Ad hoc support : COMICC

Communicate on the Impact of Climate Change on the Development of Living Organisms

ABSTRACT

Climate change is altering the life cycle of many species, both animal and plant, directly affecting the functioning of agro-ecosystems, the geographical distribution of species and the feedbacks between them.
the functioning of agro-ecosystems, the geographical distribution of species and the feedbacks from the biosphere to the atmosphere and thus the climate system.
from the biosphere to the atmosphere and thus the climate system. Phenology, which is the study of the relationships between
environmental conditions and life cycle development, has become an important topic for many societal and economic issues.
societal and economic issues. As a result, the phenology community has grown considerably over the past 20 years, including
the last 20 years, including actors other than scientists, notably through participatory science programmes.
participatory science programmes. Phenology has also attracted the interest of a growing range of scientific disciplines
(functional and evolutionary ecology, physiology, agronomy, genetics, climatology, remote sensing, aerobiology...). It has
It has become a leading discipline for studying ways of adapting to climate change. For these
For these reasons, it is urgent to make the results of research accessible to as many people as possible, but also to promote scientific exchanges and projects in this field.
scientific exchanges and projects in this field.

On a national scale, research teams from INRAE, CNRS, CIRAD (but also Montpellier University, SupAgro, University of Paris Sud, etc.) as well as technical institutes and associations (Tela Botanica, RNSA, CREA) have
structured around SOERE TEMPO (https://www6.inrae.fr/soere-tempo) in order to increase their visibility on an international scale
and respond to current research issues around Open Science and more particularly Open
Data, the deployment of Innovative Observation Systems, the involvement of Citizen Science in research programmes and the study of
research programmes and the study of the determinants of phenology.

Keywords : Phenology, International, Research, Participatory science, Communication

Year : 2020
Project number : 2000-013
Type of funding : SP
Project type : PC
Research units in the network : AGAP AMAP HORSTYS CBGP URFM
Start date : 1970-01-01
End date : 1970-01-01
Flagship project : no

Project leader : Hendrik DAVI
Project leader's institution : INRA-INRAE
Project leader's RU : URFM

Budget allocated : 10000 €

Total budget allocated (including co-financing) : 10000 €
Funding : Labex

GOAL

The project presented and for which we are requesting support from the Agropolis foundation constitutes a unique opportunity for international influence and dissemination of knowledge for French research on the theme of phenology through (i) the translation into English of a unique work "Plants in the rhythm of the seasons" published by Biotope, a reference work on phenological observation (http://www.biotopeeditions.com/index.php?article351/les-plantes-au-rythme-des-saisons) and (ii) the production of an exhibition for the general public, including schools. The aim of these two actions is to explain how climate change affects the annual life cycle of plants and animals and what ecological, agronomic, economic and public health consequences this generates. This project is part of the activities of SOERE TEMPO, which brings together several members of Agropolis Fondation, and with whom we hope to carry out several national and international communication actions on the impact of climate change on the functioning and performance of living organisms.

Thus, we wish to create communication tools that will mark the life of the network. These actions These actions will take place between April 2020 and February 2021 and may also be included as a highlight at an international conference that we will organise over four years. international conference that we will organise over four days in June 2021 in Avignon. This will be a unique opportunity to opportunity to present this work to researchers from the five continents who are internationally recognised for their expertise in phenology (200-250 people). The link between this international conference project and the translation of the reference guide associated with an exhibition will determine their respective successes, particularly in terms of communication. This is why This is why we wish to associate the Fondation Agropolis with these productions from now on. Finally, this original set-up could serve as an example in other disciplines on an international scale, aiming to open up the world of research to citizens. the world of research to citizens.