

## A continuous data mobilization of Vietnamese bryophyte and lichen collections

BIFA4\_055

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# PROJECT OBJECTIVES

- Continuing mobilizing species information from the cryptogam collections of the Herbarium PC, EGR, TTN, PDU, KoLRI and PHH to GBIF.
- Advance research and help to complete the data of known bryophyte and lichen observations in Vietnam.
- Seminar & Workshop arranged will improve skills and knowledge of local researcher community on GBIF data mobilization.



# DATA SOURCES



**MUSÉUM**  
NATIONAL D'HISTOIRE NATURELLE

PC Herbarium, MNHN, Paris

~4000 specimens



Eger Herbarium, Hungary

~1500 specimens

- Vietnamese lichens in TTN & PDU (~300-500 specimens)
- Vietnamese lichens in KoLRI & KH (~500 specimens)
- Updated bryophytes & lichens collection in PHH (~500 specimens more)



# BIFA3\_032 DATA MOBILIZATION OF VIETNAMESE HERBARIUM CRYPTOGRAM COLLECTIONS IN PHH

## Bryophytes of Vietnam (PHH Herbarium, Cryptogam Collection)

Occurrence dataset

This dataset contains nearly 4000 specimens of bryophytes which were collected in Vietnam. All of the specimens are deposited in PHH Herbarium, Cryptogam collection.

Published by University of Science, Vietnam National University Ho Chi Minh city

3,722 occurrences



## Lichenized fungi of Vietnam (PHH Herbarium, Cryptogam collection)

Occurrence dataset

This dataset contains more than 3000 specimens of lichens which were collected in Vietnam. All of specimens are deposited in PHH Herbarium, Cryptogam collection.

Published by University of Science, Vietnam National University Ho Chi Minh city

3,161 occurrences



## Miscellaneous Bryophytes (PHH Herbarium, Cryptogam Collection)

Occurrence dataset

The dataset contains non-Vietnamese specimens from various sources (collecting trips, duplicates from other herbaria) that are currently deposited in PHH Herbarium, Cryptogam Collection.

Published by University of Science, Vietnam National University Ho Chi Minh city

270 occurrences



# PROJECT TIMELINE

Activities	2019								2020			
	M	J	J	A	S	O	N	D	J	F	M	A
Kick off meeting in PHH												
Seminar & Workshop “GBIF & open data in biodiversity study”												
Visiting Paris for digitizing and databasing specimens												
Visiting Eger for digitizing and databasing specimens												
Visiting TTN & PDU for digitizing and databasing specimens												
Digitizing duplicates of lichen specimens from KoLRI (&KH) to PHH												
Digitizing and databasing specimens, updating identifications												
Publishing the georeferenced species occurrence data to GBIF												





## PROJECT SUSTAINABILITY

- Integration and usage GBIF data in research because we believe this is the most direct and attractive approach. By understand the benefits of GBIF, researchers and students who collecting data from field, or managing a collection will digitize and share their observations as well as sample information to GBIF.
- The seminar hopes to reach to general audiences, including administrative level aiming for promoting and for ensuring the sustainability of the project's outcomes in the long-term.





## PROJECT SUSTAINABILITY

- Strengthen and help to build a workflow on biodiversity data for young students or staff of PHH and partner universities => integrate training contents in university courses
- Datasets will be updated regularly.
- In the future, once GBIF-Vietnam has developed the capacity to run a live server and hosting facility, data from Vietnam publishers could be moved to a national server.



Global Biodiversity  
Information Facility



Ministry of the Environment  
Government of Japan

BIFA

Biodiversity Information  
Fund for Asia



**GBIF**

# & OPEN DATA IN BIODIVERSITY STUDY

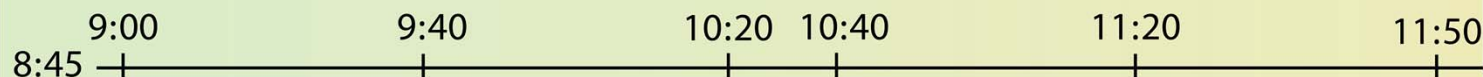
University of Science (VNUHCM), 227 Nguyen Van Cu, District 5, Ho Chi Minh City

## SEMINAR

Venue: F102



15/7/2019



**Sophie PAMERLON**  
(GBIF-France)

"The GBIF network: how to make biodiversity data open and freely accessible"

**PHẠM Nguyễn Đức Hoàng**  
(Institute of Fungal Research and Biotechnology)

"Some legal notes about accessing to genetic resources and benefit sharing from the use of genetic resources in Vietnam"



**Sanna HUTTUNEN**  
(University of Turku, Finland)

"Opportunities and challenges in Open Science"

**LƯƠNG Thiện Tâm**  
(VNUHCM-US & University of Turku)

"BIFA projects on data mobilization of Vietnamese bryophyte and lichen collections"

**Registration link** (before 10/7/2019):

<https://forms.gle/vcy9NQNKs2yMDwfz5>

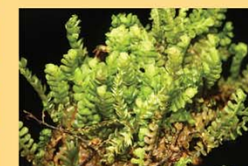
For more information, please contact Phi Giao (vtpgiao@hcmus.edu.vn)

## WORKSHOP

Darwin Core IPT  
Data publishing Data quality  
Open Refine GBIF.org Data papers  
Ecological Metadata Language



15-17/7/2019



**PHH**

Cryptogam Research Group





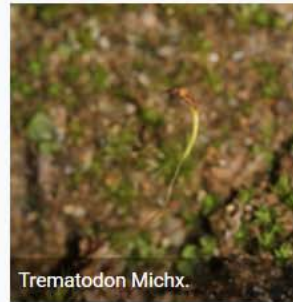
# THANK YOU!



Dicranoloma (Renauld) Renauld



Pterobryaceae



Trematodon Michx.



Pleurozia Dumort.



Sematophyllum subhumile Fleischer, 1923



Cryptopapillaria fuscescens Menzel, 1992



Trachycladiella sparsa Menzel, 1994



Distichophyllum Dozy & Molke



Acroporium Mitt.



Pseudobarbella levieri  
Noguchi, 1948



Sphagnum L.



Meteorium subpolytrichum Brotherus, 1906



Glossadelphus



Acroporium Mitt.



Syrrhopodon Schwägr.



Bryum Hedw.