

| Activity | Description | Start date | End date | New start date | New End date | description of progress | describe any delays and (1) the cause(s) of the delay, (2) the possible impact on the project, (3) the new dates planned for this activity | For completed activities, include links to verify completion. |
|--|---|------------|------------|----------------|--------------|--|--|---|
| 1/ List all biodiversity collections and camera trap databases to have an overview of all vertebrate specimens and occurrence records. | Contact each institution and seek complete list of vertebrate specimen of ENEF, IRET, IRAF, Smithsonian in Gamba. ENEF, IRET, IRAF, Smithsonian-Gabon, ANPN. | 01-avr-21 | 31-mai-21 | May-21 | Aug-21 | 4 fish databases are available to date. Three from IRAF (the mangrove database, the Booué-Ogooué database, the CNPG Iraft database) and one from ENEF (the Sud Estuaire concession database). | One collection, managed by IRET, still needs an inventory. Because the collection is located at a remote site (Ipassa Field Station) and restrictions for in-country travel due to COVID-19, this inventory has been delayed. The collection was visited in March 2022 and a report is currently being compiled. | |
| 2/ Formalize partnership agreements | Formalize the working partnership between the participating institutions to date no formalities have been made, there are collaboration agreements that exist and are not very recent? With the covid crisis it is almost difficult to meet face-to-face there is only the video option left which is not very suitable for signing conventions. | 01-avr-21 | 31-mai-21 | Jan-22 | Jun-22 | no formalities have been carried out, there are existing collaboration agreements that are not very recent. With the COVID-19 crisis, it is difficult to meet in person. The formal agreement will be signed before 31 June 2022. | the new dates are Jan-22 June-22. | un dossier conventions sera préparé |
| 3/ Transcribe paper records to Excel. | Ensure that all paper records are entered in Excel format. | 01-avr-21 | 30-Nov-21 | May-21 | Aug-21 | We have met our targets, by digitizing and mobilizing ~625 specimen records / month. The planned dates are from 01-Apr-21 to 01-Jan-2023. IRAF digitized 2983 fish specimens (from field notes to excel files). These have been mobilized to the Gabon Portal. All of the Gabon Biodiversity collections (Amphibians, Birds, Fish, Mammals, 1790 specimens) have been digitized and mobilized to the Gabon Portal. Every specimen has also been photographed. These photos are hosted on the Arizona State University servers, and we are currently linking them to specimens in the database. | | |
| 4/ Complete the development of a software tool (Mbaza AI) for camera trap data. | The prototype will be developed into a functional prod | 01-avr-21 | 31-août-21 | | | This activity is completed, the Mbaza software is working. We are currently processing the first batch of 45,000 photographs. | | |
| 7/ Prepare the e-learning material for digitisation with Mbaza AI and Symbiota software. | Organise the elements of the online training into a coherent programme and organise the translation into French, due to the late availability of the GBIF grant we have shifted the dates of preparation, however, we have maintained the preparatory meetings on the organisation of the digitisation workshop, the preparation of the room and the purchases started in August 2021. | 01-mai-21 | 30-juin-21 | | | A detailed, 50-page guide to Symbiota was translated into French in July 2021. We have been made freely available online | (https://github.com/Gjongsma/Symbiota-light/blob/master/docs/SymbiotaGuide_French_v1.1.pdf). We have also produced (and continue to produce) video tutorials with French subtitles about data management and digitization with Symbiota (https://www.youtube.com/channel/UC7gMVLrRnTA6ES3VTsci7rQ). | |
| 8/ Organise the 1st training workshop on digitisation and Symbiota and Mbaza AI | Plan travel, accommodation, reception logistics and the availability of participants. a delay due to the late availability of the grant was noted. we have brought forward the dates. the new dates01-May-21 30-June-21 Aug-21 Nov-21 this activity went well the workshop was held and the participants were mobilised some participants were unable to attend because of the corona virus, | 01-mai-21 | 30-juin-21 | Aug-21 | Nov-21 | The workshop was delayed due to the availability of funds and COVID-19. The new dates are Aug-2021 Nov-2021. | | |
| 9/First training workshop on digitization and mobilization. | 5 days training on digitisation and data management in Symbiota | 05-juil-21 | 09-juil-21 | 22-Nov-21 | 26-Nov-21 | This workshop was delayed due to COVID-19. Original date: 05-Jul-21 09-Jul-2; Actual Dates: 22-Nov-21 26-Nov-21 This activity was a success. There was participation was of 10 partner institutions and 17 technicians. A workshop report is available. | un rarrprt d'atelier est disponible | |
| 10/Specimen / camera trap occurrence data entry and upload to Symbiota and GBIF. | Les participants des institutions partenaires travaillent à la numérisation de leurs collections d'amphibiens, de reptiles, d'oiseaux et de mammifères, ainsi que de 5 000 spécimens de poissons et de données de pièges photographiques, et les téléchargent/importent dans Symbiota puis dans GBIF. Formation interne du personnel de IRET et de l'ANPN (x2) pour commencer à mobiliser les données des pièges photographiques existants en utilisant le logiciel Mbaza AI avec le soutien de Robin Whytock (IRET- Stirling Postdoc). | 12-juil-21 | 31-mars-22 | Nov-21 | Mar-22 | This has been delayed. The Mbaza software is working and now produces Darwin Core files as output. We continued to classify existing image databases, including 45,000 images with 40 mammal species collected between 2018 – 2021 by the National Parks Agency of Gabon from 200 cameras deployed in 7000 km2 of forest. These are nearly ready to export as Darwin Core and submit to GBIF and the Gabon Portal. External partner also completed species ID for a database with ~1 million images. We will work to add the first database of phototrap-based occurrences to the Gabon Portal and GBIF by March 2022. | | |
| 11/ Testing of Mbaza AI software within partner organizations. | Test the software in Gabon's 13 national parks and mobilise existing data into GBIF. | 01-sept-21 | 31-janv-22 | | | The software has been successfully tested on a dataset of 45,000 images. We detected ~35,000 animals. These occurrences will be smaller after we filter the data to minimize the same individuals being photographed on the same day. | | |
| 12/ Specimen data entry and upload to Symbiota and GBIF. | Participants work on digitising their collections and uploading/importing them into Symbiota and then into GBIF. | 01-Nov-21 | 31-mars-22 | | | This is work is moving forward as planned. We have mobilized >5000 specimen-based occurrence records to the Gabon Portal. Within the portal, we are georeferencing, updating identifications, and linking photographs to specimens. We have mobilized the Gabon Biodiversity Collection's Amphibian database to GBIF. The GBC is now the second-largest contributor of amphibian specimen records on GBIF. The GBC is a top 5 contributor of media files (including live and specimen photos) for all of Africa. | | |