


Methods, IGW, Müller-Sigmund

<p style="text-align: center;">Fluid inclusion microscope</p>	<p>Model: <i>Fluid Inc. heating/cooling stage, Leitz microscope</i></p> <p>Unit and Room: <i>Mineralogy, Lab Build., R. 02005</i></p> <p>Responsible: <i>Sigrid Hirth-Walther (Dr. Hiltrud Müller-Sigmund)</i></p> <p>Further information: <i>http://www.minpet.uni-freiburg.de/sites/analytik/analytik.html</i></p>	
<p>Short Description:</p> <p>The Leitz polarizing microscope has a heating and cooling stage attached that allows determination of phase transitions in fluid and gas inclusions.</p>	<p>Picture of the Equipment</p> 	
<p>Available Experiments/Techniques:</p> <ul style="list-style-type: none"> - cooling down to 190°C by nitrogen gas flow - heating by air or nitrogen gas flow up to 700°C - observation of phase transitions in fluid and gas inclusion in solid materials 		
<p>Special Equipment:</p> <p>DORIC 140A bench thermometer</p>		
<p>Measurements on the equipment are currently done by:</p>	<p><input type="checkbox"/> Students</p> <p><input type="checkbox"/> Students after Introduction</p> <p><input checked="" type="checkbox"/> Students after extensive training</p> <p><input checked="" type="checkbox"/> Trained scientific service personal</p>	
<p>Recent Publications, where this instrument was important (optional): Give citation</p>		
<p>Typical problems that may be solved with this instrument:</p>	<p><i>Determination of phase transitions in fluid and gas inclusions in solids</i></p>	