

## WORK EXPERIENCE

Jan 2023- April 2023	Visiting PhD student at Helmholtz Centre for Environmental Research (UFZ)- Department of Ecosystems of the future (Leipzig, Germany) <b>Tutor:</b> Prof. Dr. Martin Volk (martin.volk@ufz.de) Dr. Michael Strauch (michael.strauch@ufz.de)
15 Mar 2021	Professional membership: professional order of environmental and civil engineering. Enrolled in the professional register of “Ordine degli Ingegneri della Provincia di Bari”. Mumbership number: 11897.
Jul 2020-Jul 2020	Site inspection engineering in photovoltaic fields of Global Solar Fund by Uning Engineering company (Bari, Italy)
May 2019- July 2019	Internship at Municipality of Bari City (Bari, Italy)-Urban Planning and Private Construction Site inspection and architectural and environmental survey mapping on Digital Support Software GIS <b>Tutor:</b> Arch. Anna Vella (a.vella@comune.bari.it)

## EDUCATION

Nov 2020-present	PhD in Sustainable Land Management Cycle XXXVI. At University of Bari Aldo Moro (Bari, Italy). Affiliation: Water Research Institute, National Research Council (Bari, Italy). Research project: <i>Defining ecological flow in Mediterranean rivers</i> . <b>Tutor:</b> Eng. Anna Maria De Girolamo (annamaria.degirolamo@ba.irsra.cnr.it) Prof. Eng. Francesco Gentile (francesco.gentile@uniba.it) Dr. Antonio Lo Porto (antonio.loporto@ba.irsra.cnr.it)
28 Aug 2022-03 Sept 2022	Catchment Science Summer School 2022 at University of Birmingham (Birmingham, UK). Course coordinator: Jeff McDonnell (jeffrey.mcdonnell@usask.ca; University of Saskatchewan and University of Birmingham). Main topics: runoff processes, landscape analysis, land use and climate change impacts on streamflow, linking field experiments with hydrological modelling (HBV light model).
Mar 2017- May 2020	Environmental Engineering master's degree (LM-35-Classe delle lauree magistrali in Ingegneria per l'ambiente e il territorio) at Polytechnic University of Bari (Bari, Italy) <b>Graduation</b> on 4/05/2020, with the mark of <b>110/110 with honours</b> . Thesis in Slope Stability <i>The impacts of climate change on the stability of the slopes in South-Eastern (SE) Apennines (Italy)</i> . <b>Research Thesis</b> at Euro-Mediterranean Center on Climate Change (CMCC) (Capua, Italy). <b>Tutor:</b> Prof. Eng. Federica Cotecchia (f.cotecchia@poliba.it) Eng. Guido Rianna (guido.rianna@cmcc.it) Eng. Alfredo Reder (alfredo.reder@cmcc.it).
Jan 2018-Jul 2018	Erasmus Programme at Universidad Politecnica de Madrid- Canales, Caminos y Puertos (Madrid, Spain).
Sep 2012-Dec 2016	Engineering Civil and Environmental bachelor's degree (L-7 Classe delle lauree in Ingegneria civile e ambientale) at Polytechnic University of Bari (Bari, Italy) <b>Graduation</b> on 16/12/2016, with the mark of <b>102/110</b> Thesis in Infrastructure and Basin Planning <i>Urban water management by applying Best Practice Management supporting by Storm Water Management Model (SWMM)</i> . <b>Tutor:</b> Prof. Ing. A.F. Piccinni: albertoferruccio.piccinni@poliba.it

## ADDITIONAL INFORMATION

### Publications

Leone M., Gentile F., Lo Porto A., Ricci G.F., Schürz C., Strauch M., Volk M., De Girolamo A.M. Setting an E-Flow regime under climate change. (Under review for Journal of Hydrology: Regional Studies).

Leone, M., Gentile, F., Porto, A. L., Ricci, G. F., & De Girolamo, A. M. (2023). Ecological flow in southern Europe: Status and trends in non-perennial rivers. Journal of Environmental Management, Volume 342, 2023, 118097, ISSN 0301-4797, <https://doi.org/10.1016/j.jenvman.2023.118097>. (Q1 Ecology; IF: 8.7).

Leone, M., Gentile, F., Porto, A. L., Ricci, G. F., & De Girolamo, A. M. (2023). Setting an ecological flow regime in a Mediterranean basin with limited data availability: The Locone River case study (SE Italy). Ecohydrology & Hydrobiology, 2023, ISSN 1642-3593, <https://doi.org/10.1016/j.ecohyd.2023.03.005>. (Q1 Aquatic science; IF: 2.6).

De Girolamo, A. M., Barca, E., Leone, M., & Porto, A. L. (2022). Impact of long-term climate change on flow regime in a Mediterranean basin. Journal of Hydrology: Regional Studies, Volume 41, 2022, 101061, ISSN 2214-5818, <https://doi.org/10.1016/j.ejrh.2022.101061>. (Q1 Aquatic science; IF: 4.7).

De Girolamo A. M., Leone M., Lo Porto A. Potenziale impatto dei cambiamenti climatici sul regime idrologico in bacini mediterranei. Sessione 24 “Impatti e adattamento alle variazioni climatiche”. ISBN: 9788894379914. Atti del 37° Convegno Nazionale di Idraulica e Costruzioni Idrauliche XXXVII. Ingegneria delle acque: cambiamenti globali e sostenibilità.

#### Attendance at conferences

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| 26-30 Jun 2023  | Leone M., Gentile F., Lo Porto A., Ricci G. F., Schürz C., Strauch M., Volk M., De Girolamo A.M. Setting an E-Flow regime under climate change ( <a href="https://swatconference.tamu.edu/#/book-of-abstracts/2023-aarhus">https://swatconference.tamu.edu/#/book-of-abstracts/2023-aarhus</a> ). Talk presented at Soil and Water Assessment Tool (SWAT) Conference in collaboration with the USDA-ARS and Texas A&M AgriLife Research. (Aarhus, Denmark).                                 |
| 23-28 Apr 2023  | Leone, M., Gentile, F., Lo Porto, A., Ricci, G. F., De Girolamo, A. M.: Predicting un-impacted flow regime in a Mediterranean catchment with SWAT+ for setting an Environmental Flow, EGU General Assembly 2023. 23–28 Apr 2023, EGU23-775, <a href="https://doi.org/10.5194/egusphere-egu23-775">https://doi.org/10.5194/egusphere-egu23-775</a> , 2023. Poster presented at European Geoscience Union (EGU) 2023. (Vienna, Austria).  |
| 12-14 Apr 2023  | Leone M., Lo Porto A., Gentile F., Ricci G.F., De Girolamo A.M. Setting an ecological flow regime in a Mediterranean basin with limited data availability: the Locone River case study (S-E Italy). Talk presented at online conference Meeting of PhD students and young researchers- Ecology and water system sciences.   |
| 25 May 2022     | Leone, M., Gentile, F., Lo Porto, A., De Girolamo, A. M.: Ecological flow in southern Europe: implementation in temporary rivers, EGU General Assembly 2022, 23–27 May 2022, EGU22-8309, <a href="https://doi.org/10.5194/egusphere-egu22-8309">https://doi.org/10.5194/egusphere-egu22-8309</a> , 2022. Talk presented at European Geoscience Union (EGU) 2022. (Vienna, Austria).   |
| 11-15 Jul 2022  | Leone, M., Gentile, F., Lo Porto, A., Ricci G.F. and De Girolamo, A. M: Simulating streamflow in Mediterranean environment with SWAT+ for setting an environmental flow ( <a href="https://swatconference.tamu.edu/#/book-of-abstracts/2022-prague">https://swatconference.tamu.edu/#/book-of-abstracts/2022-prague</a> ). Talk presented at Soil and Water Assessment Tool (SWAT) Conference in collaboration with the USDA-ARS and Texas A&M AgriLife Research. (Prague, Czech Republic). |
| 14-16 June 2021 | De Girolamo A. M., Leone M., Lo Porto A. Potenziale impatto dei cambiamenti climatici sul regime idrologico in bacini mediterranei. Talk presented at online Convegno nazionale di Idraulica e Costruzioni Idrauliche -IDRA2021 XXXVII.   |

#### ATTENDED AT COURSES

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| 5- 7 Oct 2022 | “Introduction to Python programming”. Online course organized by Cineca. |
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11-12 Jul 2022	“Hydrological model SWAT+” workshop organized by Czech University of Life Sciences Prague, Faculty of Environmental Sciences in collaboration with the USDA-ARS and Texas A&M AgriLife Research (Prague, Czech Republic).
17 Jun 2022	“Urban hydrology: water-quality problems and their management” organized by Angela Gorgoglione (agorgoglione@fing.edu.uy; Assistant professor at Instituto de Mecánica de los Fluidos and Ingeniería Ambiental - J. Herrera y Reissig (Uruguay)). Workload: 8 hours and final test. (Bari, Italy).
Nov 2020	“Praticare l’open science nelle scienze della terra e dell’ambiente”. Online course organized by Istituto di scienza e tecnologie dell’informazione e Consiglio Nazionale delle Ricerche. Workload: 10 hours and final test.

## PERSONAL SKILLS

MOTHER TONGUE:	Italian				
OTHER LANGUAGES:		Comprehension	Speaking	Writing	Listening
	English	B2	B2	B2	B2
	Spanish	B2	B2	B1	B2

## DIGITAL SKILLS

Office Software Pack; Soil and Water Assessment Tool (SWAT+); Rstudio; Python (basic knowledge); MATLAB (basic knowledge); QGIS; ArcGIS; Hec-RAS; HBV light model; Storm Water Management Model (SWMM); AutoCAD (basic knowledge).

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## AUTOCERTIFICAZIONE

La sottoscritta, consapevole che, ai sensi degli artt. 46, 47 e 75 e 76 del DPR n. 445/2000, le dichiarazioni mendaci, la falsità negli atti e l’uso di atti falsi sono puniti ai sensi del codice penale e delle leggi speciali, dichiara che le informazioni rispondono a verità. La sottoscritta, in merito al trattamento dei dati personali, esprime il proprio consenso al trattamento degli stessi, nel rispetto delle finalità e modalità di cui al Regolamento UE 2016/679 ed al D.Lgs. n.196/2003, così come modificato dal D. Lgs. n.101/2018.



08/08/2023, 