

# 1. Activity description form

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| Title:   | Bramble – ripening of blackberries, and understanding why!   |
| Proposing teacher(s)                                   | Harald Brandt og Pernille Ulla Andersen  |
| Country  | Denmark  |
| Language   | English and Danish   |
| Target group   | 6 <sup>th</sup> -7 <sup>th</sup> grade   |
| Topic(s) addressed                                     | Ecology eg. how abiotic and biotic factors influence on ripening of blackberries   |
| Motivation to produce this activity                    | Fieldwork, inquiry based science education   |
| Type of activity: (Webquest, approach, lesson plan...) | Field work observations, hypothesis making   |
| Short description of the content                       | The students make observations of brambles during the spring and fall season. The open question of the lesson plan could eg. be: How do flowers become a fruit? The students compare their observations with abiotic factors as temperature and sunlight and make hypothesis about the ripening. |
| Methodology  | Field observations and inquiry based science education.  |
| Key competences implemented                            | Information and Communications Technology (ICT) Literacy<br><br>Critical thinking and creative problem solving<br><br>Communication  |
| Transversal skills worked                              |  |
| Resources needed (software, hardware, other tools...)  | PhenoloGIT-app<br>Tablets/mobile phones  |
| Related materials (links, pdf, etc. if                 |  |

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| any)  |   |
| Time required<br>(hours / months / per<br>week, etc.) | 1-2 times in the field in spring and fall (1 hour)<br>2-4 lessons at home with follow-up activities |
| Reference URL/s (if<br>available)                     |   |