548 Jean-Talon Ouest, Montreal, Quebec, Canada H3N 1R5
E-mail: fsc@grassrootsglobal.net, info@grassrootsinstitute.net
Websites: www.grassrootsinstitute.net, www.grassrootsglobal.net

Summer Field School [Hybrid] on
MOUNTAIN ECOSYSTEMS AND RESOURCE MANAGEMENT
11-20 September, 2023

SPEAKER PARTICIPANT'S PROFILE

Dr. Luca Giupponi
Researcher
Applied Botany, Mountain Plant Agro-biodiversity
UNIMONT - University of Milan
Ge.S.Di.Mont. Research Center – Department of Agricultural and Environmental Sciences-Production, Landscape and Agroenergy

Vai A. Morino 8
25048 Edolo (BS)
ITALY

Tel: +390250330501
Email: luca.giupponi@unimi.it

Highest Education	PhD
Personal Statement	Dear Colleagues, I am Luca Giupponi, a researcher from Italy. I am a botanist involved in the study of the flora and vegetation of the Alps and of the plant agrobiodiversity of mountain areas of Italy.
Brief Bio	**EDUCATION:** 2017: PhD in Environmental Sciences Thesis title: Botanical contributions to improve the assessment of soil bioengineering works 2011: Degree Sciences of Nature Thesis title: Woodland of the Taleggio Valley: synecology, syntaxonomy and syndinamic 2008: BSc Natural Sciences Thesis title: The canyons on carbonates substrates of the Bergamo pre-Alps: notes on flora and vegetation

548 Jean-Talon Ouest, Montreal, Quebec, Canada H3N 1R5
E-mail: fsc@grassrootsglobal.net, info@grassrootsinstitute.net
Websites: www.grassrootsinstitute.net, www.grassrootsglobal.net

Summer Field School [Hybrid] on
MOUNTAIN ECOSYSTEMS AND RESOURCE MANAGEMENT
11-20 September, 2023

	WORK: 2022 – current: Researcher Centre of Applied Studies for the Sustainable Management and Protection of Mountain Areas – CRC Ge.S.Di.Mont. - University of Milan (Milan, Italy) Research topics: Floristic and ecological analysis of plants and plants communities; Agronomic, morphometric and phytochemical characterization of plant agro-biodiversity; Restoration ecology; Biodiversity conservation. Teaching courses: Animal and Plant Biology (A.Y. 2022/2023); Applied Plant Ecology for Mountain Agro-Ecosystems (A.Y. 2022/2023). 2018 - 2022: Postdoctoral research fellow (type A) Centre of Applied Studies for the Sustainable Management and Protection of Mountain Areas – CRC Ge.S.Di.Mont. - University of Milan (Milan, Italy) Research Project: Innovation in agricultural and environmental sciences: from the molecular to the territorial scale Teaching Assistant of the course "Plant Biology" (40 hours) in BSc programme "Conservation and sustainable development mountain areas" at the University of Milan (Lecturer: Prof. Annamaria Giorgi) 2017 - 2018: Postdoctoral research fellow (type B) Centre of Applied Studies for the Sustainable Management and Protection of Mountain Areas – CRC Ge.S.Di.Mont. - University of Milan (Milan, Italy) Research Project: Analysis and enhancement of the botanical, environmental and agri-food heritage of mountain areas

…2

548 Jean-Talon Ouest, Montreal, Quebec, Canada H3N 1R5
E-mail: fsc@grassrootsglobal.net, info@grassrootsinstitute.net
Websites: www.grassrootsinstitute.net, www.grassrootsglobal.net

	2012 - 2014: Research fellow Institute of Agronomy, Genetics and Field Crops - Catholic University of Sacred Heart (Piacenza, Italy) Research Project: Environmental restoration of degraded and desertified soils by a new treatment of reconstitution (NEW LIFE) **PUBLICATION ACTIVITY:** Number of documents: 50 Number of citations: 776 H-index: 16 [Source: Scopus 08.06.2023]
Paper/Presentation Title (Unpublished Research or Review or Field Work)	*Plant Agrobiodiversity a Resource for the Sustainable Development of Mountain Territories: A Case of Italy*
Keywords	Plant agro-biodiversity; Mountain agro-ecosystems; Plant genetic resources; *In situ* conservation; Italian mountain areas
Abstract (100-300 words)	The loss of plant agro-biodiversity is a global problem with repercussions on both humans and agroecosystems. The Food and Agriculture Organization of the United Nations (FAO) estimates that about 75% of global agrobiodiversity has been lost over the last century and that three-quarters of food worldwide is produced by only 12 plant species and five animal species. This loss represents a serious problem that has prompted governments at global and local levels to take immediate action. Italy is legislating to counteract the problem of landrace loss by following EU guidelines: with the law of 1st December 2015 n. 194 ("Provisions for the conservation and enhancement of biodiversity of agricultural and food interest"), Italy recognized the principles for the establishment of a national system of conservation and enhancement of agro-biodiversity. This protection system provides for

548 Jean-Talon Ouest, Montreal, Quebec, Canada H3N 1R5
E-mail: fsc@grassrootsglobal.net, info@grassrootsinstitute.net
Websites: www.grassrootsinstitute.net, www.grassrootsglobal.net

	the creation of an Agrobiodiversity National Register which was set up in December 2019. In recent years, researchers from the University of Milan (Ge.S.Di.Mont. Research Centre) have carried out research aimed at implementing the data of this register. This research investigated the situation for Italian herbaceous landraces preserved on farms (in situ) by merging and analyzing data contained in the main databases on plant agrobiodiversity in Italy. A total of 1615 herbaceous landraces were found: Poaceae, Fabaceae, and Solanaceae together comprise 70% of all herbaceous landraces and are mostly preserved/grown in areas between 150 and 800 m a.s.l. Some hilly and sub-mountain areas of the Apennines and the Alps are hotspots of herbaceous landraces and some of them ("Nero Spinoso" maize and "Copafam" bean) were characterized from an agronomic, nutritional/phytochemical and/or genetic point of view. The results of the analyzes conducted on these landraces will be shown as well as the methods to protect them and promote local and sustainable agri-food chains.
More Information (weblinks)	Institutional Web Page: https://www.unimi.it/en/ugov/person/luca-giupponi ResearchGate: https://www.researchgate.net/profile/Luca_Giupponi Orchid profile: https://orcid.org/0000-0001-9618-1114

The information you are providing in this format will be made public. Please do not give any sensitive information which you do not want to make public.