



● EDUCATION AND TRAINING

2022 – 2024 Bolzano, Italy

SECOND LEVEL DEGREE (MASTER) IN ENVIRONMENTAL MANAGEMENT OF MOUNTAIN AREAS: LM-73

Free university of Bozen/Bolzano / Innsbruck Universitaet

Website www.unibz.it | **Final grade** 110 Cum Laude | **Level in EQF** EQF level 7 |

Thesis Assessing fluvial and riparian vegetation dynamics as indicators of sustainable river management: A bio-geomorphological analysis of the Rio Mareta restoration project (2010-Present)

2021 Bolzano, Italy

SPECIFIC TRAINING IN TECHNICAL AREAS - FORESTRY WORKER General management of the Province of Bolzano - Human resources

Website <https://home.provincia.bz.it/>

2018 – 2022 Bolzano, Italy

FIRST LEVEL DEGREE IN AGRICULTURE AND FORESTRY: L-25 Free university of Bozen/Bolzano

Website www.unibz.it | **Final grade** 103/110 | **Level in EQF** EQF level 6 |

Thesis Monitoring of surface runoff and soil erosion in an area affected by Vaia storm with different forest soil management applications

2012 – 2017 Treviglio, Italy

SECONDARY SCHOOL DIPLOMA Istituto Agrario Statale G. Cantoni,

Website agrariacantoni.edu.it/ |

Field of study Agriculture, forestry, fisheries and veterinary, Natural sciences, mathematics and statistics | **Final grade** 83/100 |

Level in EQF EQF level 4

● WORK EXPERIENCE

AMM. PROVINCIA AUTONOMA BOLZANO, DIPARTIMENTO FORESTE, R 32 FORESTE, UFF. PIANIFICAZIONE FORESTALE – BOLZANO, ITALY

FOREST WORKER – 01/08/2021 – 31/08/2021

Routine maintenance of four monitoring stations for surface runoff and solid transport in the permanent monitoring areas for the MoniVA project at the Lavazé Pass; acquisition and processing of surface runoff and solid transport data; bibliographic research on the various topics and detailed monthly reports on the results obtained from data analysis

● PUBLICATIONS

2022

[Effects of different forest recovery management on runoff and soil erosion in an area affected by Vaia storm](#)

The current study was carried out in a wind damaged forest area and it aims to estimate the effects of management strategies after storm events on runoff and sediment yield. In order to achieve the goal, four experimental plots have been established on an area hit by two windthrows in 2003 and 2018 (Vaia storm). Each plot bound an area of 27 m² (4.5 m x 6 m) and is located on a 40% slope facing East, previously covered with subalpine spruce forest at about 1650 m asl. The considered forest treatments were (1) salvage logging and natural regeneration, (2) no intervention, and (3) salvage logging and artificial regeneration. We measured runoff and sediments yield from September 2020 to September 2022. Water and sediments mobilized in the experimental plots are conveyed in a 1 m³ tank where the content is weighted by a load cell, and a pressure transducer records the water level. An in-situ radar rain gauge measures cumulative precipitation and intensity. Moreover, sediments samples were collected twice a year, dried and sieved to obtain the percentage of organic material and the texture of the eroded soil. The first results show a

contrasting behaviour in terms of runoff/sediment yield between the four plots upon the occurrence of an intense precipitation event. The differences could be explained by the time passed after the windthrow, and the different forest treatments applied. These and future outcomes will be of paramount importance for adapting management strategies to an increasing frequency of subsequential extreme events (windthrow and precipitation).

Andreoli et al., IEEE Workshop on Metrology for Agriculture and Forestry, Perugia (IT), pp.266-270

LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
GERMAN	B2	B2	B2	B2	B2
ENGLISH	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

HOBBIES AND INTERESTS

Drone pilot license A1/A3 Open sub category

Link <https://www.enac.gov.it/>

Italian Alpine Club (C.A.I.) Mountaineering Course - Level A1 - "Corso di Alpinismo A1"

DRIVING LICENCE

Driving Licence: A

Driving Licence: B