

EUROPEAN CURRICULUM VITAE



PERSONAL INFORMATION

Name

ALOSI ALICE

WORK EXPERIENCE

- Dates (from – to) From March to September 2020
- Name of the company/city Scuola Superiore Sant'Anna, 33, Piazza Martiri della Liberà, 56127 Pisa (PI)
- Type of company/sector Management Institute
- Occupation or position held Occasional self-employment assignment for research activities
- Main activities and responsibilities Collection and verification of circularity analyzes for industrial sites, with reference to the Enel X circularity tool.

- Dates (from – to) From January to March 2020
- Name of the company/city RINA Consulting S.p.A. 6, Via Cecchi, 16129 Genoa
- Type of company/sector Consulting company, part of the holding RINA S.p.A., which deals with Energy, Marine, Certification, Transport & Infrastructure and Industry sectors.
- Occupation or position held Extra-curricular internship in the Environment and Climate Change unit.
- Main activities and responsibilities REWARDHeat - Renewable and Waste Heat Recovery for Competitive District Heating and Cooling Networks: project funded under the European Union's research and innovation program H2020, with the aim of installing eight different low temperature district heating networks in Europe, through close collaboration between research institutions, technology producers and energy companies. My working group and I supported the project in the design and installation of the networks, following their operation and studying new business models to manage them.
RetroFeed - Implementation of a smart retrofitting framework in the process industry towards its operation with variable, biobased and circular feedstock: project funded under the European Union's research and innovation program H2020, with the main objective of allowing the increasingly circular use of resources in the process industries, through the adaptation of basic equipment, the implementation of an advanced monitoring and control system and the support to plant operators, given by a DSS (Decision Support System) in the chain production. I contributed within this project to the initial planning of the necessary energy diagnoses, in which I will actively participate in the coming months.
ReUseHeat - Recovery of Urban Excess Heat: project funded under the European Union's research and innovation program H2020, with the aim of overcoming technical and non-technical obstacles to investments in heat recovery in Europe, demonstrating the possibility of recovery and reuse of this residual heat available at urban level, through advanced, modular and replicable systems (data centers, collectors of slurry, hospital cooling system, subway station, etc.). I contributed within this project to the initial planning of feasibility studies of five identified cases (ice rink in Oslo, data center in Sweden, hospital in Genoa, underground in London, water treatment in Poland), to which I will actively participate in the coming months.
Solar Fuels Research & Invest: technical assistance commissioned by the European Union, with the aim of carrying out a technical-economic analysis, on the basis of the value chain of the identified solar fuels. It is important to understand the market potential of these fuels, to inform the policy in support of the development of solar fuel technology and to interact with global experts on the topic of Solar Fuels Technology. I contributed within this project in the context of the Thermochemical pathway, with a focus on SOEC (solid oxide electrolyser cell) technology.
CircPack - Towards circular economy in the plastic packaging value chain: project funded under the European Union's H2020 research and innovation program, with the aim of creating innovative plastic packaging, developing greater use of bio-based raw materials and eco-design principles. I

contributed within this project in the context of the deliverable "Roadmap for replicability of new plastic packaging value chain across EU", with the identification of indicators and criteria to evaluate the replicability of the project in the various European countries; the end-of- life analysis of the innovative packaging outlined and their possible transport, through an LCA approach; the evaluation of technical and non-technical requirements priority, in order to replicate the project, on the basis of questionnaires distributed to various partners of the consortium; the identification of application contexts of replicability in Europe.

Enel X project: project aimed at optimizing supplier selection criteria, with reference to specific product groups (lighting, electric recharging stations, etc.), in order to achieve greater flexibility in the world context and consequently greater diffusion.

FISSAC - Fostering Industrial Symbiosis for a Sustainable Resource Intensive Industry across the extended Construction Value Chain: project included in the European Union's Horizon 2020 research and innovation program, with the aim of demonstrating and developing an innovative model for industrial symbiosis, initially in the construction sector. Supported by a software platform, it focuses on overcoming regulatory and technological barriers, in order to implement and replicate industrial symbiosis models in multiple territorial and production contexts.

I contributed within this project in searching for information and studying the industrial symbiosis level in the production contexts of copper slag, fly ash and gypsum waste, considering the European context.

SoWhat: project included in the European Union's Horizon 2020 research and innovation program, with the main objective of developing and demonstrating the applicability of an integrated software that will support energy industries and utilities in the selection, simulation and comparison of alternative technologies for the use of Waste Heat and Waste Cold (WH/C), that could conveniently balance the expected H&C demand based on renewable energy (RES). I contributed within this project in searching for sources useful for European thermal energy demand mapping.

BPER Project Founding for Energy Efficiency (PF4EE): project aimed at identifying a sample of suitable and potentially interested in being financed for projects in the energy efficiency field companies (Esco, ISO 14001 and / or ISO 50001 certified companies, energy-intensive companies).

- Dates (from – to)
- Name of the company/city
- Type of company/sector
- Occupation or position held
- Main activities and responsibilities

From September to December 2019

RINA Consulting S.p.A. 19, Via San Nazaro, 16145 Genoa

Consulting company, part of the holding RINA S.p.A., which deals with Energy, Marine, Certification, Transport & Infrastructure and Industry sectors.

Curricular internship in the Environment and Climate Change unit.

Energy Diagnosis in accordance with Art. 8 Legislative Decree 102/2014 and the EU Energy Efficiency Directive (EED): active participation (on-site analysis and reporting) in about ten energy diagnoses, conducted at industrial sites, offices and ferry-boats for passenger transport, belonging to various companies operating in the oil & gas, recreational, production of mechanical components, transport and services sectors. The aim of these works was to ensure compliance with national legislative provisions related to the EED and to identify opportunities, in terms of the best cost/benefit ratio, for the reduction of energy consumption and GHG emissions.

Muse Grids: project included in the European Union's Horizon 2020 research and innovation program, with the aim of demonstrating and promoting the two approaches "Smart Energy System" and "Local Energy Community". Through two demo-sites (Osimo, an Italian town and Oud-Heverlee, a rural neighbourhood in Belgium), a combination of technical and non-technical solutions are tested aimed at an optimized management of local energy networks (electricity, district heating, district cooling, gas, electric mobility), through the enhancement of cogeneration, storage, renewables, smart grid functions and control strategies.

I contributed within this project in the identification and mapping of both the technologies present on the site and the proposed improvement solutions, subsequently determining a series of environmental KPIs, aimed at assessing the environmental impact of the proposed change.

NEXUS Pilot Project – Mini Grid System, Ethiopia: support for the development of a pre-feasibility study, aimed at assessing the suitability of three selected agricultural projects in Ethiopia (Menna, Kercha Dewa, Figa Bike), concerning irrigation and renewable energy supply. Project coordinated by IFAD (International Fund for Agricultural Development), in collaboration with RES4Africa.

Uzbekistan ECO Cement Plant: a feasibility study from the energy point of view regarding a cement plant construction project in Uzbekistan (annual production/output of 1,225 Mt of cement), through comparison with the sector's Best Available Techniques (BAT) and the "Environmental, Health, and Safety Guidelines for Cement and Lime Manufacturing" of the International Finance Corporation (IFC).

- Dates (from – to) From 2014 to 2018
- Name of the company/city Carlo Cattaneo – LIUC University, 22, Corso Matteotti, 21053 Castellanza (VA)
- Type of company/sector University orientation office
- Occupation or position held 150 hours per year contracts and collaboration contracts
- Main activities and responsibilities Administrative activities and relations with the public, also carrying out university presentation activities at sector fairs in various Italian regions.

- Dates (from – to) From January to July 2018
- Name of the company/city ARS Ambiente S.r.l., 45, Via Carlo Noè, 21013 Gallarate (VA)
- Type of company/sector Company that deals with technical, design and regulatory consultancy to companies and entities involved in the integrated waste management cycle
- Occupation or position held Curricular internship
- Main activities and responsibilities Waste4Think “Moving Towards Life Cycle Thinking By Integrating Advanced Waste Management Systems”: project included in the European Union's Horizon 2020 research and innovation program, with the aim of progressing current waste management practices towards a circular economy context, demonstrating the value of the integration and validation of twenty eco-innovative solutions that cover the entire waste value chain.
I contributed within this project in the research and design of a new service for the project leader company ARS Ambiente S.r.l., aimed to raise awareness and train citizens on their waste production, as a fundamental step for continuous improvement. (Master's degree thesis topic).

- Dates (from – to) From February to June 2016
- Name of the company/city Jmac Europe, 42, Corso Magenta, 20123 Milano, Italy
- Type of company/sector Japanese consulting company
- Occupation or position held Curricular internship
- Main activities and responsibilities Review of the training offer proposed by the company, improvement of the guiding tools (Job Element Sheet and Standard Operating Sheet), used during the experiential training courses, search for strategic partnerships for the promotion of the brand and for the launch of new consulting projects in Lean Manufacturing. Coach at experiential training courses for Technogym S.p.A. and Ansaldo Energia S.p.A. (Bachelor's degree thesis topic)

EDUCATION AND TRAINING

- Dates (from – to) From October 2020 to December 2023
- Name/type of organisation providing education and training Scuola Superiore Sant'Anna
- Principal subjects/occupational skills covered Research: working on Sustainability topics with a focus on the Energy transition. Specifically, my fields of study are the Industrial Symbiosis and the Energy Communities. I became passionate of Paradox Theory and my PhD thesis will be based on this theory analysing tensions in the corporate sustainability field.
-Systematic literature review (published) in the corporate sustainability field about both the antecedents that influence the active management of paradoxical tensions, and the role of the organisational strategic levels considering the two types of tension management (active and defensive):
Alosi, A., Annunziata, E., Rizzi, F., & Frey, M. Conceptualising active management of paradoxical tensions in corporate sustainability: A systematic literature review. *Business Strategy and the Environment*; <https://doi.org/10.1002/bse.3314>
- Qualitative paper (submitted) linking Paradox Theory and Goal Setting Theory, concerning self-efficacy and the acceptance of paradoxical tensions in the circular economy field;
- Qualitative paper (ongoing) about paradoxical tensions in the Industrial Symbiosis context (linked

to the Horizon 2020 CORALIS project, where I am project manager for the market analysis, IPRs strategy and exploitation plan);

-Qualitative paper (ongoing) about legislative barriers around Europe in the Industrial Symbiosis context;

- Quantitative paper (experiment) on citizens involvement in Energy Communities (ongoing).

Other activities:

-Publication (on "Pandora Rivista") of an article on the Italian PNRR (Piano Nazionale di Ripresa e Resilienza), about a critical focus on circular economy and energy transition:

<https://www.pandorarivista.it/articoli/economia-circolare-e-transizione-energetica-tra-ambiente-e-mercato-alla-ricerca-di-un-difficile-bilanciamento/>

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-Participation as observer in the first week of COP26 in Glasgow;

-Participation in various conferences (GRONEN, PREP, Sdewes, SIMA, EURAM);

-Reviewer for R&D Management conference 2022;

-Reviewer for Sustainable Development Journal (two papers);

-Reviewer for Business & Society Journal (one paper);

-UniCal Summer School on Experiments Design;

-Participation in "Seconda e Terza Conferenza Nazionale delle Comunità Energetiche" (2022 e 2023).

• Title of qualification awarded

PhD in Management Innovation, Sustainability and Healthcare

• Dates (from – to)

From March to June 2023

• Name/type of organisation providing education and training

EBS University (Germany)

• Principal subjects/occupational skills covered

PhD visiting:

-Quantitative paper (ongoing) about the operational managers' intention of implementing changes linked to the Industrial Symbiosis context (linked to the Horizon 2020 CORALIS project, where I am project manager for the market analysis, IPRs strategy and exploitation plan);

-Other research ideas proposed by the hosted University.

• Dates (from – to)

From January to December 2019

• Name/type of organisation providing education and training

Scuola Superiore Sant'Anna

• Principal subjects/occupational skills covered

Main contents of the Master: efficient management of waste cycle, water and energy resources, circular economy and management principles.

Laboratory pursued during the Master (April - November 2019): "Production, recovery and disposal of special hazardous waste: short-term autonomy and prospects".

Project realized in collaboration with the companies Itelyum S.r.l. and Barricalla S.p.A. and presented at Ecomondo 2019.

Proposed and achieved objectives: to analyze the national management of special hazardous waste and to propose a potential solution to increase the autonomy of the national landfills authorized to receive special hazardous waste, based on solutions for greater recovery in Italy and Europe. The study was based on various sources, such as Eurostat, Istat/OECD, Ispra Special Waste Reports 2016-2017-2018-2019, National Section of Waste Cadastre (Ispra), corporate institutional sources (authorizations, websites), interviews with the managers of the recovery/disposal systems.

LifeTackle: project included in the European Union Horizon 2020 research and innovation program, with the aim of improving the environmental management of football matches and the general level of awareness and attention towards environmental issues in the football sector. I contributed within this project as an active part in the data collection, obtained through questionnaires addressed to the public and staff of the Luigi Ferraris Stadium (GE).

• Title of qualification awarded

Second level Master on management and control of the environment: circular economy and efficient management of resources (GECA).

<ul style="list-style-type: none"> • Dates (from – to) • Name/type of organisation providing education and training • Principal subjects/occupational skills covered 	<p>From 2016 to 2018 Carlo Cattaneo – LIUC University</p> <p>Master's degree in Management Engineering - Industrial Sustainability specialization. <u>Industrial Design Project (January - June 2018)</u>: project carried out in collaboration with the company Fiamma S.p.A., inherent in the design, construction and marketing of an innovative product (bike carrier for tow hook). Market and marketing studies parallel to analyses, carried out with the main product and process engineering tools, led to the proposal of an operations plan, completed with the presentation of a business plan to the examination commission. Evaluated as the best project of the course, with a score of 30/30.</p>
<ul style="list-style-type: none"> • Title of qualification awarded 	<p>Master's degree with a score of 108/110 Thesis title: "<i>Communication as Added Value for Improvement in Waste Management: the Case of the New Kayt Service - Know As You Throw - in the European Waste4think Project</i>" Supervisor: Prof. Giorgio Ghiringhelli</p>
<ul style="list-style-type: none"> • Dates (from – to) • Name/type of organisation providing education and training • Principal subjects/occupational skills covered 	<p>From July 2016 to February 2017 University of South Australia – UNISA, Adelaide (Australia)</p> <p>Exchange (international): attendance of courses and conducting the related exams in English.</p>
<ul style="list-style-type: none"> • Dates (from – to) • Name/type of organisation providing education and training • Principal subjects/occupational skills covered • Title of qualification awarded 	<p>From 2013 to 2016 Carlo Cattaneo – LIUC University</p> <p>Bachelor's degree in Management Engineering</p> <p>Bachelor's degree with a score of 105/110 Thesis title: "Standardization as the basis for the improvement" <i>1st Supervisor: Prof. Tommaso Rossi</i> <i>2nd Supervisor: Prof. Claudio Carbonaro</i></p>

PERSONAL SKILLS AND COMPETENCES

Matured over the course of own life and work experience, even if not supported by certificates or official certificates.

Open-mindedness towards diversity and comparison of opinions;
Empathy and involvement skills;
Curiosity and availability in learning;
Collaborative and comparison skills in group works;
Propensity for critical and reasoned analysis;
Tenacity in achieving the set goals;
Creativity and willingness to take the initiative.

MOTHER TONGUE

ITALIAN

OTHER LANGUAGES

ENGLISH (IELTS CERTIFICATION)

- Reading skills
- Writing skills
- Speaking and listening skills

EXCELLENT
EXCELLENT
EXCELLENT

- Reading skills
- Writing skills
- Speaking and listening skills

SPANISH
GOOD
GOOD
GOOD

RELATIONAL SKILLS AND COMPETENCES

Highlight your propensity for interpersonal relationships, especially for positions that

On personal level, predisposed towards communication, comparison and group work;
CAI (Club Alpino Italiano) associated: excursions require communication, collaboration, sharing and teamwork to allow the whole group to complete the route safely;

require teamwork or interaction with customers or business partners.

Various travel experiences: around Europe and Italy (research conferences, travels, and work experiences), Chile (2018 - cultural exchange hosted by a local family), Papua New Guinea (2017 - volunteering), Australia (2016/2017 – University Exchange program), Canada (2014 - cultural exchange hosted by a local family);
Theatre activities;
Skills and Behaviour Program (2013/2014) at LIUC University (modules: leadership, teambuilding, communication, relationship).

ORGANIZATIONAL SKILLS

Explicit the skills acquired in the possible coordination of other people or if in charge of managing projects in complex and articulated business contexts.

Living away from home from the first year of university allowed to develop organizational skills and self-knowledge;
Possibility to carry out many group works in university and post-university fields;
Management and coordination of projects during university and the work experiences during and after studies;
Volunteering: after-school help for students from elementary to high school.

ABILITIES AND TECHNICAL SKILLS

Possible knowledge of specific machinery or particular techniques, also in the IT/management field.

Operating systems: Windows and Android;
Softwares: Office Suite, Java (Eclipse), Arena, MySql, Stata

ABILITIES AND ARTISTIC SKILLS

*(if inherent to the wanted profession)
Any skills in music, writing, graphics, drawing etc.*

OTHER SKILLS AND COMPETENCES

DRIVING LICENCE/LICENCES

B type

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Alice Alosi

22/10/2023