

Francesco Tonini – Curriculum Vitae



Personal information	
Surname	Tonini
Name	Francesco
City of Residence	Milano (MI), Italy
Telephone	+39 3475896955
E-mail	francesco.tonini@polimi.it francesco.tonini@outlook.com
Date of birth	19-06-1993
Nationality & Mother tongue	Italian
Other Languages	English (Proficient) French (Basic)

Education and trainings	
Date (from – to)	November 2018 – May 2023
University	Politecnico di Milano
Duration of the program of study	4 years
Title of qualification to be awarded	PhD in Energy and Nuclear Science and Technology
Project Title	Complementing traditional cost-benefit analysis: SDGs based evaluation tool for energy strategies analysis in developing countries.

Date (from – to)	February 2019 – March 2019
University	University of Bergen & Millennium Institute
Duration of the program of study	2 Months
Training subject	System Dynamics course of Model-based Socioeconomic development planning

Date (from – to)	September 2015 – April 2018
University	Politecnico di Milano
Duration of the program of study	2 years
Title of qualification awarded	Master of Science in Energy Engineering
Thesis subject	“System Dynamics modelling for long-term energy demand forecast in rural areas”; within this project I spent a period in Tanzania for on-field data collection.
Honours Programme	Engineering for sustainable development
Final mark obtained	108/110.

Date (from – to)	September 2012 – September 2015
University	Politecnico di Milano
Duration of the program of study	3 years
Title of qualification awarded	Bachelor degree in Energy Engineering
Final mark obtained	92/110

Date (from – to)	September 2006 – July 2012
High-School	Liceo Classico Cesare Beccaria
Duration of the program of study	5 years
Title of qualification awarded	High-school Diploma
Final mark obtained	82/100

Certifications	
Certification of English language	TOEIC, mark 865 out of 900

Professional experience	
Date (from)	November 2025 – Ongoing
Organization Name	Politecnico di Milano – Dipartimento di Energia
Type of business or sector	Consultancy Assignment
Type of employment	Professional Collaboration
Position	Expert Consultant
Research Area	Bridging the Gap between Science Evidence and Decision Makers
Project activities and responsibilities	<p><i>Funded projects under competitive calls:</i></p> <p>Title: Territorial partnerships for the ecological transition in Tunisia: Co-design of people-centred processes and practices. - AID 013248</p> <p>Commissioning Institution: Italian Agency for Cooperation and Development AICS</p> <p>Partners: Politecnico di Milano (Project leader); Comune di Milano, Fondazione AVSI; Fondazione Politecnico di Milano; Tunis International Centre for Environmental Technologies (CITET).</p> <p>Topic: An integrated research and training programme is in place, structured around the implementation of Tunisia’s Ecological Transition Strategy. Four levels of intervention have been identified:</p> <ul style="list-style-type: none"> • Institutional strengthening: evidence-based support to the ecological transition through multi-level and multi-actor governance; • Capacity building: enhancement of skills and know-how related to the tools required for the ecological transition (energy optimisation models, environmental impact assessment, decision support systems); • Sharing practices and pilot actions: implementation of pilot projects in the fields of energy resource management and environmental services to foster sustainable transition pathways; • Innovation promotion: activities aimed at valorising research through the development of concrete solutions (products, services, etc.) supporting the ecological transition. <p>Role: Project Manager for subtasks carried out by Politecnico di Milano.</p> <p>Geographic Area: Italy</p> <p>Period: October 2025 - Ongoing</p>

Date (from)	May 2023 – October 2025
Organization Name	Politecnico di Milano – Dipartimento di Energia
Type of business or sector	Academic Research
Type of employment	Research fellowship
Position	Senior Researcher at Sustainable Energy System Analysis and Modelling (SESAM) Group
Research Area	Bridging the Gap between Science Evidence and Decision Makers
Project activities and responsibilities	<p><i>Funded projects under competitive calls:</i></p> <p>Title: National Recovery and Resilience Plan (PNRR) - Sustainable mobility center (MOST), Spoke 4: Rail Transportation, Work Package 2: Decarbonisation and energy efficiency, Task 2.4: Optimal use of renewable energies in the framework of railway infrastructures.</p> <p>Commissioning Institution: Ministry of University and Research</p> <p>Partners: Politecnico di Milano (Task leader); Sapienza University of Rome, University of Florence, University of Naples Federico II; Intesa Sanpaolo S.p.a.; Gruppo FS Italiane S.p.a.; Lutech S.p.a.</p> <p>Topic: Scenario analysis and impact assessment for the decarbonization of the railway sector, evaluating environmental, social, and economic sustainability.</p> <p>Role: Project Manager for subtasks carried out by Politecnico di Milano</p>

Geographic Area: Italy
Period: May 2023-Ongoing

Title: National Recovery and Resilience Plan (PNRR) – Transnational Education (TNE), Science Hubs for Advanced Research & Education with Africa: SHARE_Africa.

Commissioning Institution: Ministry of University and Research

Partners: Italian Higher Education with Africa Foundation (managing partner); Politecnico di Milano (Task leader); Sapienza University of Rome, Università degli Studi di Firenze, University of Naples Federico II, Alma Mater Studiorum, University of Bologna; University of Padua

Topic: Empowering early-career African academicians through peer-to-peer scientific cooperation with Italian universities, targeting capacity building and long-term academic partnerships in the MENA region and the Horn of Africa.

Role: Project Manager for subtasks carried out by Politecnico di Milano and Lecturer

Geographic Area: Tunisia and Ethiopia

Period: October 2024-Ongoing

Title: AMBassadors for sustainable transition: AMBITION

Commissioning Institution: Erasmus+ Programme

Partners: Politecnico di Milano, RWTH Aachen University, TU Delft, Chalmers University of Technology, Strathmore University, Kwame Nkrumah University of Science & Technology, ETH Zurich, Green Growth Africa

Topic: Joint Honours Programme for PhD students, towards the sustainable transition in Europe and Africa

Role: Lecturer in the Innovation School

Geographic Area: Europe, Kenya and Ghana

Period of involvement: October 2023-November 2023

Title: Expanding Integrated Assessment Modelling: Comprehensive and Comprehensive Science for Sustainable, Co-Created Climate Action: IAM COMPACT

Commissioning Institution : European Commission

Partners: Addis Ababa University, Aalto Korkeakouluosaatio SR, Aalborg Universitet, Asociacion BC3 Basque Centre for Climate Change, Bruegel, Fundacion CARTIF, Cicero Senter for Klimaforskning Stiftelse, E3 Modelling AE, Indian Institute of Management, Imperial College London, Kyiv Economics Institute, KTH, National Technical University of Athens, Politecnico di Milano, Rajarata University of Sri Lanka, Tsinghua University, Technical University of Mombasa, University of Piraeus Research Center, University System of Maryland, Universidad De Valladolid, Wuppertal Institute

Topic: Multi-scale modelling platforms integration for policy support in EU transition

Role: Lecturer to summer school held in Kenya, Nairobi

Geographic Area: Kenya

Period: June 2023-September 2023

Private funded projects

Project Sponsor: ENI S.p.a.

Topic: Further development of data dashboards and numerical implementation of a beneficiary estimation algorithm for energy access projects, using Business Intelligence tools and ensuring interoperability with management data systems.

Role: Data Analyst and Data curation with Power BI

Geographic Area: Australia, Republic of Congo, Egypt, Ghana, Indonesia, Italy, Kazakhstan, Libya, Mexico, Nigeria, Tunisia, United Kingdom, United States, Venezuela

Period: November 2023-January 2024

Project Sponsor: ENI S.p.a.

Topic: Development of an impact assessment algorithm and beneficiary calculation model for energy access projects aligned with SDG 7, including the design of a decision tree and data dashboard to estimate final beneficiaries of energy interventions across multiple countries.

Role: Data Analyst and Data curation with Power BI

Geographic Area: Australia, Republic of Congo, Egypt, Ghana, Indonesia, Italy, Kazakhstan, Libya, Mexico, Nigeria, Tunisia, United Kingdom, United States, Venezuela

Period: July 2023-November 2023

--	--

Date (from)	December 2022 – Ongoing
Organization name	eNextGen S.r.l.
Type of business or sector	Lyfe Cycle Assessment and Sustainability Assessment
Type of employment	Entrepreneurship
Position	Co-founder – Head of Sales and Analyst
Project activities and responsibilities	<p><i>Private funded projects:</i></p> <p>Contracting Institution: Oxfam Italia Topic: Assessment of the co-benefit assessment of the “Local innovative solutions for an inclusive green growth in Jordan” project run by Oxfam in Za’atari Refugee Camp and Umm Jimal Municipality Role: Project Manager and Data Analyst Geographic Area: Jordan</p> <p>Client: Ogyre BCorp Topic: Assessment of the co-benefit assessment of the “Fishing for Litter” project Role: Data Analyst Geographic Area: Bali, Indonesia.</p> <p>Client: Energia Corrente S.p.a. Topic: Drawing of the sustainability report Role: Data Analyst Geographic Area: Italy</p> <p>Client: Tecno Habitat S.r.l. Topic: Technical training on LCA and Sustainability assessment Role: Project Manager and Lecturer Geographic Area: Italy</p> <p>Client: Ambro S.r.l. & R-Pierre Digital S.p.a Topic: Sustainability assessment of refurbishment and recycling processes Role: Data Analyst and Stakeholder Engagement Geographic Area: Italy</p> <p>Project Sponsor: Mani Tese E.T.S Topic: Definition and numerical calculation of the Environmental Justice Index and the creation of a dedicated web platform Role: Data Analyst and Stakeholder Engagement Geographic Area: Italy</p>

Date (from)	June 2025 – November 2025
Organization name	Politecnico di Milano – Dipartimento di Energia
Type of business or sector	Academic Research
Type of employment	Occasional employment for academic research
Position	Consultant
Project activities and responsibilities	<p><i>Funded projects under competitive calls:</i></p> <p>Title: National Recovery and Resilience Plan (PNRR) - Sustainable mobility center (MOST), Spoke 4: Rail Transportation, Work Package 2: Decarbonisation and energy efficiency, Task 2.4: Optimal use of renewable energies in the framework of railway infrastructures. Commissioning Institution: Ministry of University and Research Partners: Politecnico di Milano (Task leader); Sapienza University of Rome, University of Florence, University of Naples Federico II; Intesa Sanpaolo S.p.a.; Gruppo FS Italiane S.p.a.; Lutech S.p.a. Topic: Development and customization of the MARIO modelling tool to assess the integrated impact (economic, environmental, social) of decarbonization scenarios in the Italian railway</p>

	<p>passenger transport sector. Activities include software extension, data handling for Power BI integration, simulation management, and scientific reporting to support policy evaluation.</p> <p>Role: Development of a Power BI data model designed to interface with the MARIO model for the impact assessment of Railway decarbonization scenarios (WP2-Task2.4)</p> <p>Geographic Area: Italy</p>
--	---

Date (from)	June 2024 – September 2024
Organization name	Politecnico di Milano – Dipartimento di Energia
Type of business or sector	Academic Research
Type of employment	Occasional employment for academic research
Position	Consultant
Project activities and responsibilities	<p><i>Funded projects under competitive calls:</i></p> <p>Title: Fundamental decarbonisation through sufficiency by lifestyle changes (FULFILL) Commissioning Institution: European Commission Partners: Fraunhofer, Wuppertal Institut, EURAC, Jacques Delors Institute, International Network for Sustainable Energy – Europe, Politecnico di Milano, nègaWatt Association, Zala briviba Topic: Exploring the contribution of lifestyle changes and citizen engagement in decarbonising Europe and fulfilling the goals of the Paris Agreement Role: Development of a Power BI data model designed to interface with the MARIO model for the impact assessment of Sufficiency policies (WP6) Geographic Area: Europe</p>

Date (from)	October 2018 – May 2023
Organization name	Politecnico di Milano – Dipartimento di Energia
Type of business or sector	Research and Lecturer
Type of employment	Research fellowship at the Department of Energy
Position	Doctoral Researcher
Research Topic	Ex-ante economic and environmental impact assessment of electricity planning scenarios for developing countries
Project activities and responsibilities	<p><i>Funded projects under competitive calls:</i></p> <p>Title: Policy Dialogue and Knowledge Management on Low Emission Development Strategies: DIAPOL-CE Commissioning Institution: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH Single Contractor: Politecnico di Milano Topic: Fostering evidence-based policymaking for low-emission development through capacity building, quantitative tools, and strengthened dialogue between researchers and policymakers in Tunisia. Role: Project Manager and Lecturer Geographic Area: Tunisia Period: June 2022-November 2022</p> <p>Title: Joint programme for capacity building activities on energy data and modelling in sub-Saharan Africa Commissioning Institution: International Energy Agency (IEA) under the Organisation for Economic Co-operation and Development (OECD) Single Contractor: Politecnico di Milano Topic: Development and delivery of training materials on energy and macroeconomic modelling for sub-Saharan Africa, within the IEA's capacity-building programme. Role: Junior Project Manager and Lecturer Geographic Area: Sub-Saharan Africa Period: February 2021-February 2022</p> <p>Title: The Matembwe-Ikondo mini-grid: learning from the past, preparing for the future</p>

	<p>Commissioning Institution: Mott Foundation Partners: CEFA Onlus (managing partner); Politecnico di Milano; Chalmers University Topic: Analysis of the electricity–development nexus in rural Tanzania through the Matembwe case study, to identify key drivers and complementary strategies for sustainable rural electrification and inclusive socio-economic development. Role: Junior Project Manager and Analyst Geographic Area: Tanzania Period: June 2019-May 2021</p> <p><i>Private funded projects (Topic Details of these projects are not disclosable):</i></p> <p>Project Sponsor: ENI S.p.a. Topic: definition of indicators quantitative and qualitative for the impact evaluation of energy access project Role: Data Analyst Geographic Area: Republic of Congo, Ivory Coast Period: October 2022-December 2022</p> <p>Project Sponsor: ENI S.p.a. Topic: definition of an impact evaluation tool, based on input-output theory, for energy projects in developing countries Role: Analyst, model Developer Geographic Area: Republic of Congo, Nigeria, Mozambique, Mexico Period: October 2018-February 2020</p>
--	--

Date (from)	July 2018 – November 2018
Name of firm/university	Politecnico di Milano
Type of business or sector	Academic Research
Type of employment	Research fellowship at the Department of Energy
Position	Junior Researcher
Research Topic	Input-Output Analysis for economic and environmental impact evaluation
Main activities and responsibilities	<i>Private funded projects</i> Project Sponsor: ENI S.p.a. Topic: definition of an impact evaluation tool, based on input-output theory, for energy projects in developing countries Role: Data Analyst

Date (from – to)	September 2017 – February 2018
Name of firm/university	Politecnico di Milano
Type of business or sector	Research and Teaching assistance
Type of employment	Student collaboration by means of “Bando 150 ore”
Position	Research Intern
Main activities and responsibilities	<i>Private funded projects</i> Project Sponsor: ENI S.p.a. Topic: definition of an impact evaluation tool, based on input-output theory, for energy projects in developing countries Role: Data Analyst

Teaching activity	
Period	A.Y. 2021-2022; 2022-2023; 2023-2024 and 2024-2025
Name of employer	Politecnico di Milano – Dipartimento di Energia
Type of business or sector	Lecturer and Teaching assistant (Type A)
Type of employment	Occasional employment for MSc level curricular teaching activities
Course Title	Thermoeconomics and Energy Modelling

Period	A.Y. 2024-2025
Name of employer	Sapienza, University of Rome
Type of business or sector	Lecturer
Type of employment	Honorary appointment for PhD level teaching activities
Course Title	Sustainable Mobility

Period	A.Y. 2024-2025
Name of employer	Politecnico di Milano
Type of business or sector	Lecturer
Type of employment	Honorary appointment for PhD level teaching activities
Course Title	Perspective in science, technology and policy for sustainable change

Period	A.Y. 2018-2019; 2021-2022 and 2023-2024
Name of employer	Politecnico di Milano – Dipartimento di Energia
Type of business or sector	Lecturer
Type of employment	Occasional employment for Specializing Master level teaching activities
Master Title	Eni second level Specializing Master on Energy Innovation

Period	A.Y. 2019-2020; 2020-2021 and 2022-2023
Name of employer	Politecnico di Milano – Dipartimento di Energia
Type of business or sector	Tutoring activity
Type of employment	Occasional employment for Specializing Master level tutoring activities
Master Title	First level Specializing Master course for Enel professionals on Strategic and Innovative O&M management

Period	A.Y. 2022-2023
Name of employer	Politecnico di Milano – Dipartimento di Energia
Type of business or sector	Lecturer
Type of employment	Occasional employment for Specializing Master level teaching activities
Master Title	Bootcamp Enel Total Rewarding: Technology of Future

Period	A.Y. 2022-2023
Name of employer	Politecnico di Milano – Dipartimento di Energia
Type of business or sector	Tutoring activity
Type of employment	Occasional employment for Specializing Master level tutoring activities
Master Title	Eni second level specializing Master on Energy Innovation

Period	A.Y. 2021-2022
Name of employer	Italian Higer Education with Africa Foundation
Type of business or sector	Lecturer
Type of employment	Honorary appointment for Specializing Master level teaching activities
Master Title	First Level Specializing Master in Sustainable Management of Resources and Cultural Heritage for Local Development

Period	A.Y. 2020-2021
Name of employer	Politecnico di Milano – Dipartimento di Energia
Type of business or sector	Lecturer and Teaching assistant (Type A)
Type of employment	Occasional employment for MSc level curricular teaching activities

Main activities and responsibilities	Advance Thermodynamics and Thermoconomics
--------------------------------------	---

Period	A.Y. 2020-2021
Name of employer	Politecnico di Milano – Dipartimento di Energia
Type of business or sector	Lecturer
Type of employment	Occasional employment for Specializing Master level teaching activities
Master Title	First level specializing Master course for Enel professionals on Strategic and Innovative O&M management

Period	A.Y. 2019-2020
Name of employer	Politecnico di Milano – Dipartimento di Energia
Type of business or sector	Tutoring activity
Type of employment	Occasional employment for Specializing Master level tutoring activities
Master Title	Ridef second level specializing master on Energy and Buildings

Period	A.Y. 2018-2019
Name of employer	Politecnico di Milano – Dipartimento di Energia
Type of business or sector	Teaching assistant (Type B)
Type of employment	Occasional employment for MSc level curricular teaching activities
Course Title	Energy and Cooperation for Development

Dissemination activity – Third mission	
Period	A.Y. 2021-2022, 2022-2023, 2023-2024 and 2024-2025
Name of employer	Instituto “Leone XIII” – Milano (MI)
Type of business or sector	Lecturer
Type of employment	Occasional employment for non-curricular teaching activities
Main activities and responsibilities	Cycle of lectures on “Sviluppo Sostenibile e Agenda ONU 2030”

Period	May 2024
Name of employer	BASF S.p.a
Type of business or sector	Lecturer
Type of employment	Honorary appointment for Corporate training course
Course Title	Talent for manufacturing - BASF

Period	A.Y. 2020-2021; 2021-2022 and 2022-2023
Name of employer	Instituto Professionale Statale Industria Artigianato “Antonio Parma” – Saronno (VA)
Type of business or sector	Lecturer
Type of employment	Occasional employment for non-curricular teaching activities
Main activities and responsibilities	Cycle of lectures on “Tutela dell’ambiente e Sviluppo Sostenibile”

Period	November 2023
Name of employer	IHEC Cartage University Italian Higer Education with Africa Foundation University of Bologna
Type of business or sector	Lecturer
Type of employment	Honorary appointment for Winter school teaching activities
School Title	Intensive Curse in Global Citizenship Education

Period	A.Y. 2021-2022
Name of employer	Instituto di istruzione superiore “IRIS VERSARI” – Cesano Maderno (MB)

Type of business or sector	Lecturer
Type of employment	Occasional employment for non-curricular teaching activities
Main activities and responsibilities	Cycle of lectures on “Sviluppo Sostenibile e Agenda ONU 2030”

Awardings	
PhD Thesis	Winner of the CeTAmb prize for the best PhD Thesis on the topic: Appropriate technologies for sustainable development in countries with limited resources
PhD research project	Winner of the Enel Foundation Fellowship for research projects aimed to identify crossroads between advanced technologies
Certificate of Merit – Young Graduates	Special mention for the paper “Investigating the economic and environmental impacts of a technological shift towards hydrogen-based solutions for steel manufacture in high-renewable electricity mix scenarios for Italy” presented at the 7 th AIGE/IEETA International Conference held in Parma in June 8-9, 2022.
Master Thesis	Winner of the <i>Altero Matteoli</i> memorial price financed by the “Associazione Altero Matteoli per la libertà e il bene comune”

Additional information	
Scientific publications	<p>Sayed K, Tonini F, Agati G, Borello D. Energy demand prediction and scenario analysis for vehicle traction: A bottom-up approach applied to the Italian railway system. <i>Energy Reports</i> 2025;13:4196–208. https://doi.org/10.1016/j.egy.2025.03.061.</p> <p>Tonini, F., Agati, G., Gad, K., Borello, D., Colombo, E. Bottom-up Stochastic Model to Assess Energy Consumption of Typical Railway Routes in Italy. 25th IEEE International Conference on Environment and Electrical Engineering & 9th I&CPS Industrial and Commercial Power Systems Europe, https://doi.org/10.1109/IEEEIC/ICPSEurope61470.2024.10751460</p> <p>Golinucci, N., Tonini, F., Rocco, M.V., Colombo, E. Towards BitCO2, an individual consumption-based carbon emission reduction mechanism. <i>Energy Policy</i>, Volume 183, 2023, 113851, ISSN 0301-4215, https://doi.org/10.1016/j.enpol.2023.113851.</p> <p>Conte, M., Rinaldi, L., Tonini, F., Fumagalli, T., Lorenzin, G., Piras, P., Sommariva, G. G, Rocco M.V., Colombo, E. Investigating the economic and environmental impacts of a technological shift towards hydrogen-based solutions for steel manufacture in high-renewable electricity mix scenarios for Italy. <i>IOP Conf. Ser.: Earth Environ. Sci.</i> 1106 012008. DOI 10.1088/1755-1315/1106/1/012008</p> <p>Tonini, F., Sanvito, F.D., Colombelli, F., Colombo, E. Improving Sustainable Access to Electricity in Rural Tanzania : A System Dynamics Approach to the Matembwe Village. <i>Energies</i>, 2022: 15, 1–17. https://doi.org/https://doi.org/10.3390/en15051902</p> <p>Stevanato, N., Corigliano, S., Petrelli, M., Tonini, F., Merlo, M., Colombo, E., 2021. Rural areas electrification strategies through shadow costs analysis - Bolivian Highlands case study. <i>Energy Sustain. Dev.</i> 65, 162–174. https://doi.org/10.1016/j.esd.2021.10.009</p> <p>Rocco, M. V., Tonini, F., Fumagalli, E.M., Colombo, E., 2020. Electrification pathways for Tanzania: Implications for the economy and the environment. <i>J. Clean. Prod.</i> 263, 121278. https://doi.org/10.1016/j.jclepro.2020.121278</p> <p>Riva, F., Sanvito, F.D., Tonini, F., Colombo, E., Colombelli, F., 2019. Modelling long-term electricity load demand for rural electrification planning, in: <i>PowerTech 2019</i>. IEEE, p. 6. https://doi.org/10.1109/PTC.2019.8810727</p>
Conferences	<ul style="list-style-type: none"> • 25th IEEE International Conference on Environment and Electrical Engineering & 9th I&CPS Industrial and Commercial Power Systems Europe, Rome, June 17-20, 2024 • 20th International Conference on Partnerships for International Development Cooperation organized by CeTAmb, Brescia, Dec 21, 2023 • 28th International Input-Output Association Conference, Langkawi, Aug 28 – Sept 02, 2022 • 38th International Conference of the System Dynamics Society, Bergen, July 19-23, 2020 • 27th International Input-Output Association Conference, Glasgow, July 1-5, 2019 • 13th IEEE PES PowerTech Conference, Milano, June 23-27, 2019

	• Conference of <i>Comitato Universitatio Cooperazione allo Sviluppo</i> , Milano, Sept 14-15, 2019	
IT skills and competences	·Matlab programming ·Python programming ·Data visualization with PowerBI	·Microsoft Office – VBA programming ·Modelling skills with OSeMOSYS, Vensim and Stella Architect
Social skills and competences	I am participating in the activities of the no profit foundation <i>Casa Magica</i> in my hometown. For several years I have been active as an actor in an amateur association. I am fond of outdoor sports like mountain skiing and sailing, in 2016 I achieved the licence for sailing within 12 miles.	

In compliance with the ex DPR 445/2000, I hereby ensure the truthfulness of the data reported in this document.

In compliance with the European rules GDPR 2016/679 dated 27/04/2016, I hereby authorize to use and process my personal details contained in this document.

In compliance with the Italian rules art. 15, comma 1 D.Lgs 33/2013, I hereby authorize to publish this document.

Milano, 08/01/2026

