

Capacity Building through Regional Cooperation for Data Mobilization in Belarus, Latvia and Lithuania

Programme: CESP

Project ID: CESP2020-015

Project page: <https://www.gbif.org/project/9BKeb7ka92YPFUjhwv4UL/capacity-building-through-regional-cooperation-for-data-mobilization-in-belarus-latvia-and-lithuania>

Project lead organization: Scientific and Practical Center of the National Academy of Sciences of Belarus for Bioresources

GBIF Participant Represented: Republic of Belarus

Project implementation period: 1/8/2020 - 31/3/2022

Report approved: 22/11/2022

Narrative Final report

Executive Summary

During the implementation of the project, an increased interest in the activities of GBIF among all participants was revealed. The 39 of organizations (Belarus - 18, Latvia - 13, Lithuania - 8) that can obtain the status of publishers (the list is attached in the attached report) has been identified. Of these, 5 already have the status of publishers, some are considering the likelihood of joining, Klaipeda University in the process of implementing the project, has applied for joining. The March 2021 seminar and November 2021 GBIF development conferences in the region were of great benefit. In total, more than 100 people from 8 countries took part in the events.

One of the main difficulties encountered throughout the project implementation period is the geopolitical situation, which complicates the full interaction between the project participants and interested parties.

Unfortunately, for the same reason, it was not possible to translate information from the gbif.org website into Russian.

As a result of the project, a list of publications on eukaryotes of the region was compiled. Work with which will continue after the end of the project. The list for Belarus is published on the website developed as part of the project gbif.by. Lists for eukaryotes of Latvia and Lithuania, after the corresponding revision will be posted on the websites of partner organizations.

A general list of publications, distributed among individual files named from the first letter of the first author's name, is attached in project documents.

The development of the site, its filling with up-to-date information will also be carried out in the post-project period

Report on Activities

Activity progress summary

A list of organizations engaged in the study of biological diversity in the region has been compiled, the same organizations are holders of collection funds, the estimated total is about 2.5 million herbarium sheets and about 5 million copies in zoological collections. At this stage, requests were sent to organizations, including questionnaire data, asking for information to be included in metadata-type datasets.

Work in this direction will continue in the post-project period. The list of organizations is available on the website of the National GBIF node of Belarus. Also on the site is a list of existing and publicly available databases, including from the civil science category.

A list of bibliographic sources on eukaryotes of Belarus, Latvia and Lithuania has been compiled. The Belarusian part is posted on the website, sections on Latvia and Lithuania are being prepared for publication on the websites of organizations of project participants.

Work in this direction will continue in the post-project period. The developed guide contains brief information about GBIF, and an algorithm for actions to prepare data sets and place them in the GBIF system. The manual was prepared in Russian and posted on the website.

The seminar and conference were held as scheduled. More than 100 people from 8 countries took part in the work. Materials are available on the site.

The website of the national GBIF node of Belarus has been developed, which includes all the basic

information about the potential of Belarus in the field of biological diversity research. The work on information support of the site will continue as part of the work of the National Node in the post-project period.

The site is currently running.

Completed activities

Activity name: Screening of specimen collections

Description: A list of organizations engaged in the study of biological diversity in the region has been compiled, the same organizations are holders of collection funds, the estimated total is about 2.5 million herbarium sheets and about 5 million copies in zoological collections. At this stage, requests were sent to organizations, including questionnaire data, asking for information to be included in metadata-type datasets.

Start Date - End Date: 1/8/2020 - 31/8/2021

Verification Sources: gbif.by

Activity name: Assessment of the completeness of published data on biodiversity of the region

Description: A list of bibliographic sources on eukaryotes of Belarus, Latvia and Lithuania has been compiled. The Belarusian part is posted on the website, sections on Latvia and Lithuania are being prepared for publication on the websites of organizations of project participants.

Start Date - End Date: 1/8/2020 - 31/3/2022

Verification Sources: gbif.by

Activity name: A list of organizations conducting biodiversity studies

Description: The list is compiled, available in the report and on the website of the National GBIF Node of Belarus

Start Date - End Date: 1/8/2020 - 31/3/2021

Verification Sources: gbif.by

Activity name: Creation of supplementary information materials

Description: GBIF information and additional information are available on the website of the National GBIF Node of Belarus

Start Date - End Date: 1/8/2020 - 31/5/2021

Verification Sources: gbif.by

texbook GBIF-CESP015.pdf

Activity name: Workshop

Description: A seminar «The dataset preparation in the Global Biodiversity Information Facility (GBIF)» was held (March 29-31). The seminar was attended by 54 people from various organizations of Belarus, Latvia, Lithuania, Poland, Russia, Ukraine and Estonia. The seminar was held online using Zoom.

Start Date - End Date: 29/3/2021 - 31/3/2021

Verification Sources: Final report texbook GBIF-CESP015.pdf; gbif.by;

https://drive.google.com/drive/u/0/folders/1icqJRVyhRbT4Qtd_QRFYct-9YBvz1g38

<https://biobel.by/ob-organizatsii/vse-novosti/704-mezhdunarodnyj-seminar-podgotovka-naborov-dannykh-v-global-nuyu-bazu-dannykh-po-bioraznoobraziyu-gbif-the-dataset-preparation-in-the-global-biodiversity-information-facility-gbif-29-31-marta-2021-g-g-minsk-belarus>

Activity name: GBIF Conference

Description: From November 16 to 19, 2021, the 1st International Scientific Conference “Global Biodiversity Information Facility: the modern development trends in Belarus, Latvia and Lithuania” was held. The materials are available on the website of the National GBIF Node of Belarus under Resources

Start Date - End Date: 16/11/2021 - 19/11/2021

Verification Sources: Final Report Programm, Announcement (Ru, Eng), Materials, Title; gbif.by;

<https://biobel.by/ob-organizatsii/vse-novosti/712-iv-mezhdunarodnaya-nauchno-prakticheskaya-konferentsiya-itogi-i-perspektivy-razvitiya-entomologii-v-vostochnoj-evrope-belarus-g-minsk-1-3-dekabrya-2021-g-iv-international-research-to-practice-conference-results-and-prospects-of-entomology-progress-in-eastern-europe-belarus-minsk-1-3-december-2022>

<http://aw.belal.by/russian/science/conf11.htm>

Activity name: Creation of the gbif.by website and supporting the IPT

Description: The website of the national GBIF node of Belarus has been developed, which includes all the basic information about the potential of Belarus in the field of biological diversity research. The work on information support of the site will continue as part of the work of the National Node in the post-project period. IPT is functioning

Start Date - End Date: 1/8/2020 - 31/3/2022

Verification Sources: gbif.by;

<http://80.94.160.207:8080/ipt/>

Report on Deliverables

Deliverables progress summary

In general, all the tasks have been completed, long-term work is planned to continue with the list of publications with the involvement of employees of the National and University Libraries in the post-project period. It is also planned to continue the information support of the website of the National GBIF node of Belarus as part of the work of the node.

Completed deliverables

Title: Website gbif.by

Type: Resources

Description: The website of the national GBIF node of Belarus has been developed, which includes all the basic information about the potential of Belarus in the field of biological diversity research. The work on information support of the site will continue as part of the work of the National Node in the post-project period.

Sources of verification: gbif.by

Title: A list of organizations conducting biodiversity research

Type: Documentation

Description: The list is compiled, available in the report and on the website of the National GBIF Node of Belarus. . At this stage, requests were sent to organizations, including questionnaire data, asking for information to be included in metadata-type datasets.

Sources of verification: Final Report, gbif.by

Title: A list of organizations that can become active GBIF data publishers

Type: Documentation

Description: The list is compiled, available in the report and on the website of the National GBIF Node of Belarus

Sources of verification: Final Report, gbif.by

Title: A list of specimen collections, including estimated number of specimens and records for GBIF

Type: Documentation

Description: A list of organizations engaged in the study of biological diversity in the region has been compiled, the same organizations are holders of collection funds, the estimated total is about 2.5 million herbarium sheets and about 5 million copies in zoological collections. At this stage, requests were sent to organizations, including questionnaire data, asking for information to be included in metadata-type datasets

Sources of verification: Final report

Title: A list of existing biodiversity databases and assessment of chances for their connecting with GBIF

Type: Resources

Description: A list of existing and publicly available databases, including from the civil science category is available on the website of the National GBIF node of Belarus

Sources of verification: gbif.by

Title: A list of bibliography of Eukaryota of the region

Type: Resources

Description: A list of bibliographic sources on eukaryotes of Belarus, Latvia and Lithuania has been compiled. The Belarusian part is posted on the website, sections on Latvia and Lithuania are being prepared for publication on the websites of organizations of project participants.

Sources of verification: gbif.by

Title: Supplementary materials for GBIF Portal in Russian

Type: Documentation

Description: GBIF information and additional information are available on the website of the National GBIF Node of Belarus

Sources of verification: gbif.by

Title: Education materials about GBIF in Russian

Type: Documentation

Description: The materials are available on the website of the National GBIF Node of Belarus under Resources

Sources of verification: gbif.by

Title: Workshop

Type: Training Workshop

Description: A seminar «The dataset preparation in the Global Biodiversity Information Facility (GBIF)» was held (March 29-31). The seminar was attended by 54 people from various organizations of Belarus, Latvia, Lithuania, Poland, Russia, Ukraine and Estonia. The seminar was held online using Zoom.

Sources of verification: Final report textbook <http://gbif.by/resursy/uchebnye-i-spravochnye-materialy>; <https://biobel.by/ob-organizatsii/vse-novosti/704-mezhdunarodnyj-seminar-podgotovka-naborov-dannykh-v-global-nuyu-bazu-dannykh-po-bioraznoobraziyu-gbif-the-dataset-preparation-in-the-global-biodiversity-information-facility-gbif-29-31-marta-2021-g-g-minsk-belarus>

Title: A conference about GBIF

Type: Regional Event

Description: From November 16 to 19, 2021, the 1st International Scientific Conference “Global Biodiversity Information Facility: the modern development trends in Belarus, Latvia and Lithuania” was held. The materials are available on the website of the National GBIF Node of Belarus under Resources

Sources of verification: Final Report Programm, Announcement (Ru, Eng), Materials, Title <http://gbif.by/meropriyatiya/konferentsii-po-bioraznoobraziyu-v-belarusi/anonsy/sbornik-materialov-i-mezhdunarodnoj-nauchno-prakticheskoy-konferentsii>; <https://biobel.by/ob-organizatsii/vse-novosti/712-iv-mezhdunarodnaya-nauchno-prakticheskaya-konferentsiya-itogi-i-perspektivy-razvitiya-entomologii-v-vostochnoj-evrope-belarus-g-minsk-1-3-dekabrya-2021-g-iv-international-research-to-practice-conference-results-and-prospects-of-entomology-progress-in-eastern-europe-belarus-minsk-1-3-december-2022> <http://aw.belal.by/russian/science/conf11.htm>

Title: Information materials, leaflets, handbooks

Type: Documentation

Description: The materials are available on the website of the National GBIF Node of Belarus under Resources

Sources of verification: <http://gbif.by/resursy/uchebnye-i-spravochnye-materialy>; textbook GBIF-CESP015.pdf

Events

A seminar «The dataset preparation in the Global Biodiversity Information Facility (GBIF)»

Dates: 29/3/2021 - 31/3/2021

Organizing institution: SPC NAS Belarus for bioresources

Country: Belarus

Number of participants: 50

Comments: A seminar «The dataset preparation in the Global Biodiversity Information Facility (GBIF)» was held (March 29-31). The seminar was attended by 54 people from various organizations of Belarus, Latvia, Lithuania, Poland, Russia, Ukraine and Estonia. The seminar was held online using Zoom.

Website or sources of verification: <https://biobel.by/ob-organizatsii/vse-novosti/704-mezhdunarodnyj-seminar-podgotovka-naborov-dannykh-v-global-nuyu-bazu-dannykh-po-bioraznoobraziyu-gbif-the-dataset-preparation-in-the-global-biodiversity-information-facility-gbif-29-31-marta-2021-g-g-minsk>

Events

1st International Scientific Conference “Global Biodiversity Information Facility:

the modern development trends in Belarus, Latvia and Lithuania”

Dates: 16/11/2021 - 19/11/2021

Organizing institution: SPC NAS Belarus for bioresources

Country: Belarus

Number of participants: 60

Comments: From November 16 to 19, 2021, the 1st International Scientific Conference “Global Biodiversity Information Facility: the modern development trends in Belarus, Latvia and Lithuania” was held. The materials are available on the website of the National GBIF Node of Belarus under Resources

Website or sources of verification: <https://biobel.by/ob-organizatsii/vse-novosti/712-iv-mezhdunarodnaya-nauchno-prakticheskaya-konferentsiya-itogi-i-perspektivy-razvitiya-entomologii-v-vostochnoj-evrope-belarus-g-minsk-1-3-dekabrya-2021-g-iv-international-research-to-practice-conference-re>

Communications and visibility

The main resource for the activities of GBIF in Belarus will be the website of the National GBIF node of Belarus, which will be maintained in the post-project period as part of the activity of the node.

Monitoring and evaluation

Monitoring, evaluation and lessons learned

Final Evaluation:

The project provided information to assess the potential of the region in terms of the existing biodiversity data set. Organizations have been identified that can potentially join GBIF activities as publishers. The website of the National GBIF node of Belarus has been created, which will act as the main source of information on the activities of the GBIF in Belarus with reference to the relevant sections on the gbif.org. The activities of GBIF in Latvia and Lithuania require further development.

Best Practices and Lessons Learned:

When promoting GBIF ideas into new regions, it is necessary to take into account the local specifics of the functioning of the scientific community and mentality.

Post Project Activity(ies):

Basic post-project activities: information support for the gbif.by site, IPT operation, work with collection holders and a bibliographic list with the prospect of publishing bibliographic catalogues.

Sustainability plans

As a result of the project, a platform was created for the exchange of information between project participants. The consolidated list of publications is the basis for assessing the level of study of individual taxa at the local and regional levels. Previously, such reports did not exist

Impact of COVID-19 pandemic on project implementation

no impact

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