

Francesca Munerol

Experience

2018 – now **Legal Specialist & Researcher**, *CIMA Research Foundation*, Savona, Italy

Research:

- **Water resources management, water security, and sustainability.** Specific focus on the **emergence of experiential knowledge and potential conflicts** across stakeholders in contexts of water scarcity and droughts;
- **Characterization of the link between trial judgements and the civil protection system and Responsible of the lawsuit Platform of the Italian Civil Protection** ("WikiProcessi");
- **Educational-awareness-advocacy projects** with minors aged 8-19 on sustainability, water, climate change, and conflicts. Activities with 17-19 years old students are particularly geared toward advocacy through the so-called Next-Gen COP concept;
- **Planning of participatory processes** in civil protection;

Lectures:

- **University of Genova**, Lecturing for the PhD Program "Security, Risk and Vulnerability", concerning the responsibility of the operators and of the algorithm in the field of civil protection (A.A. 2021/22);
- **University of Genova**, Lecturing for "INPS - Valore PA" - 1st Level training course, including the emergency management and civil protection mechanisms, and other reforms (A.A. 2021/22, 2022/23);
- **Centro Studi della Marca Trevigiana**, Training Course regarding the responsibility of the Mayors, the Technicians and civil protection Volunteers in emergency activities, with reference to judgements;

Legal Consultancy:

- Verifying **contract compliance** with the overall legal framework and with the structure of the organization;
- Drafting legal documents and opinions to contribute in developing **internal policies and regulations**;
- Drafting legal documents and opinions on **European Union and African Union area contracts**;
- **Data Protection Officer** for CIMA Research Foundation;
- **Law and Legal Directives Consultancy** for the Italian Civil Protection, given that CIMA is a Competence Center for liability in civil protection on the Italian Civil Protection regulation;

Projects:

- **I-CHANGE**, Citizen Actions on Climate Change and Environment, 2021-2024, H2020;
- **PITEM RISK-Com**, La forza della prevenzione, 2018-2021, INTERREG;
- **COP dei giovani di Aosta**, 2023, INTERREG;
- **DIONISO**, Tecnologie innovative di domotica sismica per la sicurezza sismica degli edifici, 2022 (conclusione progetto), MIUR;

2016–2018 **Assistant to the Civil and Criminal Judge**, *Court of Savona*, Savona, Italy

Duties included the study of procedural debate mechanisms, conduct of hearings and drafting of judgments, ordinances and decrees.

2015–2016 **Trainee Lawyer**, *Olcese law firm*, Genova, Italy

Duties included analysis of the lawsuits and drafting procedural documents on family, civil and commercial law areas.

Education

2021 **University diploma in Methods for cooperation in development and participatory project management**, *University of Trento*, Trento,

Unesco Chair in Engineering for Human and Sustainable Development

2017–2018 **Supplementary exams in Law and Economics**, *University of Genova*, Genova,

These exams aimed at developing skills in project planning and valuations, as well as at qualifying for teaching in Law and Economics.

Exams: political economy, business administration, public administration economics and statistics.

- 2016–2018 **Specialization school for legal professions**, *University of Genova*, Genova,
 Practical and theoretical preparation for public competitions.
 Pillar exams: civil, criminal, administrative, European Union law and international law.
 Specialization thesis in Administrative Law: "Logical-temporal priority in the evaluation of mutually exclusive appeals in the field of public procurement" (July 2018).
 Supervisor: Prof. Maria Piera Vipiana.
- 2011–2016 **Graduated in Law**, *University of Genova*, Genova, *110/110 cum laude*
 Degree thesis in penitentiary law: "Female detention with particular attention to the imprisoned mother".
 Supervisor: Prof. MariaFranco Della Casa.

Awards

- 2023 **International Prize Galileo Galilei - Young Researcher, 2023** awarded by Rotary Genova for my research on water and conflicts.
- 2015–2016 **Member of the Italian team selected for the Manfred Lachs Moot Court Competition**, held at Strathclyde Law School (Glasgow, UK). The competition, organized by the European Space Law Center, was based on drafting and presenting the indictment and defense documents concerning the space responsibilities of the States involved in the dispute.
- 2015 **Selected trainee** for the "I want to be Manager" program, organized by the University of Genoa (Italy). The activities consisted in participation in company activities, with particular attention to external legal issues and internal matters. The companies involved for my internship were A.B.B. (engineering company) and UASC Italy Srl (maritime carrier).
- 2015 **Selected student** for the Summer School "Satellites and space technologies" organized by the University of Genova.

Outreach

- 2023-now **Steering committee and Speaker** for *NextGen COP*, an educational, outreach, and advocacy initiative promoted by CIMA Research Foundation and ARPA Valle d'Aosta to simulate the decision process of the Conference of Parties (COP) and identify priorities of young school students with regard to mitigation and adaptation and the sustainable use of water resources.
- 2022 **Speaker** at the webinar "Algorithms and SMart Cities", PhD program on Security, Risk, and Vulnerability, Unige Law Department.
- 2021-now **Steering committee and Speaker** for *Water and Us*, an educational and outreach initiative promoted by Francesco Avanzi and myself at CIMA Research Foundation to raise awareness among high-school students about the importance of a sustainable use of water resources and the associated conflicts in a warming climate (Liguria, Italy).
- 2022 **Educational Seminar** for "*Prime Minister*", a political-science school for young women, organized by the William Salice Foundation COLOR YOUR LIFE (Loano, Italy).
- 2022 **Invited Seminar** for *Rotary International* on the importance of a sustainable use of water resources and the associated conflicts in a warming climate (Albenga, Italy).
- 2022 **Invited Seminar** for *Rotary International* on the importance of a sustainable use of water resources and the associated conflicts in a warming climate (Brescia, Italy).
- 2021 **Invited Seminar** for the *Center on Environmental Education* on the importance of a sustainable use of water resources and the associated conflicts in a warming climate (Cairo Montenotte, Italy).
- 2021 **Speaker at** the webinar "Legislation for historical city centers", Unige Law Department.
- 2021 **Speaker at** the "51st Earth Day – Restore our Earth initiative", Comune di Savona.
- 2019 **Speaker at** "Italy & Africa - X SperA Conference - Solidarity, Projects and Resources for Africa" at Museoteatro Commenda di Prè (Genoa), at the conclusion of the Course in International Development Cooperation.

Training courses and conferences

- 2020 *Cibus Forum - "Food&Beverage and COVID-19"*, organized by Fiere di Parma, in Parma. This Forum explores the transition and transformation in the wake of the new scenarios opened by the Covid-19 emergency.
- 2020 *UN Introductory Course on SDG 16 and access rights, the Aarhus Convention, and the Escazú Agreement* organized by InforMEA, UNECE, ECLAC and UN-Environment programme. This course explores the environmental dimension of SDG's.
- 2020 *Harvard Edx "Justice" Course* organized by Harvard University and Edx Platform. Topics include income distribution, the role of markets, debates about rights (human rights and property rights), arguments for and against equality.
- 2020 *ReStart in Green - Dialogues between law and governance models online Forum* organized by Camera Forense Ambientale, Remtech and BitMAT.
- 2020 *Iubenda "Consent and internal compliance: how to adapt your site/app and your organization to the GDPR"* organized by Iubenda Privacy Policy Generator.
- 2020 *Future Studies Course* organized by Roberto Poli, Professor of Anticipating Systems at the Department of Sociology and Social Research of the University of Trento - UNESCO Chair, on the development of anticipation techniques for the efficient management of the hydrogeological risk of Genoa in 2040, in the context of strategic planning which reduces risks and increases the resilience of the community.
- 2019 *International Development Cooperation Course* organized by the University of Genoa, on issues of sustainable development in view of achieving the goals set in the 2030 Agenda by 193 UN member countries.
- 2019 *The Proterina 3Évolution Project. The third step in protecting the territory from natural hazards: the participatory evolution in the management of flood risks"* 1st edition, organized by the Sardinia Region and ANCI Sardegna, held in Cagliari.
- 2019 *International Conference on Administrative Studies in "Administrative democracy and its manifestations"* 2nd edition, organized by the University of Genoa, at the Imperia branch.
- 2016 *Newspace Tech, Business and Regulatory Workshop Course* organized by Strathclyde Law School.

Volunteering

- 2021 **Volunteer** at the refugee camp in Lesbo, Greece.
- 2015–2016 **Inventor and promoter of the "Liberamente" project.** During the university students tutoring, I organized activities for the detainees of the Imperia Prison, which would help them to define the concept of personal responsibility, in a participatory process.

Papers

1. F. Munerol, M. Andreaggi, G. Botto, M. Timo, M. Altamura, F. Avanzi, E. Cremonese, I provvedimenti avverso la siccità come "seme di conflitto", *Consulta Online*, 2024, https://giurcost.org/studi/aavv_siccita.pdf
2. F. Avanzi, F. Munerol, M. Milelli, S. Gabellani, C. Massari, M. Giroto, E. Cremonese, M. Galvagno, G. Bruno, U. Morra di Cella, L. Rossi, M. Altamura, L. Ferraris, Winter snow deficit was a harbinger of summer 2022 socio-hydrologic drought in the Po Basin, Italy, *Nature Communication Earth & Environment*, 2024
3. Munerol, F., Avanzi, F., Panizza, E., Altamura, M., Gabellani, S., Polo, L., Mantini, M., Alessandri, B., and Ferraris, L.: Water and Us: tales and hands-on laboratories to educate on sustainable and nonconflictual water resources management, *Geoscience Communication*, 2024
4. L. Ferraris, M. Altamura, F. Munerol, La Responsabilità penale degli operatori del Sistema nazionale di Protezione Civile negli studi di fondazione CIMA, *Il diritto dell'economia*, issn 1123-3036, anno 68, n. 109 (3 2022), pp. 519-540:
5. F. Munerol, M. Altamura, La fragilità del centro storico: tra l'Aquila ed Albenga, *Consulta-online*, 2022;

Conference Proceedings

1. Can climate change training promote pro-environmental behavior in the long term? A pilot study with teenagers, by Francesca Munerol et al. (Session: ITS3.13/HS12.5 – Citizen science for engagement in climate change and natural hazard management - tools and applications), EGU 2024
2. From snow to socio-hydrology: mechanisms behind the 2022 drought in the Alps, by Francesco Avanzi et al., Session: HS2.4.4 – Understanding and modelling hydrological response under climate variability and change, EGU 2024

3. F. Munerol, F. Avanzi, M. Morando, M. Altamura, S. Gabellani, M. Galvagno, E. Cremonese, L. Ferraris, Snow droughts as a precursor of water conflicts, EGU General Assembly, 2023;
4. F. Munerol, L. Polo, A. Parodi, I-CHANGE project (Individual Change of HABits Needed for Green European transition), The 2023 National Conference of the NNGTS (7th, 8th and 9th of February, 2023);
5. L. Esbrí, M. Carmen Llasat, M. Llasat-Botija, R. Marcos, E. Pardo, E. Peerling, G.-J. Steeneveld, F. Barbano, E. Brattich, T. Carlon, C. Cintolesi, S. Di Sabatino, S. Tondini, A. Mölter, F. Munerol, A. Parodi, L. Polo, M. Adnan, P. Alpert, Y. Rubin, B. M. Torou, S. Salack, M. A. Sawadogo, Living Labs to promote the citizen participation in change of individual habits in a context of Climate Change: a joint vision through their implementation plans, th MetMed conference (22-24 May 2023, Genoa);
6. A. Parodi, S. Di Sabatino, F. Munerol, E. Brattich, P. Alpert, P. Mazzetti, F. Pilla, M. C. Llasat, G.-J. Steenveeld, M. Adnan, F. Wetterhall, K. Soini, E. Welan, K. Firus, M. Kalas, C. Trozzi, E. Broschkowski, S. Salack, I-CHANGE (Individual Change of HABits Needed for Green European transition) project, Plinius Conference Abstracts, Vol. 17, Plinius17-21, 2022, 17th Plinius Conference on Mediterranean Risks;
7. F. Munerol, F. Avanzi, E. Panizza, M. Altamura, S. Gabellani, L. Polo, M. Mantini, B. Alessandri, L. Ferraris, "Water and Us": tales and hands-on laboratories about water and conflicts to educate on sustainable water resources management; EGU General Assembly, 2022.