




Eidg. Forschungsanstalt für Wald, Schnee und Landschaft WSL  
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## Summer drought 2018: solving the riddle of differential beech damage

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<b>Major:</b>	ETH Forest and Landscape Management
<b>Project description:</b>	 <p>The summer drought in 2018 resulted in unprecedented crown damage and mortality of beech trees in particularly in northern parts of Switzerland. A hotspot was the Ajoie region in Canton Jura. However, visible damage and mortality varied among and within stands. We hypothesize that different short- and long-term tree growth patterns, reflecting different tree pre-dispositioning and vigor, could explain these differences. This MSc project will test this hypothesis by measuring and analyzing tree-ring width of beech trees with different degrees of damage from this region. The tree increment cores were already collected together with other site and tree characteristics. The MSc project is part of a larger WSL project and will be based at WSL.</p> <p><a href="http://www.wsl.ch/en/about-wsl/programmes-and-initiatives/wsl-drought-initiative-2018/e3-mid-term-effects-beech.html">www.wsl.ch/en/about-wsl/programmes-and-initiatives/wsl-drought-initiative-2018/e3-mid-term-effects-beech.html</a></p>