in datasets.
- **Controlled Vocabularies:** Use controlled vocabularies and ontologies for keywords and data elements to enhance data clarity and interoperability with other research.

#### **Reusable:**

- **Data Cleaning and Documentation:** Clean and document datasets thoroughly, including information on data collection methods, limitations, and potential biases.
- Licensing: Use open licenses (e.g., Creative Commons) for data and publications to allow for reuse with proper attribution.
- Version Control: Maintain version control for datasets and code, allowing users to track changes and identify the specific version used in analyses.













# B) Qualità ed efficienza dell'implementazione (max 5 pag) / Quality and efficiency of the implementation (max 5 pages)

#### Composizione del gruppo di lavoro/Composition of team work

The team of Silvano Corbella, Riccardo Stacchezzini, Cristina Florio, Francesca Rossignoli, and Alessandro Lai (coordinator) exhibits strong teamwork, extensive experience, and high reliability in managing and organizing research activities.

Their experience in various fields of research about sustainability and critical accounting, highlighting the importance of integrating sustainability considerations into accounting practices. allowing them to approach problems from different perspectives, leading to innovative solutions and insightful findings. They are committed to conducting high-quality research that meets the highest standards of excellence.

#### Piano di lavoro e risorse /Work plan and resources

This work plan outlines the key activities for a project researching green innovation and circular economy practices in Italian companies. It will be delivered through four work packages (WPs)

This project will follow a standard work project lifecycle, divided into the four Work Packages (WPs) outlined previously. Here's a breakdown of the approach for each WP, incorporating systems of controls and contingency plans:

# Work Package 1: Sample Selection and Data Acquisition

#### • Lifecycle Stage: Initiating

- Controls: Project kick-off meeting, clear definition of target population and data collection methods documented in a project management plan.
- Contingency Plan: If the initial sample size proves inadequate, revise selection criteria or employ data augmentation techniques (e.g., acquiring data from additional sources).

#### Work Package 2: Data Analysis and Integration

#### • Lifecycle Stage: Planning & Executing

- Controls: Regular progress meetings to monitor data collection and quality. Pilot testing of data analysis methods to ensure accuracy.
- Contingency Plan: If data quality issues arise, implement data cleaning procedures or consider alternative data sources. If unforeseen challenges emerge during integration, explore alternative integration methods or revise initial research questions.

#### Work Package 3: Research and Reporting

• Lifecycle Stage: Monitoring & Controlling













- Controls: Regular meetings to review research progress and address any emerging issues. Pre-defined deadlines and milestones for report writing and publication submissions.
- Contingency Plan: If data analysis reveals unexpected findings, revisit research questions or refine the methodology. If delays occur in report writing, adjust timelines or allocate additional resources.

## Work Package 4: Open Science and Project Dissemination

- Lifecycle Stage: Closing
  - Controls: Adherence to FAIR data principles throughout data management. Monitoring of repository submissions and dissemination activities.
  - Contingency Plan: If technical challenges arise during data deposition, explore alternative repositories or data sharing platforms. If dissemination efforts fall short of expectations, consider alternative outreach strategies or revise communication materials.

The overall Project Control is assured by:

- Regular communication will be maintained among all stakeholders (researchers, data analysts, communication team) to identify and address any roadblocks.
- Risk management protocols will be established to proactively identify potential issues and develop mitigation strategies.







✓







#### Descrizione dei Work Packages / Description of Work Packages:

Work Package n. 1	Start date: M1	Fine attività: /End date M7	
Sample Selection and Data Acquisition			
Obiettivi/Objectives	Obiettivi/Objectives		
The WP is devoted to develop the questionnaire tenets in order to capture essential dimensions concerning the definition of innovation (process/product; radical/incremental; etc.) and the territorial scope, including 4 4 macro-areas at the NUTS 2 level.			
Descrizione (se necessa tasks)	Descrizione (se necessario articolare per task)/Description (where appropriate, broken into tasks)		
<ul> <li>1.1. Define target population (industry sectors, company sizes).</li> <li>1.2: Select a representative sample of Italian companies.</li> <li>1.3: Collect non-financial reports containing environmental &amp; circular economy data.</li> <li>1.4: Design targeted surveys for companies, employees, and customers.</li> <li>1.5: Implement data collection procedures (surveys, report gathering).</li> </ul>			
Deliverables (identified by consecutive numbers and month of delivery) D1.1. (M7) Methodological reports and theoretical findings			
Descrizione dei costi previsti tra quelli ammissibili (art. 8 del bando)			
Description of costs (taking into account the eligible ones as stated in art. 8 of the call)			
Structured personnel			
Consulting costs about survey definition			

Work Package n. 2	Inizio attività/Start date: M4	Fine attività: /End date: M11	
Data Analysis and Integration			
Obiettivi/Objectives			
• The WP is devoted to data analysis, including :			
• o Comparative Analysis: Compare the survey results on CE innovation adop-			

tion with the sustainability data reported by the companies.













• o Focus on Specific Innovations: Analyze the survey data to identify specific CE innovations adopted by Italian firms. Then, see how these innovations are addressed or reflected in the CSRD reports, especially regarding their impact on environmental or social aspects.

Descrizione (se necessario articolare per task)/Description (where appropriate, broken into tasks)

- **2.1:** Analyze data from non-financial reports on environmental impact and circular economy metrics.
- **2.2:** Analyze survey data on green innovation practices and circular economy awareness.
- **2.3:** Develop key performance indicators (KPIs) for green innovation and circular economy.
- 2.4: Integrate data from reports and surveys to create a comprehensive picture.
- **2.5:** Utilize data visualization tools to present findings.

Deliverable (numerate progressivamente e con indicazione del mese di raggiungimento) Deliverables (identified by consecutive numbers and month of delivery) **D2.1.** (M11) Dataset report and preliminary outcomes

Descrizione dei costi previsti tra quelli ammissibili (art. 8 del bando)

Description of costs (taking into account the eligible ones as stated in art. 8 of the call)

Structured personnel

Consulting costs about survey delivery

Work Package n. 3	Inizio attività/ Start date: M09	Fine attività: /End date: M16
<b>Research and Reporting</b>		

Obiettivi/Objectives

The WP is dedicated to investigate the results and to validate them.

Descrizione (se necessario articolare per task)/Description (where appropriate, broken into tasks)

- **3.1:** Analyze the data to identify trends and patterns in green innovation and circular economy practices.
- **3.2:** Assess the impact of green innovation on environmental and circular economy outcomes.













• **3.3:** Benchmark company performance against industry leaders or pre-defined standards.

Deliverable (numerate progressivamente e con indicazione del mese di raggiungimento) Deliverables (identified by consecutive numbers and month of delivery)

**D3.1** (M16). Develop a comprehensive research report with key findings and recommendations.

D3.2 (M16). Prepare peer-reviewed publications or presentations for dissemination.

Descrizione dei costi previsti tra quelli ammissibili (art. 8 del bando)

Description of costs (taking into account the eligible ones as stated in art. 8 of the call)

Structured personnel

Work Package n. 4	Inizio attività/ Start date: M7	Fine attività: /End date: M16
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#### **Open Science and Project Dissemination**

Obiettivi/Objectives

The WP is devoted to implement the FAIR principles and to release the final outcomes of the project in scalable and replicable conditions and in formats compatible with statistical software.

Descrizione (se necessario articolare per task)/Description (where appropriate, broken into tasks)

- **4.1:** Implement FAIR principles for data management (Findable, Accessible, Interoperable, Reusable).
- 4.2: Deposit data and research outputs in open access repositories.
- **4.3:** Develop communication materials and outreach strategies for stakeholders.

Deliverable (numerate progressivamente e con indicazione del mese di raggiungimento) Deliverables (identified by consecutive numbers and month of delivery)













**D.4.1.** (M10, M16): Organize online workshops to share project findings with industry, policymakers, and the public.

D4.2. (M16): Dataset and final outcomes report.

Descrizione dei costi previsti tra quelli ammissibili (art. 8 del bando)

Description of costs (taking into account the eligible ones as stated in art. 8 of the call)

Structured personnel













# C. Impatto (max 5 pag) / Impact (max 5 pages)

#### Impatto atteso/Expected impact

The project will show the following impacts:

#### **Scientific Impact:**

- **Standardization and Comparison:** The project can create a standardized framework for measuring CE development across territories. This allows researchers to compare progress, identify best practices, and replicate successful approaches in different contexts.
- New Research Questions: By pinpointing areas of strength and weakness in territorial CE efforts, the indicators can guide new research questions on specific aspects of the transition. This could lead to advancements in areas like waste management, product design for longevity, and repair/refurbishment technologies.
- **Cross-Disciplinary Collaboration:** The project will likely involve researchers from environmental science, economics, engineering, and social sciences. Developing the indicators will necessitate collaboration, fostering cross-disciplinary advancements in sustainable development.

#### **Economic/Technological Impact:**

- **Policy and Investment Decisions:** Standardized indicators provide valuable data for policymakers. This can inform targeted interventions, attract investments towards promising CE sectors, and incentivize businesses to adopt circular practices.
- Innovation and Market Opportunities: By highlighting areas where a territory lags in CE development, the project can stimulate innovation in those sectors. Businesses might develop new products, services, and processes to address these gaps, creating new market opportunities within the circular economy.
- **Resource Efficiency:** Improved CE performance translates to more efficient resource use which can lower production costs for businesses. This fosters economic competitiveness while reducing environmental burdens.

#### Societal/Environmental Impact:

• **Community Engagement:** Territorial CE strategies often involve engaging citizens and fostering a culture of responsible consumption. The project's data can be used to communicate progress and motivate communities to participate more actively in the CE transition.

The Legal Representative of the proposer (Digital signature)











# ALLEGATI

Curriculum Vitae dei componenti il team di progetto firmati digitalmente / Digitally signed CVs of project team members (rif. Art. 9 del Bando)



