

**PhD programme in MOUNTAIN ENVIRONMENT AND AGRICULTURE**

<b>Research projects and supervisors</b> (list of available projects to which priority will be given; topics in the short description of research groups may also be proposed as PhD projects)		
<b>Curriculum 1 Sustainable agricultural production systems</b>		
<b>Title</b>	<b>Supervisor(s)</b>	<b>Curriculum</b>
1. Adaptation strategies to climate change in viticulture	Prof. C. Andreotti	1
2. Influence of grassland phytodiversity on livestock performance, behaviour and welfare	Prof. M. Gauly	1
3. Functional traits in local livestock breeds	Prof. M. Gauly	1
4. Smart Agriculture for mountain contexts	Prof. F. Mazzetto	1
5. Estimation of the forage quality of mountain permanent meadows based on environmental and management-related factors.	Dr. G. Peratoner, Prof. M. Gauly	1 Funding institution: Laimburg Research Center
6. Structure characterization and interaction chemistry - Advanced studies of phytoplasma effector proteins	Dr. K. Janik	1 Funding institution: Laimburg Research Center
<b>Curriculum 2: Ecology, environment and protection of mountain areas</b>		
<b>Title</b>	<b>Supervisor(s)</b>	<b>Curriculum</b>
7. Molecular ecology and environmental chemistry as a tool for the cultural heritage conservation	Dr. L. Borruso	2
8. Integrating large scale monitoring networks to characterize cause-effect relationships of forests disturbances in mountain environments	Prof. R. Tognetti, Dr. E. Tomelleri, Prof. L. Montagnani	2