

Title:	The interaction between Anemone and Beech in a beech forest
Proposing teacher(s)	Harald Brandt and Pernille Ulla Andersen
Country	Denmark
Language	English and Danish
Target group	6 th -9 th grade
Topic(s) addressed	Phenology, lifecycle of Anemone, N-cycle and interactions between Anemone and Beech.
Motivation to produce this activity	Field work and the opportunity to observe the changes in the forest due to the seasons.
Type of activity: (Webquest, approach, lesson plan...)	Fieldwork, observations, discussions
Short description of the content	The activity is to investigate how the life cycle of anemone plants and beech trees is seasonal and linked to changes in temperature and light intensity in the forest. Students use the App (PhenoloGIT) to record and document the development of plants using photos. Photographs of anemones in the forest are taken to document when anemones germinate and bloom. Similarly, students can take pictures of beech trees. At the same time the students examined how the temperature and the intensity of light vary.
Methodology	Field work, investigations of field data at home
Key competences implemented	Collaboration : Science is inherently a collaborative process with 21st Century emphasis on interdisciplinary and international research, as well as increasing collaboration between 'hard' science and social sciences. A trend toward greater specialization in scientific careers requires researchers to

	<p>rely on the disciplinary expertise of others as collaborators in their work.</p> <p>Information and Communications Technology (ICT) Literacy : Increased computing capacity enables Largescale data analysis, wide array instrumentation, remote sensing, and advanced scientific modeling. ICT innovations provide new tools for doing science including gathering and analyzing data and communicating results.</p>
Transversal skills worked	
Resources needed (software, hardware, other tools...)	The PhenoGIT-app, SparkVue – datalogging
Related materials (links, pdf, etc. if any)	
Time required (hours / months / per week, etc.)	Visit to the forest 4 times from march to may. The duration of the visits 1 hour. Work with data at home: 4 hours.
Reference URL/s (if available)	https://www.phenologit.org/wp-content/uploads/2018/02/Phenologit_AnemoneBeechActivityENGLISH.pdf