

LERU STudent REseArch Mobility Programme (STREAM)
Project proposal



Host University:
Università degli studi di Milano



Field:
Information and Communication Technologies

Specified field, subject:
Structural geology

Research project title:
Quantitative Meso and Microstructural analysis of metamorphic tectonites



Possible starting month(s):

Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
				x							



Possible duration in months:

1	2	3	4	5	6
	x	x			



Suitable for students in: 2nd cycle (Master students)

Prerequisites: Basic petrographic techniques; basic knowledge in structural geology; field work ability

Restrictions: none



Description:

The project will focus on quantitative techniques of meso and microstructural analysis of metamorphic rocks. Three main aspect of the rock fabrics will be measured: Shape Preferred Orientation; Lattice Preferred Orientation and distribution of chemical components. Microstructural analysis by optical microscopy, neutron diffraction and Electron MicroProbe Analysis (EMPA)



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