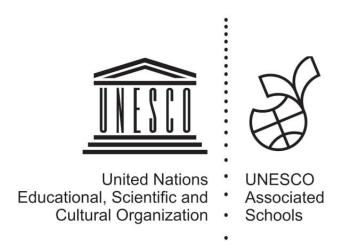
## PHENOLOGICAL STUDIES PROGRAMME

(Starting with the first signs of spring from March till June)

The aim of the studies is to observe when spring appears in the different countries around the Baltic Sea. The observations were started by a little group of pupils from Finland, Sweden and Estonia in 1992 within the UNESCO Associates Schools Network (ASPnet). Now it has grown up to a common programme of the Baltic Sea Project within the UNESCO ASPnet.

Phenological studies is a fun and practical outdoor activity recommended for primary schools but can be done with the secondary school as well by adding the links with the climate change and human impacts into the lesson. This programme does not require special equipments or preparation, and motivates students to observe nature during the spring season. The pupils can observe nature alone, with their family members or with class. The participants have to observe the above named species and write down the date they first saw them.

Then they will send this sheet to their national coordinator: <a href="https://unesco-bsp.blogspot.com/p/coordinators.html">https://unesco-bsp.blogspot.com/p/coordinators.html</a>, so this info can be used in the citizen science. By doing this worksheet, each of us can contribute to the scientific understanding of climate change and it's impacts fort he nature and societies.





The Baltic Sea Project



Baltic Sea Project within UNESCO ASPnet Phenological Studies Programme for set This worksheet is made by Tartu Nature House, Gedy Matisen, based on the previous versions and authors work.

## PHENOLOGICAL STUDIES PROGRAMME WORKSHEET

(Starting with the first signs of spring from March till June)

Teacher's name						
School name						
Class (student's age group)						
Number of participating students						
Area of the observation (address)						
Country of observation						
Teacher's e-mail address						
	-					

How does the species look like?	What are we observing?	When did you do the observation?	Where did you do the observation?	
Photo:.https://commons.wikimedia.org/wiki/File:Alauda_arvensis_2.jpg	When did You  first hear the  voice of skylark  (Alauda arvensis)?	Date:  1.  2.	Observation place:	
Photo: https://commons.wikimedia.org/wiki/File:Toulouse	When did You see the first starling (Sturnus vulgaris)?	Date:  1.  2.	Observation place:	
Photos: https://commons.wikimedia.org/w/index.php?curid=14710617; https://commons.wikimedia.org/wiki/File:Corylus_avellana_0004.JPG	When did You see the first blooms of hazelnut (Corylus avellana)?	Date:  1.  2.	Observation place:	

Photo:https://commons.wikimedia.org/wiki/File:2015.03.0802-Mannheim_VogelstangKleines_Schneegloeckchen.jpg	When did You see the first blooms of snowdrop (Galanthus nivalis)?	Date:  1.  2.	Observation place:
Photo:https://commons.wikimedia.org/wiki/File:Tussilago_farfara_whole.png	When did You see the first blooms of coltsfoot (Tussilago farfara)?	Date:  1.  2.	Observation place:
Photo: https://commons.wikimedia.org/wiki/File:Hepatica_nobilis.jpg	When did You see the first blooms of blue anemone (Hepatica nobilis)?	Date:  1.  2.	Observation place:
Photo: https://commons.wikimedia.org/wiki/File:Zitronenfalter.jpg	When did You see the first brimstone (Gonepteryx rhamni)?	Date:  1.  2.	Observation place:
Photo: https://commons.wikimedia.org/wiki/File:Lasius_Niger.jpg	When did You see the first black ant?	Date:  1.  2.	Observation place:

Photo: https://commons.wikimedia.org/w/index.php?curid=19294486

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Observation place: Date: When did you see the first white stork (Ciconia ciconia)? Photo:  $\underline{https://commons.wikimedia.org/wiki/File:Wei\%C3\%9Fstorch\_(Ciconia\_cico)}$ Date: Observation place: When did You see the first wagtail (Motacilla alba)? Photo: https://commons.wikimedia.org/w/index.php?curid=3800685 Date: Observation place: When did You see the first blooms 1. of sallow (Salix caprea)? 2. Photo: https://commons.wikimedia.org/w/index.php?curid=1667864 Observation place: Date: When did You see the first blooms of wood anemone (Anemone nemorosa)?

	When did You see the first bumblebee flying?	Date:  1.  2.	Observation place:
Photo: https://commons.wikimedia.org/w/index.php?curid=77407413  Photo: https://commons.wikimedia.org/w/index.php?curid=25571415	When did You hear the voices of blackbird (Turdus merula)?	Date:  1.  2.	Observation place:
	When did you hear the "frog concert" near the breeding pond?	Date:  1.  2.	Observation place:
Photo: https://commons.wikimedia.org/w/index.php?curid=177558  Photo: https://commons.wikimedia.org/w/index.php?curid=13124695	When did You hear the voices of cuckoo (Cuculus canorus)?	Date:  1.  2.	Observation place:

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Date: Observation place: When did You see the first house martin (Delichon urbica)? Photo: https://commons.wikimedia.org/w/index.php?curid=40871366 Observation place: Date: When did You see the first cabbage white (Pieris brassicae)? 2. Photo: https://commons.wikimedia.org/w/index.php?curid=7363520Date: Observation place: When did You see the first blooms of bird-cherry (Padus avium)? Photo: https://commons.wikimedia.org/w/index.php?curid=19262669 Date: Observation place: When did You see the first dog-rose (Rosa canina) being in bloom? Photo: https://commons.wikimedia.org/wiki/File: Hundsrose-busch.jp

**Phenological Studies Programme for schools** 

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