



DGD-RBINS

Cooperation protocol



Belgium partner in development

Annual report 2021

Operational document for staff and partners



Annual report for the 2021 budget

Implementation: 1 January 2021- December 2021, with prolongation until May 2023 (see introduction)

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05-07-2023



Farmers at the edge of the Parc National des Volcans, Rwanda Photo@LJDB

ACRONYMS

| ABS | Access and Benefit Sharing |
|----------|---|
| ACARE | African Center for aquatic research and education |
| AI | Agenda Item |
| ACC | Accord-Cadre de Coopération |
| ACNG | Acteurs de coopération non gouvernementale |
| APN | African Parks |
| APNCB | Archives des Parcs Nationals Congo Belge |
| ARES | Académie de recherche et d'enseignement supérieur |
| AVEDEC | Association villageoise d'entraide et de développement communautaire |
| AVIGREF | Union des Associations Villageoises de Gestion des Réserves de Faun |
| ASREEBU | Association pour la Restauration et l'Enricissement de l'Environnemnet au Burundi |
| AW | Awareness |
| BELSPO | Belgian Federal Science Policy |
| BES | Biodiversity and Ecosystem Services |
| BRAIN | Belgian Research Action through Interdisciplinary Networks |
| СВ | Capacity building |
| CBD | Convention on Biological Diversity |
| CBD NFP | National Focal Point to the Convention on Biological Diversity |
| CBFP | Congo Basin Forest Partnership |
| CEIBA | ONG au Bénin |
| CENAGREF | Centre National de Gestion des Réserves de Faune (Benin) |
| CEPA | Communication, Education and Public Awareness |
| CERUKI | Le Centre de recherches universitaires du Kivu |
| СНМ | Clearing House Mechanism |
| CIFOR | Center for International Forestry Research |
| CITES | Convention on International Trade in Endangered Species of wild fauna and flora |
| CMS | Content Manager System |
| CNEDD | Conseil National de l'Environnement pour un Développement Durable, Niger |
| COHERENS | Coupled Hydrodynamic Ecological Model for Regional Shelf Seas |
| COLA | Commission of Lands |
| СОР | Conference of the Parties |
| СОРВН | Belgian Community of Practice on Biodiversity & Health |
| CRH | Centre de Recherche en Hydrobiologie, D.R. Congo |
| CSB | Centre de Surveillance de la Biodiversité, D.R. Congo |
| DDD | Direction de Développement Durable, D.R. Congo |
| DGD | Belgian Development Cooperation |
| DRC | D.R. Congo |
| ECOMOD | Group in OD Nature (RBINS) on modelling |
| EQA | Environment Quality Authority |
| ES | Ecosystem services |
| FAO | Food and Agriculture Organization of the United Nations |
| FORTRAN | Formula Translating System |
| FTE | Full time equivalent |
| GBIF | Global Biodiversity Information Facility |
| GEOBON | Group on Earth Observations Biodiversity Observation Network |

| GIS | Geographic Information System |
|------------|--|
| GTI | Global Taxonomy Initiative |
| IAC | Independent Advisory Committee |
| ІССВ | International Congress for Conservation Biology |
| ICCN | Institut Congolais pour la Conservation de la Nature, D.R. Congo |
| ІТ | Information Technology |
| IEBR | Institute of Ecology and Biological Resources, Vietnam |
| IFS | International Foundation for Science, Sweden |
| IOB | Instituut voor Ontwikkelingsbeleid |
| IPBES | Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services |
| IRD | Institut de Recherche pour le Développement, France |
| IRHOB | Institut de Recherches Halieutiques et Océanologiques du Bénin |
| IUCN | International Union for Conservation of Nature and Natural Resources |
| JSF | Joint Strategic Framework |
| KULeuven | Universiteit Leuven, Belgium |
| LEM | Method for habitat monitoring |
| KAOW | Koninklijke Academie Overzeese Wetenschappen |
| M&E | Monitoring & Evaluation |
| MAB UNESCO | Man and Biosphere programme |
| MEA | Multilateral Environment Agreement |
| MEDD | Ministère de l'Environnement de Développement Durable, R.D. Congo |
| MBG | Meise Botanic Garden, Belgium |
| MRV | Measuring, Reporting and Verification |
| NAFIRRI | National Fisheries Resource Research Institute |
| NEMA | National Environment Management Authority Uganda |
| NGO | Non-Governmental Organisation |
| NP | Nagoya Protocol |
| NBSAP | National Biodiversity Strategy and Action Plan |
| NM-AIST | Nelson Mandela African Institution of Science and Technology, Tanzania |
| OBPE | Office Burundais pour la Protection de l'Environnement (avant : INECN), Burundi |
| OECD | Organisation for Economic Co-operation and Development |
| PIC | Prior Informed Consent |
| PNKB | Parc National de Kahuzi-Biega, D.R. Congo |
| PN | Parc National |
| PNP | Pendjari National Park |
| PNVi | Parc National de Virunga |
| РТК | Portal Toolkit |
| RBINS | Royal Belgian Institute of Natural Sciences, Belgium |
| RCA | République centrafricaine |
| RMCA | Royal Museum for Central Africa (now AfricaMuseum) |
| SANBI | South African National Biodiversity Institute, South Africa |
| SBI | Subsidiary Body on Implementation |
| SBSTTA | Subsidiary Body on Scientific, Technical and Technological Advice |
| SDG | Sustainable Development Goals |
| SECORES | Network for resilient ecosystems (joint thematic framework) |
| SIG | Système d'information géographique |

| Burkinabe Permanent Secretariat of the National Council for the Environment and Sustainable Development |
|---|
| South-South Cooperation |
| Université d'Abomey- Calavi, Benin |
| Universiteit Antwerpen, Belgium |
| Université du Burundi, Burundi |
| Université catholique de Louvain, Belgium |
| Université Libre de Bruxelles, Belgium |
| Université de Liège - Gembloux Agro-Bio Tech, Belgium |
| UN Environment Program |
| United Nations Educational, Scientific and Cultural Organization |
| Université de Bukavu |
| Université de Goma, D.R. Congo |
| Université de Kisangani, D.R. Congo |
| Université de Lubumbashi, D.R. Congo |
| Université Officielle de Bukavu, D.R. Congo |
| VLIR Inter-university Cooperation |
| VLIR South Initiative |
| Flemish Interuniversity Council, Development Cooperation, Belgium |
| Vlaams Instituut voor de Zee |
| Vrije Universiteit Brussel, Belgium |
| Vlaamse Vereniging voor Ontwikkelingssamenwerking en technische Bijstand, Belgium |
| UNEP World Conservation Monitoring Centre |
| Western European and Others Group |
| W National Park Niger, Bénin |
| World Wide Fund for Nature |
| |

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IDENTITY SHEETS

General data

| ID | Name | Abbreviatio | Country | Address | Tel. | Fa | Email address | Website | Status | Activity | Project account |
|----------------|---|--|----------|---|----------------------|----|------------------------------|---------------------------------------|---------------------------|--|-----------------|
| Head office | | | | | | | | | | | |
| Secretariat | Royal Belgian Institute of Natural Sciences, CEBioS | RBINS | Belgium | Vautierstraa t 21, 1000, Brussels | +32(0)26 27 45 87 | - | | http://ww w.biodiv.b e/cebios2/ | | Research and outreach in natural sciences | |
| Manager | Luc Janssens de Bisthoven | | Belgium | | +32(0)26 27 45 87 | | ljanssens@naturalsciences.be | | | | |
| Contact person | Luc Janssens de Bisthoven | | | | | | | | | | |
| Local partner | Université Abomey-Calavi | UAC | Benin | | | | | | Public university | Academic | |
| | Office Burundais pour la Protection de l'Environnement | OBPE | Burundi | | | | | | Agency of the Ministry | Managment of protected areas | |
| | Centre de Surveillance de la Biodiversité | CSB | DR Congo | | | | | | Research Institute | Monitoring & research biodiversity | |
| | Université de Kinshasa, Université de Lubumbashi, | UNIKIS UNIKIN UNILU UNIGOM UOB | DR Congo | | | | | | Public universities | Academic | |

| | Institut Congolais pour la Conservation de la Nature | ICCN | DR Congo | | | | Management o the National Parks | |
|-----------------|--|-------|--|--|--|-----------|--|--|
| | Institut de Recherches Halieutiques et Océanologiques du Bénin | IRHOB | Bénin | | | Institute | Protection of coastal systems | |
| | Ministries of Environment of Benin, Burundi, DR Congo, Togo, Niger, Morocco, Palestinian Territories, Uganda, Tanzania and their agencies | | Various countries in Sahel, Maghreb and West and East Africa | | | | Collaboration national Clearing House Mechanism, NBSAP | |
| Secretariats | Various | | | | | | | |
| Managers | On demand | | | | | | | |
| Contact persons | Various, no office in the South | | | | | | | |
| Target group | Researchers, civil servants | | | | | | | |

Programme presentation

| DATA | |
|---------------------|---|
| Project number | |
| Original title | CEBioS-'Building capacities for Biodiversity and Sustainable development' |
| French title | CEBioS-'Renforcer les capacités pour la Biodiversité et le Développement durable' |
| Dutch title | |
| English title | CEBioS-'Building capacities for Biodiversity and Sustainable development' |
| Contact person | Dr. Luc Janssens de Bisthoven |
| Service | |
| Intervention number | |
| Basic contribution | |

| Budget heading | |
|--------------------------------|--|
| Executing body | Royal Belgian Institute of Natural Sciences |
| Project code of executing body | |
| Executing body: other | |
| Subcontractor | none |
| Local partners | Universities, research institutes, ministries and their agencies, development actors in developing countries |
| Implementation period (months) | 2019-2023 |
| Country of implementation | Priority in Benin, Burundi, and DR Congo. 25 other countries eligible for certain interventions, in Africa, and SE Asia |
| Region of implementation | Africa, SE Asia |
| Province/Department | Benin: coast and North/ Burundi: entire country/ DR Congo: entire country with focus on Kisangani, Goma, Bukavu and Lubumbashi |
| Local situation | fragile |
| Type of funding | |
| Bilateral/Multilateral/NSA | |
| Info (ODA, PBA, etc.) | |
| Group/Programme | |

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INTRODUCTION

This annual report for 2021 concerns the third year of the second phase (2019-2023) within the 10year strategy (2014-2023) of the CEBioS programme, financed by DGD and based at the Royal Belgian Institute of Natural Sciences.

The year 2021 follows the logframe containing 40 indicators, as approved by the 13th steering committee of 24.10.2019.

Due to delays in the political decision process, money transfer problems and the Covid pandemic, many 2021 activities related to travel abroad (internships, missions, workshops) were postponed. The expenditure period for the budget 2021 was prolonged until May 2023 upon agreement with the 17th steering committee of 09.11.2021. Therefore, this annual report 2021 was submitted in June 2023.

EXECUTIVE SUMMARY

Institutional cooperation

In **Burundi** our cooperation with the 'Office Burundais pour la Protection de l'Environnement' (OBPE) was pursued along several axes: research, Global Taxonomy Initiative (GTI), Measurement-Reporting-Verification (MRV), Clearing House Mechanism (CHM) and habitat monitoring.

More specifically, OBPE, supported by the Institutional cooperation with CEBioS, collected more than 150 samples and filled in more than 250 habitat monitoring fiches from protected areas. The herbarium was updated with dominant plant species of these areas, achieving more than 2000 plants classified in the herbarium. Further, more than 3000 samples of wild pollinators were collected as part of a Master thesis. Inventories, mapping and characterisation were done of *Cordia Africana*, the emblematic and endangered tree of Burundi (wood of national drums). Three awareness workshops were organized with 175 participants. The national CHM was maintained and updated with 10 inter-institutional web pages and more than 300 entries in the new Bioland CMS. The Scientific Bulletin was also dynamised in 2021 with a publication of a volume. Further, MRV projects were carried out on the status of *Pterocarpus angolensis* et *P. tinctorius*. And finally, a policy brief has been produced about the eastern savannahs of Ruvubu NP and natural monuments. Some funding was used to finance the participation of OBPE at COP15 in 2022.

In **Benin** we continued our collaboration with the 'Université d'Abomey-Calavi' (UAC), the University of Parakou and the 'Institut de Recherches Halieutiques et Océanologiques du Bénin' (IRHOB).

Dr. Hamed Odountan represented CEBioS in activities related to synergies and complementarities of the Joint Strategic Framework Benin and SECORES.

The UAC continued its work on fire management and habitat monitoring in the Pendjari National Park to minimize negative impacts on ecosystems. The implementation of the plan 2020 was continued in 2021 (without new contract) due to several local delays. Acquired knowledge and skills were applied in the PN "W", situated to the North of Pendjari NP. Habitat monitoring was trained at the UAC and in situ on two occasions, involving both scientists and ecogardes of African

Parks (responsible for management of PNP and WNP, and AVIGREF (village associations). Hence the work supported three PhD researchers (on termites, fire impact on vegetation and assessment of local knowledge on ecosystem services in connection with these factors). Three scientific articles were submitted.

The revision of the actual lexicon on Pendjari continued and was enriched with new data from WNP.

Concerning the cooperation with IRHOB on marine modelling with <u>COHERENS</u> (open access software developed at RBINS), monitoring work has been performed to better understand the dynamics of the Cotonou channel linking the ocean with Lake Nokoué in terms of depth, currents, salinity and shrimp dynamics. This work supports two PhDs who also spent two months in Belgium to optimize their modelling skills and to start the implementation of the COHERENS model on the Gulf of Guinea.

In the **DR Congo** our cooperation supported the Centre de Surveillance de la Biodiversité at the university of Kisangani and habitat monitoring at four protected areas managed by ICCN (Kahuzi Biega, PNVi, Bombo Lumene, Itombwe Natural Reserve).

Concerning the cooperation supporting the CSB, monitoring of biodiversity combined with socioecological surveys have been conducted as an 'institutional MRV project', at Dikwa, the sector of 'Baboa de Kole' at 173 km from Kisangani on the road to Buta. The survey focused on small mammals and on Coleopteri as bioindicators of changes in natural habitats, inventories and quantification of tall mammals, the knowledge and perception of local communities about zoonoses and the characterization of the habitats of the Dikwa forests. CSB continued the digitisation of grey literature present on the campus and its activities as secondary CHM for the country. Two consecutive training sessions on SIG and tele-detection were organised for CSB and campus staff in September and October.

Concerning habitat monitoring and ecosystem services, studies of students were supported for the universities of Goma, Kisangani, Lubumbashi and Bukavu. UNIGOM was involved in diachronic observations on the dynamics of vegetation in the southern sector of the PNVi ; a sampling of insects in vegetable crops was carried out, their functional groups were identified in order to propose a method of biological control against the pests of these crops in the vicinity of the PNVi. UOB carried out a mission in the forests of Itombwe to increase the collection of edible mushrooms from this reserve and thus facilitate the DNA based identification of those of them which are presumed new species and clarify their ecology. UNILU continued its work of modeling the degradation gradient of clear (miombo) and dry (mihulu), typical for the Copperbelt of Katanga Province. The use of drones helped to better identify health bio-indicators for these ecosystems. UNIKIS focused on understanding the diversity and culture of wild coffee. Finally, UNIKIS did research on carbon flux and stock in Yoko Forest reserve. Several scientific articles were submitted.

Capacity building through calls for projects

Global Taxonomy Initiative (GTI):

Due to COVID, there was no 2021 GTI call for internships in Belgium involved. Instead, two workshops were organized on DNA barcoding, for GTI alumni and related researchers in Morocco and Benin.

Concerning our Belgian researchers with a GTI grant doing capacity building in the South, we had 2 researchers active in Tanzania (Invertebrates: Capacity building for a reference national collection) and Benin (molecular identification and collection management of fishes) Two other projects in Benin and DRC were selected but postponed due to security issues and covid.

Monitoring-Reporting-Verification (MRV):

With 2021 funding, a jury for MRV projects written in English was organised early in 2021. Both series of projects, the one for FR-projects which started in 2019 and the one for the ENG-projects, were closely followed up in 2022. The FR-projects were closed towards the end of the year.

Two closing workshops (one FR and one EN) were organized in Bujumbura in October 2022, back-to-back with other CEBioS trainings (communication, CHM).

The 'institutional MRV project' of the CSB with the multidisciplinary monitoring of the Dikwa area, produced a baseline and the identification of indicators for future monitoring.

Clearing House Mechanism (CHM):

The Covid pandemic and travel restriction still influenced the training part of the programme. No national trainings were given except participation online in training sessions of Benin and Côte d'Ivoire. Helpdesk for the Bioland was quite active with at least 50 requests for assistance due to problems with the old PTK server. The participation of Hugues Akpona to the Etat de lieu in DR Congo was financed to give the participants information on the CHM and how it could be used.

A regional Bioland training Workshop for Anglophone countries was organized by IUCN-ROWA in Jordan in September 2021. Participants came from Jordan, Palestine State and Yemen. Syria, Libanon and Iraq were also invited but didn't get their visa on time.

During the regional training workshop in Burundi, October 2022, the Francophone and Anglophone partner countries were invited on 2021 budget to participate in the meeting.

The annual call 2021 to improve the national CHM received 9 projects proposals. The projects from Benin, Burkina Faso, Cote d'Ivoire, Niger and RD Congo were retained. Problems to transfer money to the partner countries delayed the implementation of some projects.

CEBioS supported the expansion of the digital library of the CSB and the posting of documents to the CHM. Côte d'Ivoire moved officially to the Bioland tool in 2022 after their CHM project was finished.

Awareness

The annual call 2021 for public awareness projects received 11 project proposals. Projects from Togo, Benin (3), Rwanda, Burundi and Palestine State were accepted to organize awareness raising activities. Jury was composed of 4 staff members of CEBioS.

Capacity building through manuals

Lexica

In DRC, preparation of the edition of the lexicon dedicated to the the Itombwe Nature Reserve continued: 100% of the illustrations required to present 18 types of habitats were checked, as well as the total of vernacular names (5 local languages) of dominant plants. In Burundi, the plan for the preparation of the lexicon of habitats in the Rusizi National Park was modified, because a large part of the pre-existing data turned out to be anachronistic. In fact, the vegetation has been strongly impacted by the rising of the level of Lake Tanganyika and its tributaries, including the Rusizi River. As result, many trees have perished. To take this change into account, new data was collected and should be completed in 2022.

AbcTaxa

In 2021, an AbcTaxa volume 21 was published on the bumblebees of the Hymalaya. A very positive review was done by Prof. Michael Engel, Division of Invertebrate Zoology, American Museum of Natural History, New York, U.S.A, in Entomologist's Monthly Magazine 159: 112.

Policy Briefs

Policy Brief N° 16 'Suivi de la Biodiversité en RD Congo' was published.

Policy support

CEBioS participated to the preparatory meetings of Belgium, the EU and the CBD for COP 15 of CBD (postponed several times and which finally took December 2022 in Montreal. Han de Koeijer was lead author for the EU for SBI3-Agenda Item 7 on capacity building and development, technical and scientific cooperation, knowledge management and the CHM, communication and Belgian lead for SBI-AI5 on Capacity building for the Cartagena Protocol, communication and gender; SBI-AI9 on reporting, monitoring and review; SBSTTA-24 AI3 on the monitoring framework and OEWG3 Targets 19-21 and Sections H to K of the post 2020 Global Biodiversity Framework. Representatives from Burundi and Marocco were supported by CEBioS to attend COP15 in Montreal on the 2021 budget. The CHM project jury meeting was organised by CEBioS and took place at RBINS in February 2023. Funding for the participation of the jury member for the call CHM 2022-2023 from the CBD secretariat was paid for under the 2021 budget.

Other CEBioS' activities and outputs or outcomes

- We registered 471000 e-visitors to our archives, CHM and web sites.
- More than 500 CHM web pages /items were created on CHMs through the direct support of CEBioS.
- Scanning of the archives of the Leopold III by job students resulted in more than 1200 scanned pictures.
- Several articles on insects of Biodiversity hotspots in Vietnam by Jerome Constant (RBINS), supported by GTI.

- Preparation and launch of 1st newsletter which was published in December 2021, see https://mailchi.mp/20875cefdeb7/cebios-newsletter-december-2021.
- Development of a DGD project to valorise and support the CSB and the Flux Tower of UGent

By its participation in several geographic strategic frameworks, CEBioS saw the advantage of teaming up with like-minded NGO's to form a thematic strategic framework on resilience of ecosystem services. The discussions about this network resulted in 2021 : **SECORES** was born. CEBioS remains one of the leading organisations of the network. See <u>https://secores.org/</u>

- Participation in the Strategic Dialogues and the Joint Strategic Frameworks for Congo, Benin, Burundi mainly, and several other countries.
- Contacts with several partners to identify new synergies (e.g. LOOC statistics with UGent; VVOB and ViaDonBosco mushroom culture in Bas-Congo; BOS+ and Join for Water for Kisangani area; WWF RDC elephant monitoring via DNA; WWF-Belgium for monitoring work in Walikali, North Kivu, RDC; ...
- Co-redaction of several projects for submission by partners (Sine Saloum with Eclosio; Foresterie Communautaire Bas-Uele with Antwerp Zoo Foundation;
- Editing 'guide des serpents' of Akuboy Jeannot, CSB
- Editing and advise for grant submissions by CEBioS partners and alumni
- Involvement in the CONNECT project of UNEP/WCMC

The CEBioS-concept goes international !

A coalition of Dutch opposition parties studied the structure and integration of CEBioS in the (Belgian) biodiversity and international cooperation landscape. CEBioS' unique identity had attracted them. They were interested in setting up a similar structure in The Netherlands

1- FINANCIAL REPORT 2021

June 2023: 100% of the 2021 budget has been spent.

- Empty cells are posts where no budget was assigned for the year 2021;
- The budget was generally spent in a balanced way amongst the four Specific Objectives (SO1-4);

Two representations are given of the annual expenditures for 2021:

- One excel file as annex 2 with the DGD-format for budget expenses
- The following table to provide a quick overview.

Expenditure table for 2020 per SO (1-4): investments, operations, missions and personnel (Red colour: expense <80% budget, green, expense >120% of budget)

| N°SO | Centre Frais | N° Poste | Category | Intitulé | ID | Budget 2021 | Engagé | Payé | % utilisation | Explanation deviation 15% |
|------|-----------------|-------------|------------|--|----|-------------|-------------|------------|------------------|---|
| SO 1 | 2477LJB2 | 19b | Invesments | 01-R1.2-19b-investments-CB- Marine Modelling in Benin : computers | 1 | | | | | |
| SO 1 | 2477LJB2 | 19b | Invesments | 02-R1.2-19b-investments-CB- OBPE institutional coopeation for research : computers | 2 | | | | | |
| SO 1 | 2477⊔B2 | 19b | Invesments | 03-R1.2-19b-investments-CB- CSB/UNIKIS : institutional coopeation for research : computers | 3 | | | | | |
| SO 1 | 2477LJB2 | 1 | Operations | 04-R1.1-1-operation-CB-GTI for grantees from South | 4 | 55.000,00€ | 60.778,57€ | 60.778,57€ | 110,51% | |
| SO 1 | 2477LJB2 | 2 | Operations | 05-R1.1-2-operation-CB-GTI for RBINS researchers doing capacity building in the South | 5 | 35.000,00€ | 55.025,49€ | 55.025,49€ | 157,22% | Small material bought, activities based on call 2020 which was not implemented in 2020 due to Covid. |
| SO 1 | 2477⊔B2 | 3 | Operations | 06-R1.1-3-operation-CB-RD Congo universities, ICCN : institutional cooperation for research | 6 | 25.000,00€ | 26.474,34 € | 26.474,34€ | 105,90% | |

| N°SO | Centre Frais | N° Poste | Category | Intitulé | ID | Budget 2021 | Engagé | Payé | % utilisation | Explanation deviation 15% |
|------|-----------------|-------------|------------|--|----|-------------|------------|------------|------------------|--|
| SO1 | | | | | | | | | | |
| SO 1 | 2477LJB2 | 4 | Operations | 07-R1.1-4-operation-CB- Marine modeling | 7 | € | € | € | | |
| SO 1 | 2477LJB2 | 4 | Operations | 08-R1.1-4-operation-CB- Marine modeling in Benin : data collection | 8 | 5.000,00€ | 7.000,00€ | 7.000,00€ | 140,00% | More expensive than expected |
| SO 1 | 2477LJB2 | 4 | Operations | 09-R1.1-4-operation-CB- Marine modeling in Benin : study grants S-N | 9 | 18.000,00€ | 23.886,91€ | 23.886,91€ | 132,71% | More expensive than expected |
| SO 1 | 2477⊔B2 | 6 | Operations | 10-R1.1-6-operation-CB-Pilot projects on monitoring and databases | 10 | 3.000,00€ | 4.150,63€ | 4.150,63€ | 138,35% | More expensive than expected (training at CSB) |
| SO 1 | 2477⊔B2 | 7 | Operations | 11-R1.1-7-operation-CB-OBPE institutional coopeation for research | 11 | 37.000,00€ | 36.359,77€ | 36.359,77€ | 98,27% | |
| SO 1 | 2477⊔B2 | 8 | Operations | 12-R1.1-8-operation-CB-UAC institutional coopeation for research | 12 | 9.000,00€ | € | € | 0,00% | UAC did not manage to finish 2020 in time and got one more year without additional budget. |
| SO 1 | 2477⊔B2 | 9 | Operations | 13-R1.1-9-operation-CB- CSB/UNIKIS institutional coopeation for research | 13 | 41.000,00€ | 47.655,61€ | 47.655,61€ | 116,23% | |
| SO 1 | 2477⊔B2 | 11 | Operations | 14-R1.3-11-operation-MRV- MRV projects | 14 | 6.000,00€ | 268,26€ | 268,26€ | 4,47% | Expenses put on 2020 or 2022 |

| N°SO | Centre Frais | N° Poste | Category | Intitulé | ID | Budget 2021 | Engagé | Payé | % utilisation | Explanation deviation 15% |
|------|-----------------|-------------|------------|---|----|----------------|------------|------------|------------------|--|
| SO 1 | 2477LJB2 | 4 | Operations | 15-R1.4-4-operation-AW- Marine modelling in Benin : dissemination | 15 | - € | - € | -€ | | |
| SO 1 | 2477LJB2 | 5 | Operations | 16-R1.1-5-operation-CB- production of AbcTaxa | 16 | 18.000,00€ | 12.451,32€ | 12.451,32€ | 69,17% | Printing and dispersion of volumes was less expensive than expected |
| SO 1 | 2477LJB2 | 6 | Operations | 17-R1.1-6-operation-CB-pilot projects on monitoring and databases | 17 | 4.000,00€ | - € | - € | 0,00% | |
| SO 1 | 2477LJB2 | 10 | Operations | 18-R1.2-10-operation-CHM- Digitalisation | 18 | 5.000,00€ | 21,80€ | 21,80€ | 0,44% | Zero budget operation by students. |
| SO 1 | 2477LJB2 | 4 | Operations | 19-R1.1-4-operation-CB- Marine modelling in Benin : meetings | 19 | 2.000,00€ | - € | - € | 0,00% | |
| SO 1 | 2477LJB2 | 12 | Operations | 20-R1.3-12-operation-MRV- MRV trauning and formation workshops | 20 | - € | - € | - € | | |
| SO 1 | 2477LJB2 | 12 | Operations | 21-R1.3-12-operation-MRV- MRV closing workshop (in combination with training workshop ao, awareness raising for CEBioS alumni | 21 | - € | 9.419,14€ | 9.419,14€ | 0,00% | |
| SO 1 | 2477LJB2 | 13 | Operations | 22-R1.4-13-operation-AW- Awareness methodology for CEBioS alumni | 22 | - € | 34.513,68€ | 34.513,68€ | 0,00% | |
| SO 1 | 2477LJB2 | 2 | Missions | 23-R1.1-2-missions-CB-GTI for RBINS researchers doing capacity building in the South | 23 | 20.000,00€ | 17.058,73€ | 17.058,73€ | 85,29% | |

| N°SO | Centre Frais | N° Poste | Category | Intitulé | ID | Budget 2021 | Engagé | Payé | % utilisation | Explanation deviation 15% |
|------|-----------------|-------------|----------|---|----|----------------|-------------|-------------|------------------|--|
| SO 1 | 2477LJB2 | 3 | Missions | 24-R1.1-3-missions-CB-RD Congo universities, ICCN : institutional cooperation for research | 24 | 3.000,00 € | 4.796,62€ | 4.796,62€ | 159,89% | 1 mission in RDC is more than 3000 due to expensive inland transport |
| SO 1 | 2477LJB2 | 4 | Missions | 25-R1.1-4-missions-CB-Marine modeling in Benin | 25 | 5.000,00€ | -€ | -€ | 0,00% | |
| SO 1 | 2477LJB2 | 6 | Missions | 26-R1.1-6-missions-CB-pilot projects on monitoring and databases | 26 | -€ | -€ | -€ | | |
| SO 1 | 2477LJB2 | 7 | Missions | 27-R1.1-7-missions-CB-OBPE institutional coopeation for research | 27 | 3.000,00€ | 280,03€ | 280,03€ | 9,33% | Mission put under coordination |
| SO 1 | 2477LJB2 | 8 | Missions | 28-R1.1-8-missions-CB-UAC institutional coopeation for research | 28 | 1.000,00€ | -€ | -€ | 0,00% | No such mission |
| SO 1 | 2477LJB2 | 9 | Missions | 29-R1.1-9-missions-CB- CSB/UNIKIS institutional coopeation for research | 29 | 7.000,00€ | 14.222,76€ | 14.222,76€ | 203,18% | Dépassement du aux missions Conférence KISANGANI. |
| SO 1 | 2477LJB2 | 13 | Missions | 30-R1.4-13-missions-AW- Awareness methodology for CEBioS alumni | 30 | € | 1.771,95€ | 1.771,95€ | 0,00% | |
| SO 1 | 2481LJB2 | | | 31-R1-personnel | 31 | 225.000,00€ | 218.659,11€ | 218.659,11€ | 97,18% | |
| | | | | SO1 TOTAL SO1 | | 527.000,00€ | 574.258,20€ | 574.258,20€ | 108,97% | |

| N°SO | Centre Frais | N° Pos | Category | Intitulé | ID | Budget 2021 | Engagé | Payé | % utilisation | Explanation deviation 15% |
|------|-----------------|--------|------------|---|----|----------------|------------|------------|------------------|----------------------------|
| SO2 | | | | | | | | | | |
| SO 2 | 2478⊔B2 | 19b | Invesments | 32-R2.2-19b-Investments- CB-training on habitat monitoring in Burundi : computers | 32 | -€ | -€ | - € | | |
| SO 2 | 2478LJB2 | 19b | Invesments | 33-R2.2-19b-Investments- CB-training on habitat monitoring in Benin : computers | 33 | -€ | - € | - € | | |
| SO 2 | 2478⊔B2 | 19b | Invesments | 34-R2.2-19b-Investments- CB-server for South and http://www.biodiv.be | 34 | -€ | -€ | -€ | | |
| SO 2 | 2478LJB2 | 14 | Operations | 35-R2.1-14-Operation-CB- training on habitat monitoring in Benin | 35 | 20.500,00€ | 20.287,14€ | 20.287,14€ | 98,96% | |
| SO 2 | 2478LJB2 | 15 | Operations | 36-R2.1-15-Operation-CB- training on habitat monitoring in Burundi | 36 | 19.900,00€ | 17.910,00€ | 17.910,00€ | 90,00% | |
| SO 2 | 2478⊔B2 | 16 | Operations | 37-R2.1-16-Operation-CB- training on habitat monitoring in RDC | 37 | -€ | € | -€ | | |
| SO 2 | 2478LJB2 | 21 | Operations | 38-R2.3-21-Operation- MRV-awareness projects for alumni based on the MRV projects | 38 | -€ | € | - € | | |
| SO 2 | 2478⊔B2 | 23 | Operations | 39-R2.4-23-Operation- AW-production and dissimenation of other material like brochures, policy briefs, posters, etc | 39 | 5.000,00€ | 475,75€ | 475,75€ | 9,52% | no such production in 2021 |

| SO 2 | 2478LJB2 | 17 | Operations | 40-R2.1-17-Operation-CB- production of lexica | 40 | - € | - € | -€ | | |
|------|-----------------|------------------------|------------|--|----|----------------|------------|------------|------------------|--|
| N°SO | Centre Frais | N° Poste Budgétaire | Category | Intitulé | ID | Budget 2021 | Engagé | Payé | % utilisation | Explanation deviation 15% |
| SO 2 | 2478LJB2 | 15 | Operations | 41-R2.1-15-Operation-CB- training on habitat monitoring in Burundi | 41 | 600,00€ | 540,00€ | 540,00€ | 90,00% | |
| SO 2 | 2478LJB2 | 15 | Operations | 42-R2.1-15-Operation-CB- training on habitat monitoring in Burundi | 42 | -€ | -€ | - € | | |
| SO 2 | 2478LJB2 | 14 | Operations | 43-R2.1-14-Operation-CB- training on habitat monitoring in Benin | 43 | - € | -€ | - € | | |
| SO 2 | 2478LJB2 | 18 | Operations | 44-R2.2-18-Operation- CHM-workshop on CHM | 44 | 20.000,00€ | 6.102,94€ | 6.102,94€ | 30,51% | Only 1 meeting in Niger |
| SO 2 | 2478LJB2 | 19 | Operations | 45-R2.2-19-Operation- CHM-training on Bioland | 45 | - € | 130,00€ | 130,00€ | 0,00% | |
| SO 2 | 2478LJB2 | 20 | Operations | 46-R2.2-20-Operation- CHM-networking CHM | 46 | 25.000,00€ | 78.901,56€ | 78.901,56€ | 315,61% | Summerschool Burundi of 2022 put on 2021 budget |
| SO 2 | 2478LJB2 | 24 | Operations | 47-R2.2-24-Operation- AW-punctual workshops, summer schools | 47 | 5.500,00€ | 9.889,62€ | 9.889,62€ | 179,81% | Summerschool Burundi of 2022 put on 2021 budget |
| SO 2 | 2478LJB2 | 14 | Missions | 48-R2.1-14-Mission-CB- training on habitat monitoring in Benin | 48 | 3.500,00€ | -€ | - € | 0,00% | |
| SO 2 | 2478LJB2 | 15 | Missions | 49-R2.1-15-Mission-CB- training on habitat monitoring in Burundi | 49 | 3.500,00€ | -€ | - € | 0,00% | |

| SO 2 | 2478⊔B2 | 16 | Missions | 50-R2.1-16-Mission-CB- training on habitat monitoring in RDC | 50 | -€ | -€ | -€ | | |
|------|-----------------|------------------------|----------|--|----|----------------|------------|------------|------------------|--|
| N°SO | Centre Frais | N° Poste Budgétaire | Category | Intitulé | ID | Budget 2021 | Engagé | Payé | % utilisation | Explanation deviation 15% |
| SO 2 | 2478LJB2 | 18 | Missions | 51-R2.2-18-Mission-CHM- workshop on CHM | 51 | 15.000,00€ | 8.758,23€ | 8.758,23€ | 58,39% | Only 1 mission, the rest paid by others (GEF etc) |
| SO 2 | 2478LJB2 | 20 | Missions | 52-R2.2-20-Mission-CHM- networking CHM | 52 | 5.000,00€ | 4.446,41€ | 4.446,41€ | 88,93% | |
| SO 2 | 2478⊔B2 | 19b | Missions | 53-R2.2-19b-Mission- CHM-Computers and server for South and http://www.biodiv.be | 53 | -€ | -€ | - € | | |
| SO 2 | 2478⊔B2 | 22 | Missions | 54-R2.3-22-Mission-MRV- Coaching by CEBioS staff in dedicated MRV- workshops and other MRV-related activities | 54 | - € | 7.680,17€ | 7.680,17€ | 0,00% | Summer school Burundi of 2022 put on 2021 budget |
| SO 2 | 2478⊔B2 | 22 | Missions | 55-R2.3-22-Mission-MRV- awareness projects for alumni in the case of MRV based on the MRV projects | 55 | - € | -€ | - € | | |
| SO 2 | 2478⊔B2 | 24 | Missions | 56-R2.2-24-Mission-AW- punctual workshops, summer schools | 56 | -€ | -€ | -€ | | |
| SO 2 | 2478⊔B2 | 23 | Missions | 57-R2.2-23-Mission-AW- production and dissemination of other material like brochures, policy briefs, posters etc | 57 | -€ | -€ | -€ | | |
| SO 2 | 2481LJB2 | | | 58-R2-Personnel | 58 | 146.100,00€ | 95.763,01€ | 95.763,01€ | 65,55% | No explanation found |

| | SO2 TOTAL | | | | | |
|--|-----------|--------------|--------------|-----------------|--------|--|
| | SO2 | 269.600,00 € | 250.884,83 € | 250.884,83 € | 93,06% | |

| N°SO | Centre Frais | N° Poste Budgétaire | Category | Intitulé | ID | Budget 2021 | Engagé | Payé | % utilisation | Explanation deviation 15% |
|------|-----------------|------------------------|------------|---|----|----------------|-------------|------------|------------------|--|
| SO3 | | | | | | | | | | |
| SO 3 | 2479LJB2 | 26 | Operations | 59-R3.1-26- operations-CB- support of South to attend international policy | 59 | - € | - € | -€ | | |
| SO 3 | 2479LJB2 | 27 | Operations | 60-R3.2.27- operations-CHM- CHM call | 60 | 50.000,00 € | 33.132,81 € | 33.132,81€ | 66,27% | Suite à la non réception des rapports de certains projets, les soldes ont été reportés vers 2022. |
| SO 3 | 2479LJB2 | 29 | Operations | 61-R3.4-29- operations-AW- Awareness calls, including training on awareness, including baseline studies | 61 | 54.500,00 € | 52.727,84 € | 52.727,84€ | 96,75% | |
| SO 3 | 2479LJB2 | 30 | Operations | 62-R3.4-30- operations-AW- activities related to COPs in 2020,2022 | 62 | -€ | - € | - € | | |
| SO 3 | 2479LJB2 | 31 | Operations | 63-R3.4-31- operations-AW- activities in framework of awareness calls or ad hoc, in Belgium or abroad | 63 | 3.000,00 € | 2.050,00 € | 2.050,00 € | 68,33% | Less expensive than expected |

| N°SO | Centre Frais | N° Poste Budgétaire | Category | Intitulé | ID | Budget 2021 | Engagé | Payé | % utilisation | Explanation deviation 15% |
|------|-----------------|------------------------|------------|---|----|-------------|-----------------|--------------|------------------|---|
| SO 3 | 2479LJB2 | 25 | Missions | 64-R3.1-25- missions-CB- missions CEBios for policy | 64 | 6.000,00 € | 11.883,36€ | 11.883,36€ | 198,06% | More focal points supported for preparation and COP-15 of 2022. |
| SO 3 | 2479LJB2 | 28 | Missions | 65-R3.2-28- missions-CHM- participation in juries etc on demand (5 x 1p) | 65 | 3.000,00€ | 3,08€ | 3,08€ | 0,10% | Due to Covid, no CHM award jury, IAC meetings and policy meetings put on 64-R3.1-25, which passed the allocated budget. |
| SO 3 | 2481LJB2 | | | 66-R3-Personnel | 66 | 73.400,00 € | 95.763,01€ | 95.763,01€ | 130,47% | Salaries put automatically over all SO's based on ventilation on contents. Age plays a role. |
| | | | | SO3 TOTAL | | 189.900,00€ | 195.560,10 € | 195.560,10 € | 102,98% | |
| SO4 | | | | | | | | | | |
| SO 4 | 2480LIB2 | 33 | Operations | 67-R4.1-33- operation-CB- Synergy fund to promote specific synergy projects with civil society and private sector in agriculture and conservation | 67 | 29.500,00 € | 2.127,09€ | 2.127,09€ | 7,21% | Il y avait un projet synergie au Burundi mais on l'a mis sur SO3 appel Awareness. |
| SO 4 | 2480LJB2 | 35 | Operations | 68-R4.4-35- operation-AW- Special call to mesasure change in perception of biodiversity of targe groups of activities financed by CEBios | | - € | - € | -€ | | |

| N°SO | Centre Frais | N° Poste Budgétaire | Category | Intitulé | ID | Budget 2021 | Engagé | Payé | % utilisation | Explanation deviation 15% |
|------|-----------------|------------------------|------------|---|----|-------------|-----------|-----------|------------------|--|
| SO 4 | 2480LJB2 | 34 | Operations | 69-R4.4-34- operation-AW- increases awareness in North (CEBios) and South for the partners of the Belgian development cooperation, civil society, often back to back with attending SD- activities | 69 | 6.277,00€ | 374,00 € | 374,00€ | 5,96% | This was done back to back with other missions. |
| SO 4 | 2480LJB2 | 32 | Missions | 70-R4.1-32-missions- CB-budget to attend SD in South | 70 | 5.000,00€ | -€ | -€ | 0,00% | We were not able to attend strategic dialogues of CSC or went back to back with our missions. |
| SO 4 | 2480LJB2 | 33 | Missions | 71-R4.1-33-missions- CB-Synergy fund to promote specific synergy projects with civil society and private sector in agriculture and conservation | 71 | 8.000,00 € | 2.778,23€ | 2.778,23€ | 34,73% | Back to back with other missions in Burundi |

| N°SO | Centr e | Category | Intitulé | ID | Budget 2021 | Engagé | Payé | % utilisati on | Explanation deviation 15% |
|------|--------------|----------|---------------------|----|-----------------|-------------|-------------|----------------------|---------------------------------------|
| SO 4 | 2480 LJB2 | | 72-R4- personnel | 72 | 67.600,00€ | 69.775,62€ | 69.775,62€ | 103,22 % | |
| | | | SO4 TOTAL | | 116.377,00 € | 75.054,94 € | 75.054,94 € | 64,49% | See remarks in individual posts above |

| MANAG EMENT | | | | | | | | | |
|----------------|------------------|----|----------------|--|----|-----------------|-----------------|-------------|---------|
| EIVIEINI | | | | | | | | | |
| Managco sts | 248 1LJB 2 | 36 | Operation s | 73-MC 36- operationEnd of term evaluation, also in the South | 73 | -€ | -€ | -€ | 0,00% |
| Managco sts | 248 1LJB 2 | 37 | Missions | 74-MC 37- missionfollow- up missions | 74 | 4.000,00€ | 3.270,26€ | 3.270,26€ | 81,76% |
| Managco sts | 248 1LJB 2 | | | 75-MC- personnel | 75 | 119.291,00 € | 127.139,50 € | 127.139,50€ | 106,58% |
| | | | | Manageme nt TOTAL | | 123.291,00 € | 130.409,76 € | 130.409,76€ | 105,77% |

| STRUCTURAL COSTS | | | | | | | | |
|---------------------|-------|----|--|----|-------------------|-------------------|-------------------|---------|
| Structural Costs | 1GODN | 37 | 76-SC 37-structural costs Identification, Formulation, Monitoring and evaluation | 76 | 85.832,00€ | 85.832,00€ | 85.832,00€ | 100,00% |
| | | | STRUCTURAL TOTAL | | 85.832,00 € | 85.832,00 € | 85.832,00 € | 100,00% |
| | | | Grand Total | | 1.312.000,00 € | 1.311.999,82 € | 1.311.999,82 € | 100,00% |

END of financial table

2-REPORT 2021 PER INDICATOR

The following 8-9 pages display a table with the following structure, based on the 40 indicators of the logical framework:

| Intervention logic | Indicator Nr. | Indicators | SoV (Source of Verification) | Baseline Value | Target | Value | Remarks on the implementation by CEBioS |
|----------------------------|------------------|------------|---------------------------------|----------------|--------|-------|---|
| General Objective | 1 2 | | | | | | |
| Specific Objective 1 (SO1) | 3 | | | | | | |
| SO2 | 6 7 | | | | | | |
| SO3 | 10 | | | | | | |
| | 16 | | | | | | |
| SO4 | 17 19 | | | | | | |
| Result 1 | 20 28 | | | | | | |
| Activities | 20 | | | | | | |
| Result 2 | 29 | | | | | | |
| Activities | 34 | | | | | | |
| Result 3 | 35 37 | | | | | | |
| Activities | | | | | | | |
| Result 4 | 38 40 | | | | | | |
| Activities | | | | | | | |

Indicators reached or surpassed are <mark>green</mark>. Indicators not reached are <mark>red</mark>.

| INTERVENTION LOGIC | Ind Nr. | INDICATORS | SoV | Baseline value | target | CEBioS | |
|--|------------|---|---|-------------------|--------|--------|---|
| | | - | | | 2021 | Value | Remarks |
| General objective : The protection of ecosystems and their biodiversity in partner countries of the Belgian Development Cooperation, is implemented in order to strengthen their capacity to generate benefits essential for sustainable development of rural populations | 1 | Positive trends of benefits that humans derive from ecosystem services in a sustainable way in the partner countries are better known, understood, disseminated and are increasing | National reports, statistics about decrease of logging, poaching, encroachment, pollution, overgrazing, conservation conflicts, illicit traffics, increase of respect for indigenous communities, valorization of traditional knowledge, respect for the law, adapted legislation, more co-management options around protected areas, agreements between the state and local communities for sustainable exploitation of resources, responsibilisation of all parties, implementation of Nagoya Protocol, increased cooperation and more mutual benefits between science, agriculture and conservation, increased revenues from bee-keeping, mushrooms and other activities or products from ecosystem services and value chains | | | | The indicators below contribute to the achievement of indicator 1. A report on indicator 1 will be done in the final report of phase II. |
| | 2 | Partner countries show positive trends in the implementation of their biodiversity and development policies (e.g. NBSAP) with tangible results and good indicators | Indicators in NBSAP and national reports for CBD and other development plans show a positive evolution for biodiversity and sustainable development | | | | The indicators below contribute to the achievement of indicator 2. A report on indicator 2 will be done in the final report of phase II. |

| Specific objective 1 (SO1): The scientists of the partner countries of the Belgian development cooperation acquire knowledge, understand, apply and disseminate | 3 | Publications and databases produced by beneficiaries in e.g. scientific papers, Ms and PhD theses etc, policy or popular media with direct or indirect reference to biodiversity, ecosystem services benefits or value chains derived from biodiversity | Tracer study (year 2021 and 2023) | estimated min. 8/year | 20 | | To be done in 2021 and 2023 |
|--|---|--|--|--------------------------|--------|--------|--|
| results useful for sustainable management, use and conservation of biodiversity and ecosystem services | 4 | Share of alumni that remains research-active after the support of the programme (at least one participation in an international congress, publication, external fund acquired, PhD defended or academic promotion) | Tracer study (year 2021 and 2023) Unit of measurement: share research active/ total number in alumni database | estimated >60% | 70% | | To be done in 2021 and 2023 |
| | 5 | Number of indicators developed by the MRV projects to be used to feed into NBSAP or other strategies and plans | Project reports | 0 | 10 | 43+ | Projets et minimum d'indicateurs: OBPE : 4; FAST: 7 CRH : 5; CSB: 10 SCRID-AGRI: 6 CEIBA: 2 UOB: 3 ASPADA : 6 Indicators developed by institutional MRVs (OBPE and CSB) are not included |
| | 6 | Number of e-visitors to newly digitised grey literature (scanned pages) available on CHM, GBIF and the archives of the national parks of former Belgian Congo (www.apncb.be) | Websites data & google analytics | 220000 | 250000 | 471000 | partner countries 372.000 others from data estimates due to problems with Google analytics due to move Bioland sites. |
| Specificobjective2 (SO2):Implementingauthoritiesintheir | 7 | Number of Management plans of regional and local authorities, agencies, their local civil society partners taking into | Management plans | NA | 1 | | No data |

| | | and the second s | | | | | |
|--|----|--|--|---|----|---------------------|---|
| partners improve sustainable management and use of ecosystem | | account results of CEBioS activities | | | | | |
| services to conserve biodiversity and support the | 8 | Number of tools developed by CEBioS- MRV alumni used for awareness raising, and influencing policies | Project reports of awareness projects | No baseline available | 0 | 6 | CSB : 6 ppt's in Dikwa et surveys for at least 75 influcencers No MRV awareness projects in 2021. |
| livelihood of rural populations through the development of | 9 | Number of persons reached through CHM networking events | Networking event attendance list | No baseline available | 6 | 20 | One Network event in Burundi on 2021 funding |
| best practices and value chains | 10 | Number of staff of implementing authorities reached through awareness raising projects (number of persons) | Project reports | No baseline available | 15 | <mark>>30</mark> | CSB : secteur de Baboa de Kole: number not defined, though estimated at 15 |
| Specific objective 3 (SO3): The authorities, decision decision makers and policymakers | 11 | Number of CEBioS alumni participating in international bodies under the CBD (COP, SBSTTA, SBI, IACs and more) and related MEAs | List of participants in conferences and international bodies (presence of CEBioS alumni) | 3/year | 3 | 3 | |
| develop and implement pertinent policies, strategies and action plans for a | 12 | Number of scientists requesting Nagoya PIC and MAT to the competent authorities as a result of CEBioS training | | No baseline available | | | |
| sustainable management of the | | ci di ling | North scientists | 2/year | 15 | | |
| national biodiversity in service of the | | | South scientists | not measured | 12 | | The ABS-CH doesn't give any information on this as it can only be searched on the country of origin. The GTI projects could normally have this information. |
| livelihoods of the local populations in the South | 13 | Number of CEBioS mandates in international advisory bodies and technical committees | Meeting minutes of CBD, IPBES and IUCN advisory bodies and technical committees | not measured | 2 | 2 | CHM-IAC, CB-NP-IAC |
| | 14 | Number of contributors to CHM of partner countries | | 20/year depending on policy agenda | | | This is hard to know exactly as one has to take into account that contributors were trained in 2021-2022 and 2023 on CEBioS CHM projects. |
| | | | Benin | 8 | 8 | | - |

| | | | Burundi | 12 | 12 | <mark>12</mark> | See annual report OBPE |
|--|----|--|--|--------------------|------|------------------|---|
| | | | RDCongo | 5/year | 7 | 5 | CSB: Olivier Basa, Judith Tsongo; Jean Ngabu Sud-Kivu: Cephas Masumbuko and others (via CSB) Adelard Mutombo Kazadi : PFN CHM |
| | | | Other countries | 20 | 30 | +30 | This is hard to know exactly as one has to take into account that contributors were trained in 2021-2022 and 2023 on CEBioS CHM projects. |
| | 15 | Number of staff members of authorities, decision makers and policymakers reached through awareness raising activities (number of persons) | Project reports | average 10/year | 11 | | |
| | | | Benin | n/m. | 3 | <mark>+70</mark> | Projet Eco-Benin 60, Nature tropical 2 ateliers |
| | | | Burundi | n/m. | 5 | <mark>+20</mark> | See annual report OBPE plus synergy report ASREEBU-AVEDEC |
| | | | RDCongo | n/m. | 3 | 5 | CSB : secteur de Baboa de Kole: number not defined, though estimated at 5 : |
| | 16 | Number of official documents of authorities, decision makers and policy makers effectively using MRV results for reporting | Tracer study at the end of the programme (after MRV awareness projects- 2023) | 1 in five years | none | | |
| Specific objective <u>4 (SO4)</u> : Enhanced synergy between the partners of the Belgian Development cooperation, civil society and the private sector to achieve sustainable development by | 17 | Number of effective synergies and complementarities (collaborations, joint activities) on North- South, South-South, triangular regional and international cooperation to enhance access to science, technology and innovation and enhance knowledge sharing | | not measured | 5 | | |
| mainstreaming biodiversity issues | | | Benin | | 1 | 1 | 2 Scientists from Benin collaborating with 1 from DRC to provide training in DRC (database/SIG) |

| | | | Burundi | | 1 | 4 | S-S training of Madagascar by Burundi on CHM Bioland tool/ 1 Project with Join for Water/ASREEBU/AVEDEC/OBPE; One project with Froidbise; One with UdB |
|--|----|--|---|-----------------|-----|-----------|--|
| | | | RDCongo | | 1 | 1 | Pilot programmes Mushroom culture in agri-technical secondary schools (collabo with VVOB) |
| | | | Other countries | | 2 | | |
| | 18 | Number of people (ultimate beneficiaries) reached through the supported awareness projects | Project reports | 50- 100/year | 150 | +10000 | CSB institutional MRV in Baboa de Kole (Dikwa) : 136 In the reports of the different awareness raising projects there are several times journal articles, television and radio emissions as well as physical meetings. It is impossible to get the exact number |
| | 19 | Number of cases with a verified positive change in awareness | Perception surveys | not measured | 0 | | |
| Result 1 -The capacities of scientists, (implementing) authorities, decision makers and policymakers are strengthened | 20 | Number of persons of which the capacities have been strengthened (per CB type) (for all results) | Participant registration Number of men | 80-90% | 48 | 168 | Training teledetection/GIS at the CSB: 11 Training DNA barcoding Morocco:20 Training DNA barcoding Benin:21 GTI workshop TZ:11 MRV closing workshop (Bujumbura):25 CHM workshop (Bujumbura):13 Awareness workshop (Bujumbura):52 Regional training Jordan: 15 |
| to enable them to contribute to the sustainable use and conservation of biodiversity (CB 1.1 ; 2.1 ; 3.1 ;AW1.4) | | | Number of women | 10-20% | 12 | <u>45</u> | Training teledetection/GIS at the CSB : 3 Training DNA barcoding Morocco:7 Training DNA barcoding Benin:3 GTI workshop TZ:11 MRV closing workshop (Bujumbura):4 CHM workshop (Bujumbura):3 Awareness workshop (Bujumbura):14 |
| | | | Total number | 40/year | 60 | 213 | |
| | | Institutional | Benin | | 8 | 24 | |
| | | cooperation | Burundi | | 15 | 111 | 55 persons during Nagoya Protocol workshop; 10 during CHM meetings; 29 during Bulletin meeting; 39 during awareness meeting Bulletin; |
| | | | Congo | | 20 | 50 | CSB : 4 socio-ecological monitoring CSB : 11 tele detection and GIS CSB : 12 CHM and e-bib CSB : 23 field work |

| | 21 | Number of trainings (per CB type) (for all results) | Training report | | 10 | 3 | CHM training CHM and e-bib Tele detection and Gis at CSB : 2 events DNA barcoding: 2 |
|------------|----|--|--|----------------------|-------------------|---|--|
| | 22 | Level of satisfaction with the quality of capacity building (per CB type) (for all results) | Evaluation form | not measured | 7 | | |
| | 23 | Level of self-reported motivation and ability to apply new knowledge and skills (per CB type) (for all results) | Evaluation form | not measured | 7 | | |
| | 24 | Number of AbcTaxa publications produced with support of the programme | AbcTaxa pubications | 4 for 4 years | 1 | | abctaxa volume 2001 |
| | 25 | Number of presentations or posters presented by South researchers (participation supported by CEBioS) at scientific congresses related to biodiversity and development | Congress programmes/reports | 1-5/year | 3 | | UNIBU Semaine de l'université, 31/08/21 : presentatation Jacques Nkengurutse, Tite Vyizigiro- Analyse cohabitation conflictuelle PNRuvubu (MRV budget 19)/ "Gambalemoke @ African Small Mammals conference ,Mekele (budget 2019) Claude Mande @ ICCB, Kigali, dec 2021 (budget 2020) |
| | 26 | Number of datasets on biodiversity established by National Parks and other important biodiversity hotspots as a results of capacity development CEBioS | Datasets produced by researchers supported by CEBioS | 1-2 | 2 <mark>+1</mark> | | Several data sets about the Dikwa forests as well as one on the socio-ecological situation Diversité compositionnelle et fonctionnelle des arbres se régénérant dans les trouées d'une forêt dense tropicale humide (Yoko), RDC |
| | 27 | Number of agenda items led by CEBioS staff for Belgium in OECD, IPBES, SBSTTA, COP, expert meetings of CBD, EU and other organisations | Agenda of meetings | 5-10 over 5 years | 2 | | |
| | 28 | Number of partner country staff supported by CEBioS activities, attending international policy conferences | List of participants | 2-3/year | 0 | | |
| Activities | | | | | | | |

| | | |
|---|------|---|
| · Coaching of students in terrestrial/freshwater | | |
| biology and ecosystem services directly by CEBIOS | | |
| staff to apply for grants, write abstracts for | | |
| conferences, write papers | | |
| Coaching of students directly by CEBIOS staff | | |
| for marine modelling (SDG 14.2 & A) to apply for | | |
| grants, write abstracts for conferences, write papers | | |
| • GTI call and coaching of students by RBINS and | | no GTI external call in 2021-training workshops in the south instead |
| external scientists through "N-S" calls | | |
| · Coaching of students through GTI call and | | 2 GTI RBINS implemented |
| earmarked budgets through "S-N" calls | | |
| · Organising, co-organize by CEBioS (direct or | | Joint symposium with Dian Fossey Foundation at ICCB conference |
| indirect) or participate to larger events (symposia, | | Kigali (budget 2020) |
| summer schools, uptake meetings) | | |
| · Coordination of editors and Publication | | |
| Support Unit (RBINS-RMCA) for production of | | |
| abcTaxa | | |
| Attending juries by CEBioS staff | | |
| | | |
| · Attending congresses by CEBioS staff with | | |
| poster or oral presentation to consolidate scientific | | |
| credibility and present results and publishing | | |
| scientific papers co-authored by CEBioS staff, | | |
| assessing/analysing ecosystem services approach | | |
| and capacity building (put budget) | | |
| · Supporting South scientists to attend | | |
| international scientific congresses | | |
| · Supporting South partners to organise | | CSB: first preparations for the 2 nd international conference on |
| (inter)national scientific congresses | | Biodiversity in the Congo Basin |
| · Disseminate abcTaxa to South partners or | | |
| North partners (sales) by the secretariat of CEBioS | | |
| · Organize closing MRV workshops explaining | | Done in Bujumbura |
| policy brief, eventually back to back with other | | |
| events | | |
| · Organise awareness methodology and | | Done in Bujumbura |
| communication workshops for CEBioS-alumni | | |
| Implement South trainings in habitat | | |
| monitoring | | |
| · Identify, formulate and implement research | | Mushrooms culture in Kongo Central with VVOB |
| projects related to value chains of ecosystem | | |
| services | | |
| Collect data on transects in protected areas | | - |
| | | |

| | | | | | | | In DRC, 15 persons collected diachronic data on 5 plots in the southern sector of the PNVi and 7 parcels in the DCRBL. In Burundi, 32 ecoguards and their 2 LEM supervisers completed 260 data sheets on habitat dynamics on 40 permanent plots in Kibira, Rusizi and Ruvubu National Parks |
|--|----------|--|--|--------|-------|-----------|--|
| Co-produce lexit | a with | local partners | | | | | Done, see Ruvubu (Burundi) |
| Attend internation IBPES | onal po | licy meetings for OECD, | | | | | online |
| Attend SBSTTA a | and COI | P of CBD | | | | | online |
| • Support and p SBSSTA, COP etc | romote | South attendance to | | | | | done |
| Organise NP trai | nings iı | n North | | | | | done |
| Result 2 (CHM-IT): CHM and other IT tools in service of national research, monitoring and management are functional and used by scientists, authorities, their partners, and target publics ((CHM 1.2, 2.2, 3.2) | 29 | Number of scanned pages/items (digitised scientific literature, photos and more) available on CHM, GBIF and the archives of the national parks of former Belgian Congo (www.apncb.be) through the direct support of CEBioS | CHM websites | 40-50 | 50 | <u>40</u> | CSB scanned 2110 pages of 'monographies' and 1776 pages of 'mémoires' CSB uploaded 299 books and articles to its e-bib CSB posted 40 documents to the CHM |
| | 30 | Number of CHM technical and IAC meetings participation attended by CEBioS staff | CHM technical and IAC meeting minutes | 2/year | 2 | | Due to COVID no physical meetings organised |
| | 31 | Number of people enabled to train | Participant registration Number of men | 8 | 8 | | Due to COVID only the meeting in Niger took place |
| | | contributors to the | Number of women | 2 | Rien? | | Due to COVID only the meeting in Niger took place |
| | | CHM in partner countries | Total number | 10 | 8 | | Due to COVID only the meeting in Niger took place |
| | 32 | Number of national trainings organised by CHM trainees | Project reports and questionnaire each second year of the programme | 2-4 | 4 | | RD Congo : training by CSB for faculty of Sciences and for IFA Yangambi |

| | 33 | Number of persons reached in national trainings organised by trainees | Project reports and questionnaire each second year of the programme | 40-60 | 50 | |
|---|----------|--|--|------------------|--------|--|
| - | 34 | Number of visitors to CHM web sites | CHM stats | 250.000 | 290000 | |
| Activities | | • | | | | See narrative in report for all activities |
| Organising nat workshops for scientis | | content management | | | | |
| Encouraging scie call | ntific p | posts on the CHM/ CHM | | | | |
| and in the countries | | ns of archives at RBINS | | | | |
| events for national CH | M | tworking and training | | | | |
| IT tools in the framew | ork of | | | | | |
| mainstreaming tools | | pment or application of | | | | |
| | | and IAC meetings | | | | |
| contests, prices | | d activities such as | | | | |
| Organise CHM tr | aining | s in partner countries | | | | |
| Stimulate partn related activities | ers to | participate in in CHM | | | | |
| Result 3 - Scientists and implementing authorities are able to valorize and communicate about their research related to monitoring and managing ecosystems and | 35 | Number of tools (Policy Briefs, lexica, etc) published that facilitate the application of scientific knowledge to ensure the monitoring of habitats and of ecosystem health | | 3/year | 4 | |
| services, among authorities and | | | Lexica | 1/1.5 year | 1 | Ruvubu (Burundi) |
| decision makers | | | Policy Briefs | 12 in 4 years | 2 | Policy Brief N°16 'Biodiversity monitoring in the DRC' |

| AW2.4) index that become inproduction of lexica and policy briefs with production of lexica and policy briefs with the support of CEBios Project reports 0 None in 2021 37 Number of projects raising completed Project reports 0 See narrative in report for all activities Activities 1 1 1 See narrative in report for all activities • Create filters, posters, voteo's, by and with alumin or partners 1 1 See narrative in report for all activities • Organise local meetings with specific target 1 1 1 1 • Organise local meetings with specific target 1 1 1 1 • Organise MRV calls for and training workshops Fr and Engl 1 1 1 1 1 • Organise MRV calls wareness methodology workshops for and finally wareness methodology workshops with advectory workshops with advectory workshops for and finally wareness raising complexity with advectory workshops for and finally workshop | (MRV 1.3 – 2.3, | 36 | Number of CEBioS | Project reports | estimated | 30 | P | PB16 (suivi de la biodiversité -RDC) : plus que 50 |
|---|---|----------|--------------------------|-----------------|-------------|----|---|--|
| Image: state of the sector involved in the sector product | | 50 | | rioject reports | | 50 | | bio (saivi de la biodiversite - (de) : plus que so |
| Image: stand bulk production of lexical and policy briefs in the support of CEBios Project reports 0 None in 2021 37 Number of projects on MKV avareness proleted Project reports 0 None in 2021 Activities Image: stand bulk project stand bulk | AW21) | | | | | | | |
| Image: mark strategy s | | | | | product | | | |
| Image: section of the support of CEBiosProject reportsProject repor | | | - | | | | | |
| 37 Number of projects on MRV awareness raising completed Project reports 0 None in 2021 Activities Image: Source of the source of | | | | | | | | |
| Activities on MRV avaraness raising completed Activities See narrative in report for all activities Activities Create fiyers, posters, video's, by and with alumni or partners Image: Completed in the com | | 27 | | Project reports | | 0 | N | long in 2021 |
| clip raising completed Image: Completed of the complexity o | | 37 | | Floject lepolts | | U | | NOILE III 2021 |
| Activities see narrative in report for all activities - Create flyers, posters, video's, by and with alumni or partners see narrative in report for all activities - Organise local meetings with specific target groups see narrative in report for all activities - Assure the targeted dissemination of the tools produced see narrative in report for all activities - Publish activity reports to CHM see narrative in report for all activities - Organise MRV formulation and training workshops Fr and Engl see narrative in report for all activities - Organise MRV calls Fr and Engl see narrative in report for all activities - Organise MRV calls Fr and Engl see narrative in report for all activities - Organise MRV calls Fr and Engl see narrative in report for all activities - Organise MRV calls Fr and Engl see narrative in report for all activities - Organise MRV calls Fr and Engl see narrative in report for all activities - Organise MRV calls Fr and Engl see narrative in report for all activities - Organise MRV awareness calls Fr and Engl see narrative in report for all activities - Organise MRV awareness calls Fr and Engl see narrative in report for all activities - Organise MRV awareness babut groups organises by mathematical awareness rating meetings with different target groups, organises by workshops from targing gr | | | | | | | | |
| Create flyers, posters, video's, by and with alumni or partners Image: Create flyers, posters, video's, by and with alumni or partners Image: Create flyers, posters, video's, by and with alumni or partners Organise local meetings with specific target groups Image: Create flyers, posters, video's, by and with specific target groups Image: Create flyers, posters, video's, by and with awareness raising groups, organise MRV claims Image: Create policy bit with and by CEBioS- alumni Organise MRV awareness raising groups, organise MRV awareness raising meetings with different target groups (create policy brut with awareness raising groups, organise MRV awareness raising groups, organise MRV awareness raising meetings with different target groups, organise dRV awareness raising meetings with different target groups (create policy brut with awareness raising meetings with different target groups, organise dRV awareness raising meetings with different target groups, organise dRV awareness raising meetings with different target groups, organise dRV awareness raising meetings with different target groups, organise dRV awareness raising meetings with different target groups, organise dRV awareneeting awareness raising meetings with differen | Activition | | Taising completed | | | | 6 | as nevertive in report for all activities |
| alumni or partners / Carbon meetings with specific target groups / Carbon meetings with monitoring, sustainable use and / Carbon meetings with meetings with meetings with meetings with monitoring, sustainable use and / Carbon meetings with meeti | Activities | | | | | | 5 | ee narrative in report for an activities |
| Organise local meetings with specific target groups Image: Specific target groups Image: Specific target groups Assure the targeted dissemination of the tools produced Image: Specific target groups Image: Specific target groups Publish activity reports to CHM Image: Specific target groups Image: Specific target groups Organise MRV formulation and training workshops Fr and Engl Image: Specific target groups Image: Specific target groups Organise MRV calls Fr and Engl Image: Specific target groups Image: Specific target groups Image: Specific target groups Organise MRV closing workshops Fr and Engl Image: Specific target groups Image: Specific target groups Image: Specific target groups Organise MRV closing workshops Fr and Engl Image: Specific target groups Image: Specific target groups Image: Specific target groups Organise MRV awareness calls Fr and Engl Image: Specific target groups Image: Specific target groups Image: Specific target groups Implement and follow up on awareness projects Image: Specific target groups Image: Specific target groups Image: Specific target groups Image: Specific target groups, organised by Image: Specific target groups, organised by Image: Specific target groups, organise day Image: Specific target groups, organise day | · Create flyers, | posters | s, video's, by and with | | | | | |
| groups Assure the targeted dissemination of the tools produced Image: Constraint of the tools produced Image: Constraint of the tools produced Image: Constraint of the tools produced · Publish activity reports to CHM Image: Constraint of the tools produced Image: Constraint of tools produced Image: Constraint of tools produced · Organise MRV formulation and training workshops Fr and Engl Image: Constraint of tools produced Image: Constraint of tools produced Image: Constraint of tools produced · Organise MRV calls Fr and Engl Image: Constraint of tools produced · Organise MRV closing workshops Fr and Engl Image: Constraint of tools produced Image: Constraint of tools produced Image: Constraint of tools produced · Organise MRV awareness methodology workshops Image: Constraint of tools produced Image: Constraint of tools produced Image: Constraint of tools produced · Organise MRV awareness calls Fr and Engl Image: Constraint of tools produced · Organise MRV awareness calls Fr and Engl Image: Constraint of tools produced Image: Constraint of tools produced Image: Constraint of tools produced · Implement and follow up on awareness projects Image: Constraint of tools produced Image: Constraint of t | alumni or partners | | | | | | | |
| Assure the targeted dissemination of the tools produced Assure the targeted dissemination of the tools produced Publish activity reports to CHM Organise MRV formulation and training workshops Fr and Engl Organise MRV calls Fr and Engl Implement and follow up on MRV projects Organise MRV closing workshops Fr and Engl Organise MRV avareness calls Fr and Engl Organise MRV avareness calls Fr and Engl Implement and follow up on awareness projects Create policy briefs with and by CEBioS- alumni Meeting reports Casa-S/year CSB: 3 meetings in the Baboa de Kole sector | · Organise local | meetir | ngs with specific target | | | | | |
| produced Image: Second Secon | groups | | | | | | | |
| • Publish activity reports to CHM Image: CHM | Assure the target | eted dis | ssemination of the tools | | | | | |
| Organise MRV formulation and training workshops Fr and Engl Image: Constraint of the sector of t | produced | | | | | | | |
| workshops Fr and Engl Image: Constraint of Line Constraint of | Publish activity | reports | to CHM | | | | | |
| Organise MRV calls Fr and Engl Implement and follow up on MRV projects Organise MRV closing workshops Fr and Engl, back to back with awareness methodology workshops Organise MRV awareness calls Fr and Engl Organise MRV awareness calls Fr and Engl Organise MRV awareness calls Fr and Engl Implement and follow up on awareness projects Create policy briefs with and by CEBioS- alumni Result 4 - The awareness raising governance, monitoring, sustainable use and Mumber of awareness vith different target groups, organised by | Organise MR[*] | V forr | nulation and training | | | | | |
| Implement and follow up on MRV projects Organise MRV closing workshops Fr and Engl, back to back with awareness methodology workshops Organise MRV awareness calls Fr and Engl Organise MRV awareness calls Fr and Engl Implement and follow up on awareness projects Create policy briefs with and by CEBioS- alumni Result 4 - The awareness raising meetings with different target groups, organised by Meeting reports Ca 3-5/year subtract and by awareness with different target groups, organised by | workshops Fr and Eng | gl | | | | | | |
| Organise MRV closing workshops Fr and Engl, back to back with wareness methodology workshops Image: Constraint of the sector o | Organise MRV c | alls Fr | and Engl | | | | | |
| back to back with awareness methodology workshops Image: Second | Implement and | follow | up on MRV projects | | | | | |
| back to back with awareness methodology workshops Image: Second | · Organise MRV | closing | workshops Fr and Engl, | | | | | |
| Organise MRV awareness calls Fr and Engl Implement and follow up on awareness projects Create policy briefs with and by CEBioS- alumni Result 4 - The awareness about governance, meetings with different target sustainable use and groups, organised by Meeting reports Ca 3-5/year Ca 3-5/year Ca 3-5/year CSB: 3 meetings in the Baboa de Kole sector | | | | | | | | |
| Implement and follow up on awareness projects Implement and follow up on awareness awareness about awareness raising meetings with different target groups, organised by Implement and follow up on awareness awareness about groups, organised by Implement and follow up on awareness awareness about awareness raising meetings with different target groups, organised by Implement and follow up on awareness awareness about awareness about groups, organised by Implement and follow up on awareness awareness about awareness about groups, organised by Implement and follow up on awareness awareness about awareness about groups, organised by Implement and follow up on awareness awareness about awareness about groups, organised by Implement and follow up on awareness awareness about awareness about groups, organised by Implement and follow up on awareness awareness about awareness about groups, organised by Implement about awareness about awareness about awareness about groups, organised by Implement about awareness about awareness about awareness awareness awareness about awareness about groups, organised by Implement about awareness about awareness about awareness about awareness about awareness about awareness about | workshops | | | | | | | |
| projects I Image: Create policy brisk with and by CEBioS- alumni governance, meetings with different target sustainable use and Number of groups, organised by Meeting reports Ca 3-5/year 5 CSB: 3 meetings in the Baboa de Kole sector | • Organise MRV a | waren | ess calls Fr and Engl | | | | | |
| projects I Image: Create policy brisk with and by CEBioS- alumni governance, meetings with different target sustainable use and Number of groups, organised by Meeting reports Ca 3-5/year 5 CSB: 3 meetings in the Baboa de Kole sector | · Implement a | nd fol | low up on awareness | | | | | |
| Result 4 - The awareness about governance, monitoring, sustainable use and 38 Number of awareness raising meetings with different target groups, organised by Meeting reports ca 3-5/year 5 CSB: 3 meetings in the Baboa de Kole sector | | | | | | | | |
| awareness about awareness raising brown governance, meetings with different target sustainable use and groups, organised by | • Create policy briefs with and by CEBioS- alumni | | | | | | | |
| awareness about awareness raising brown governance, meetings with different target sustainable use and groups, organised by | Result 4 - The | 38 | Number of | Meeting reports | ca 3-5/vear | 5 | 0 | CSB: 3 meetings in the Baboa de Kole sector |
| governance, meetings with monitoring, different target sustainable use and groups, organised by | | | | 0 1 1 1 | , , | | | 5 |
| monitoring, different target sustainable use and groups, organised by | | | • | | | | | |
| sustainable use and groups, organised by | | | | | | | | |
| 5 · · · · · · · · · · · · · · · · · · · | • | | U | | | | | |
| | management of | | CEBioS partners | | | | | |

| biodiversity is raised (AW3.3, 4.2; 2.4) | 39 | Number of vulgarizing documents effectively published (videos ; posters ; flyers ; or articles in popular media) by partners, with support of CEBioS | Publications | 5 | 7 | te es de ht | CSB : élément sonore qui résume les activités de errain et les résultats obtenus pour le grand public. Cet élément st en diffusion sur les 8 antennes de la Radio Flambeau de l'Orient le l'Université de Kisangani et sur internet à l'adresse ttps://audioblog.arteradio.com/blog/147770/podcast/178995/les- orets-de-dikwardc |
|---|---|--|---|----------|---|----------------------|---|
| | 40 | Number of projects on awareness raising carried out (except MRV,see ind. 37) | Project reports and participants lists | 2-5/year | 4 | | |
| Activities | | · · · · · · · · · · · · · · · · · · · | | | | Se | ee narrative in report for all activities |
| Attend/organise meetings | e natior | nal or regional deciders | | | | | |
| , 0 | | vents and CEPA sessions nal and international | | | | | |
| Promote biodiv private sector in the S | | and development with | | | | | |
| | Promote biodiversity and related tools in strategic dialogue and learning trajects | | | | | | |
| Organise training on awareness | | | | | | | |
| · Calls to raise awareness of target groups | | | | | | | |
| | Calls and surveys to measure change in perception of target groups. | | | | | | |
| Organise GTI aw | arenes | s calls Fr and Engl | | | | | |

3-INSTITUTIONAL COOPERATION

BURUNDI

The institutional cooperation report from OBPE (Burundi) is available on demand as it is too extensive with 82 sub-reports.

Monitoring of habitats:

34 people that collected 150 specimen and filled in 260 LEM files that have been introduced into the herbarium and the database.

CHM and MRV are used to orientate decision making

1000 pages and documents have been transferred to the new Bioland site, 10 pages from other ministries have been added.

Additional activities

A regional workshop for Benin, Burundi and DR Congo on the monitoring of habitats was organised in May 2022 as due to the COVID pandemic it couldn't take place in 2020. 2 synergy projects with local and Belgian NGOs took place:

OBPE – PROCOBU: awareness raising of the population and local authorities around the Rusizi national Park.

OBPE-Join for Water – AVEDEC – ASREEBU: restoration of water catchments with biodiversity rich vegetation in Isare.

BENIN

UAC, activities are being done on 2020 contract. No new contract in 2021 due to Covid related delays of field work.

Synthèse des activités spécifiquement effectuées par chacun des trois doctorants

Doctorante ADATIN Adèle Noëlie

Au cours de la période d'activité définie, cette doctorante a poursuivi l'amélioration du protocole et collecter des données sur les objectifs 2 et 3 et a débuté la rédaction d'un manuscrit. L'amélioration du protocole a entraîné une modification de l'intitulé de la thèse. Le sujet porte actuellement sur « **Etude de l'Hétérogénéité spatiale des termites dans les milieux régulièrement brûlés et du savoir local des facteurs influençant leur diversité dans les Réserves de Biosphère de la Pendjari et transfrontalière du W au Nord Bénin»**. De façon spécifique, il s'agit de :

- évaluer la distribution spatiale des termitières à travers l'espèce constructrice et leur densité;
- Identifier les caractéristiques des termitières selon les groupes socioculturels riverains des réserves;
- Analyser les perceptions locales sur les facteurs influençant la diversité des termitières ;
- Déterminer l'effet du feu sur les activités des termites

Doctorant ZOFFOUN Ghislain

Cette étude vise à contribuer à une meilleure conservation de la faune en Afrique de l'Ouest par l'amélioration des connaissances scientifiques sur l'interaction faune-habitat dans les paysages brûlés.

Objectifs spécifiques

- A. Identifier les variations spatio-temporels des feux dans la Réserve de Biosphère de la Pendjari
- B. Evaluer les tendances de l'intensité des feux de forêt dans la Réserve de biosphère de la Pendjari
- C. Déterminer les effets des feux sur la sélection de l'habitat par les espèces d'ongulés dans la Réserve de biosphère de la Pendjari ;
- D. Modéliser la distribution spatiale des espèces d'ongulés en réponse aux feux dans la Réserve de biosphère de la Pendjari.

| Objectife | Impact du fou our la | Distribution | Modélisation de la |
|-------------|-------------------------|-------------------------------------|----------------------------|
| Objectifs | Impact du feu sur la | | |
| spécifiques | sélection de l'habitat | spatio- | distribution des |
| | par les herbivores | temporelle du feu | herbivores dans un |
| | dans la RBP | dans la RBP : 2001 | paysage dominé par le |
| | | à 2021 | feu : cas de la RBP |
| Activités | | Téléchargement | • Collecte des données |
| menées | dispositif | des images | d'occurrence des |
| | d'échantillonnage | MODIS MCD64A1 | espèces sur le terrain et |
| | • Collecte des données | sur les 20 | auprès de la Direction |
| | de crotte des espèces | dernières | de la conservation de la |
| | dans les zone brûlées | années ; | RBP |
| | et non brûlées et les | Analyse et | • Téléchargement des |
| | variables de | traitement des | images Satellitaires |
| | l'habitat ; | données dans les | pour décrire les |
| | • Analyse et traitement | logiciels ENVI, | variables explicatives ; |
| | des données. | ArcGIS et R | • Analyse et traitement |
| | | Rédaction du | des données. |
| | | chapitre et d'un | |
| | | article. | |
| Résultats | • Le type de feu | L'évolution des | • La distribution spatiale |
| attendus | préférentielle pour | surfaces brûlées | des herbivores dans la |
| | chaque espèce est | sur les 20 | RPB est connue ; |
| | connu ; | dernières années | , |
| | • Le type de feu | est connue ; | chaque espèce dans |
| | préférentielle pour | Les zones | toute la RBP est |
| | chaque guild | fortement | |
| | | | connue ; |
| | | impactées par le | |
| | connu ; | feu sont connues ; | expliquant la |
| | Les variables de | | distribution des |
| | l'habitat pouvant | feu dans la RBP | herbivores dans la RBP |
| | expliquer la sélection | est connue. | sont connues. |
| | de l'habitat | | |
| | préférentielle des | | |
| | espèces est connu. | | |

Le tableau présente le cadre logique des activités menées par le doctorant

Deuxième atelier de formation des agents de terrain sur le monitoring des habitats dans la Réserve de Biosphère Transfrontière du W

Cet atelier s'est déroulé à Kandi, du 05 au 10 décembre 2022 dans la salle de réunion de l'ancienne Direction de la Réserve de Biosphère Transfrontière du W. Il a été animé par une équipe de quatre (04) chercheurs de l'UAC et s'est déroulé en trois jours d'activités en salle et trois jours d'activités du terrain.

De façon globale, les activités prévues pour l'année 2022 ont été toutes exécutée sauf la sécurisation des placeaux à cause de la situation sécuritaire actuelle dans le parc Penjari. Au cours de l'exécution desdites activités toutes les données nécessaires pour le lexique 2 ont été capitalisées. Il s'agit de la description en langue locale des habitats, de la flore et de la faune et de certains usages potentiels des ressources de flore et faune.

A travers l'élaboration et la publication du lexique 2 nous pensons pouvoir rendre notre science plus accessible aux acteurs de la gestion. A cet effet l'implication de tous les acteurs est indispensable.

IRHOB: 2 PhD students visited RBINS on 14-18 November 2021.

RD CONGO

Since 2019, the CSB team has decided to integrate MRV, GTI, CHM and awareness-raising activities into a project to monitor ecosystems in areas outside national parks. These studies revolve around the five questions:

- 1- What is the state of biodiversity and its monitoring in the study area?
- 2- What are the causes and consequences of disturbances to the ecosystems studied?
- 3- What are the revenues generated by the natural resources of the study area?
- 4- Who are the stakeholders involved in the exploitation of the different areas of biodiversity?
- 5- What is the level of knowledge of the stakeholders with regard to the unsustainable use of biodiversity?

Thus, during the year 2021, the CSB-CEBioS team (= the official name of this unit within the CSB) conducted studies in the Dikwa forest in the Kole territory . Au cours de l'année 2021, la situation de la COVID-19 est restée relativement moins alarmante dans la région de Kisangani. Ainsi, les chercheurs du CSB ont décidé de continuer les activités de terrain du programme CSB-CEBioS tout en considérant la mise en place des mesures préventives pour protéger les chercheurs dans l'exercice de leurs travaux. Parmi ces mesures, il était décidé de : s'informer continuellement sur l'évolution de la maladie dans la ville et ses environs, réduire au strict minimum le nombre des chercheurs se rendant sur

le

terrain, porter le masque bucco-nasal pendant le transport et les réunions, loger une personne par tente et le reste dans des habitations louées sur le site, utiliser un kit de sonorisation pour les séances de sensibilisation pour garder une distance raisonnable entre les chercheurs et les membres des communautés locales. Dans l'ensemble, il était planifié que les activités CSB –CEBioS 2021 s'étaleraient de juillet 2021 à 30 avril 2022

- 1- **Prospection** mission (July 2021)
- 2- Preliminary socio-economic surveys (September 2021): the time allocated to these surveys was short and did not allow for the quantification of the use of the most exploited biological resources. Nevertheless, they allowed the identification of biological resources at risk due to random exploitation by local communities and provided guidance for the various studies to be conducted during the biological surveys.
- 3- The researchers were subjected to a series of **training sessions** in order to equip them to carry out their tasks: training GIS and Tele detection (September and October 2021)
- 4- **Biological surveys** (November 2021): the areas of data collection have been determined according to the results of the socio-economic surveys. This is the time to quantify the most exploited resources as revealed by the socio-economic surveys.
- 5- Awareness raising (January 2022): This is the time to report to the communities on the activities and results obtained. At the same time, the CSB is engaged in listening to communities to identify their perception of biodiversity conservation issues, obstacles and possible solutions.

Conclusions and recommendations formulated by the CSB in relation to this 'institutional MRV' exercise:

Pendant trois années de suite, le programme CSB-CEBioS a procédé par l'approche générale consistant à étudier une zone et revenir sensibiliser la communauté à l'utilisation durable des ressources quelques semaines plus tard. Toutefois, compte tenu de l'accroissement des activités au CSB dans les années à venir, il a été opté de combiner la sensibilisation avec la sortie de terrain pour les enquêtes biologiques. Cette combinaison permet de concentrer les ressources financières et logistiques et de dégager le temps pour d'autres activités de recherche

In its function as the secondary Clearing House for DR Congo, the CSB has

- conducted digitisation activities of relevant grey literature produced by researchers from the CSB the Faculty of Science and the Faculty of Renewable Natural Resources Management. As such, the digitisation is an extension of the activities in the previous budget years.
- 2. continued dissemination of biodiversity information by posting documents on the CHM-DRC website and

- 3. sensitising colleagues of the faculty of science and of IFA Yangambi on the use of the e-bib, hosted at the CSB
- 4. training colleagues of the faculty of science and of IFA Yangambi on the use of CHMrealised the reinforcement of ICT and equipment at the CSB.

4- CAPACITY BUILDING THROUGH PROJECT CALLS

CEBioS performs capacity building in many ways, especially (1) by implementing several types of competitive calls linked to individuals and institutional cooperation and (2) with the co-production of technical manuals and policy briefs through dedicated workshops.

Calls for Global Taxonomy Initiative (GTI)

Funding for:

 individual short-term trainings in Belgium for researchers/students from Belgian partner countries, with an emphasis on CEBioS partner institutions (UAC, OBPE,...) and main partner countries (Benin, DR Congo and Burundi). These trainings enable access to the rich collections based in Belgian institutions (RBINS, RMCA, MBG) and to Belgian expertise.

Due to covid restrictions, no 2021 call was launched.

• *in situ* group trainings facilitated by Belgian researchers/technicians in the South.

Four project were selected under the 2021 call (see table 1). Two of the selected projects have been postponed for security or logistical reasons. Due to the cancellation of the GTI call for individual short-term trainings and the postponement (due to covid) of a training on DNA bar-coding originally scheduled in Morocco in cooperation with UHasselt and IRD (France) at the University of Rabat, the GTI project of M. Van Steenberge was expanded to include such a DNA barcoding training for other GTI alumni in Parakou in April 2022, on budget 2020 and 2021. The workshop in Morocco was finally organized in September 2022 in Rabat. North trainers for these two workshop came from RBINS, UHasselt, IRD and ILVO.

| Country | Mentor | Title |
|--|-----------------------------------|--|
| Tanzania | Jean-Luc BOEVE (RBINS) | Tanzanian Invertebrates: Capacity building for a reference national collection |
| DRC (moved to Burundi and postponed to 2022 for security reasons) | Piet Stoffelen (Meise) | Capacity building towards the conservation of endangered plant species in Eastern Congo, a pilot project on the genus <i>Coffea</i> . |
| Benin (budget 2020 and 2021) | Maarten VAN STEENBERGE (RBINS) | Capacity building on molecular identification and collections management of fishes in Benin: Towards an establishment of a barcodes reference library of the Beninese ichthyofauna and the constitution of a first fish collection at the University of Parakou |
| Benin (postponed to 2022 for logistical reasons) | Thierry Backeljau (RBINS) | In depth Training on Taxonomy, Systematic, and Biodiversity of Molluscs fauna of Southern Benin (2TSBM-Benin) |

| Table 1: GTI North – South | projects selected under the 2021 ca | all |
|----------------------------|--------------------------------------|-----|
| | projecto selected dilder the LoL1 of | |

Calls for Monitoring-Reporting-Verification (MRV) projects

The MRV FR-projects were closed in 2021. The Engl-projects were launched and followed up.

Based on discussions by more than 100 scientists, NGOs and decision-makers from DRC in participatory workshops in Kisangani (2017) and in Bukavu (2020), a policy brief 'Suivi de la biodiversité en RD Congo : comment le rendre efficace et pertinent pour la gestion et décision', was edited in 2020 for publication in 2021.

However, with funds remaining in other parts of the programme, and upon specific request of the participants at the Bukavu workshop in 2020 (budget 2019) and several other partners, it was decided to provide training in data-base management and GIS for CEBioS partners (MRV, GTI, habitat monitoring) from the DRC, Benin, Rwanda and Burundi. Because of the Covid pandemic, this South-South training was reported several times and finally took place in March 2022 in Kisangani, DRC (budget 2020). The CSB organised the workshop. Trainers were Beninese and Congolese experts.

Two closing workshops, one in EN and one in FR, were organized in Bujumbura, back-to-back with other CEBioS trainings (awareness and CHM). After participants presented their projects, we used

tools of the Project Cycle management (eg stakeholder analysis, problem tree, etc.) to analyse their past projects and plan future awareness projects. After that, participants had the opportunity to submit awareness projects to be implemented in 2023.

Calls for Clearing House Mechanism and awareness

| Pays | Personne(s) en charge du projet | Institution/ structure | Titre du projet | Durée |
|--------------------|---|---------------------------|---|----------|
| Niger | Maman Sani Issaka | SP/CONEDD | Atelier de vulgarisation, de présentation et d'information des contributeurs sur le processus de migration du site CHM vers le bioland en vue d'acquérir les nouvelles données et pour le suivi du site CHM | 8 months |
| RD Congo | Adelard Mutombo | DDD | Informer et sensibiliser les décideurs politiques et d'autres acteurs de la biodiversité de la Province de Nord-Kivu sur le CHM et le site CHM) ; | 8 months |
| Burundi/Madagascar | Longin Ndayikeza and Voahangy Raharimalala | OBPE/ONE | Utilisation effective de l'outil bioland par le Burundi et Madagascar dans le transfert des informations en matière de Biodiversité | 8 months |
| Rwanda | Ammanuel Bugingo | Nature Rwanda | Development of a Communication plan and Strategy for Rwanda Clearing House Mechanism (CHM) | 5 months |
| Guinea | Saidou Doumbouya | ORDD | Installation d'un (1) Dispositif National de Suivi Environnemental dans la Zone Humide | 8 months |

Table 2: Projects selected under the 2021 CHM call

Table 3: Projects selected under the 2021 awareness call

| Pays | Personne(s) en charge du projet | Institution/ structure | Titre du projet | Durée |
|----------|---------------------------------------|------------------------|---|----------|
| Benin | Amoussou Koffi Gauthier | ECO-Bénin | Youth for Biodiversity Conservation | 5 months |
| Benin | Dossou Bodjerenous Sagbo | Nature Tropicale | Sauvegarde communautaire des espèces menacées des zones humides du Sud Benin | 6 months |
| DR Congo | Heritier Milengé | CERUKI | Sensibilisation et partage d'information pour la promotion des champignons utiles et la gestion durable de leurs habitats à l'Est de la République Démocratique du Congo | 4 months |

| DR Congo | Cephas Masumbuko | UBukavu | Projet d'éduction et de sensibilisation de la population exploitant le bassin versant du Lac Tanganyika et de la rivière Ruzizi sur les rôles de la végétation et les techniques culturales durables pour la stabilité du sol (RD Congo) | 6 months |
|----------|---|---------------|--|----------|
| DR Congo | Cephas Masumbuko et Elisabeth Mugoli | UBukavu | Projet d'éducation et de sensibilisation des communautés riverains de la Réserve naturelle d'Itombwe sur l'importance des champignons sauvages comestibles : un atout pour répondre aux besoins vitaux. | 5 months |
| Rwanda | Jean Claude Dusabimana | Rwanda Nature | Baseline study on the perception of biodiversity in Rwanda based on the indicators developed in project type 1. | 6 months |
| Togo | Col. Agbeti | DSFMEDDPN | Sensibilisation des géomètres, des gardiens des us et coutumes et de neuf grands entrepreneurs en bâtiments et travaux publics sur la valeur des services éco-systémiques et l'impact de l'inaction à la conservation des zones humides urbaines et péri-urbaines | 6 months |

5-CAPACITY BUILDING THROUGH MANUALS

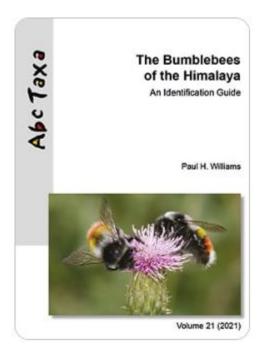
The lexica

In DRC, preparation of the edition of the lexicon dedicated to the the Itombwe Nature Reserve continued: 100% of the illustrations required to present 18 types of habitats were checked, as well as the total of vernacular names (5 local languages) of dominant plants.

In Burundi, the plan for the preparation of the lexicon of habitats in the Rusizi National Park was modified, because a large part of the pre-existing data turned out to be anachronistic. In fact, the vegetation has been strongly impacted by the rising of the lever of Lake Tanganyika and its tributaries, including the Rusizi River. As result, many trees have perished. To take this change into account, new data were collected and should be completed in 2022.

AbcTaxa

In 2021, an AbcTaxa volume 21 was published on the bumblebees of the Hymalaya.



Policy briefs

Based on discussions by more than 100 scientists, NGOs and decision-makers from DRC in participatory workshops in Kisangani (2017) and in Bukavu (2019), a policy brief 'Suivi de la biodiversité en RD Congo : comment le rendre efficace et pertinent pour la gestion et décision', was edited in 2020 for publication in 2021.

6-CEBIOS' STAFF ACTIVITIES, VISIBILITY & SOCIAL MEDIA

Conferences/ webinars

In 2021, staff members of CEBioS participated to the following conferences:

• Luc : IUCN World Congress, Sept. 2021.

Missions by CEBioS staff on 2021-budget

The year 2021 had the pandemic in full swing, with travel bans and lockdowns. Therefore, very few missions took place in that year. However, missions started again in 2021-2022 on the 2020 budget.

- Anne-Julie , Luc , Han: Benin , nov. 2021
- François, RDC, Kinshasa et Nord Kivu, August 2021
- -Hilde :

- December : Kisangani, Kinshasa
- October : Kinsantu, Yangambi, Kisangani
- Jolien Vennemann : consultancy Rabat Morocco, September
- Luc : Marseille, IUCN, September
- Luc : Niger (CHM), December

Publications

In 2021, staff members of CEBioS published the following papers:

- Zinsou Cosme Koudenoukpo, Olaniran Hamed Odountan, Prudenciène Ablawa Agboho5, Tatenda Dalu, Bert Van Bocxlaer, Luc Janssens de Bistoven, Antoine Chikou, & Thierry Backeljau, 2021. Using self–organizing maps and machine learning models to assess mollusc community structure in relation to physicochemical variables in a West Africa river–estuary system. Ecological Indicators, 126, 107706. <u>https://doi.org/10.1016/j.ecolind.2021.107706</u>
- Maarten P.M. Vanhove, Séverine Thys, Ellen Decaestecker, Nicolas Antoine-Moussiaux, Jeroen De Man, Jean Hugé, Hans Keune, Ann Sterckx & Luc Janssens de Bisthoven (2021) Global change increases zoonotic risk, COVID-19 changes risk perceptions: a plea for urban nature connectedness, Cities & Health, <u>https://DOI:10.1080/23748834.2020.1805282</u>
- Janssens de Bisthoven, L., 2021. Biosphere reserves and human well-being: lessons from UNESCO's EVAMAB project. The Conversation, Biosphere reserves and human well-being: lessons from UNESCO's EVAMAB project (theconversation.com)
- Janssens de Bisthoven, L., 2021. En Afrique, les leçons des réserves de biosphères pour vivre dans le respect de la biodiversité. The Conversation, En Afrique, les leçons des réserves de biosphères pour vivre dans le respect de la biodiversité
- Huybrechts, P., Venneman, J., Jatavallabhula, D., Moreau, K., Rochette, A., Reniers, J., Keunen, H., Janssens de Bisthoven, L., 2021. Biopols. Des interactions fructueuses entre science et politique à l'IRSNB. Science Connection 65, 46-50.
- Huybrechts, P., Venneman, J., Jatavallabhula, D., Moreau, K., Rochette, A., Reniers, J., Keunen, H., Janssens de Bisthoven, L., 2021. Biopols. Een vruchtbare interactie tussen wetenschap en beleid aan het KBIN. Science Connection 65, 46-50.

Social media & web site

CEBioS is visible in its new web site <u>https://cebios.naturalsciences.be/</u> and active on Facebook, LinkedIn and Youtube.

A summary of our Facebook and web site statistics for 2021 is provided in annex 1.

7-MANAGEMENT OF CEBIOS

The staff

The structure of the staff paid by the CEBioS programme in 2021

The staff is composed of 9.3 FTE (varies according to 80-100% of individual co-workers). The salaries are ventilated according to the following key:

Coordinator (1): COO Scientific Officer (5.5) : SOF Financial administrator (1): ACO Secretariat (0.8): SEC Graphism and communication (1): GRAC

COO: 1 FTE for general strategy, management, streamlining of administrative processes, coordination, policy support to DGD and international, communication and visibility, COP, formulation and part of monitoring & evaluation; also involved in the different SO1-2-3-4 for specific activities related to the above.

SOF 1: 1 FTE divided equally on SO1 and SO2 for training in habitat monitoring, coaching of students and production of lexica; support to UAC in Benin, OBPE in Burundi and ICCN and universities in DR Congo;

SOF 2: 1 FTE for SO1 on the GTI grants programme and the GTI support for scientific capacity building in the South by RBINS researchers, SO2 and 3 for CHM-IT and Public Awareness as well as in SO3 and SO4 for involvement of CEBioS in Educaid, IPBES, OECD Environet, alumni work, and pilot in SBSSTA and COP, facilitation for production and dissemination of AbcTaxa; In April 2020, this SOF quit her job after 11 years at CEBioS for a statutory job. A replacement has been selected and should start in July 2020.

SOF 3: 1 FTE divided amongst SO1, SO2, SO3 and SO4 for the MRV work, policy briefs;

SOF 4: 1 FTE divided amongst all SO for CHM and awareness work, for policy support, DGD attests, COP, Nagoya Protocol, part of M&E and cooperation in strategic dialogues; support to OBPE in Burundi;

SOF 5: 1 FTE in SO1, SO2, SO3 and SO4 for MRV work, policy briefs, support to CSB in DR Congo, part of M&E and cooperation in strategic dialogues and gender aspects;

SOF 6: 0.5 FTE for marine modelling in Benin (SO1); support to IRHOB in Benin; This SOF quit CEBioS for a statutory job at RBINS. The recruitment of a replacement is under way (June 2020). It will be essentially the same role, together with a component of capacity building for remote sensing in order to strengthen our partners to analyse land and water use/cover.

ACO: 1 FTE for general financial accounting of the programme in cooperation with central accountancy of RBINS Under management costs for year 1-3 Divided among SO1, SO2, SO3; SO4 and management costs for year 4-5

SEC: 0.8 FTE responsible for general logistics of the CEBioS programme, including administration of mobility of grantees, preparation of letters, DGD attests, buying of small equipment, shipment of equipment, books, AbcTaxa, presence at events with booth and folders. She works closely together and is supported by another FTE from the National CBD Focal Point team at RBINS. Divided under SO1, SO2 and SO3. This SEC quit in January 2020 for a statutory job. We have recruited a replacement with a somewhat higher level under a minus 26 job agreement, who should start in July 2020.

GRAC: 1 FTE for the graphical design of reports, plans, folders, posters, policy briefs and communication through social media, web site. Divided under SO1, SO2, SO3 and SO4. The current GRAC is a minus 26 job who replaces the previous person who is on career interruption leave.

Despite the sanitary situation, and the physical absence in our offices, the team kept on working closely together during this locked-down year, due to the good habit of holding weekly online team meetings and an open discussion culture. Tasks can easily be redistributed among colleagues when needed. The team is constantly working towards integration of the different sub-programs in phase II, which is already reflected in the way the phase II program is designed.

Monitoring & Evaluation

Monitoring of own processes

The mid-term evaluation of the previous programme- phase revealed that the internal organisation of documents, processes, missions and meetings within CEBioS could be improved. The audit also revealed that the coherence between the RBINS accounting and the internal registering of expenses by CEBioS gave ground to confusion and errors.

CEBioS staff took those recommendations at heart and implemented several measures to improve the situation and to meet the well justified criteria put forward by the auditors.

At this stage, three years into the current programme phase, we can state that substantial progress has been made, allowing everyone to have a much better overview and access to data, making reporting activities for instance less cumbersome than before and streamlining the accounting process and coherence with the accounting of the RBINS itself.

Monitoring of the implementation of the programme

Weekly staff meetings during which all staff members (irrespective of status or rank) report on their activities of the past week and their projections for the coming week(s) are contributing to the monitoring of the programme implementation. During those meetings the planification and coordination of missions, workshops, meetings, the contacts with the JSF's and other partners are

discussed as well as administrative or logistical bottlenecks. This exercise contributes greatly to the programme monitoring (so far that staff is in demand when cancelled or sends bullet points when on mission) which is also being kept track of in data-sheets, listing the indicators.

Gender

The involvement of women in CEBioS's activities in the partner countries remains an issue due to the local sociological and cultural conditions. CEBioS staff, at whatever occasion occurs, will point out the number of women, present at an activity, and initiate a short discussion about their under-representation. In our internal juries for competitive calls, we are sensitive to encourage women to apply and to win projects.

Annex 1: social media & web site statistics in 2021

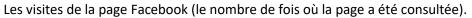
Facebook

Couverture de la page Facebook en 2021. La couverture : le nombre de comptes qui ont vu nos contenus sans pour autant aller sur notre page.

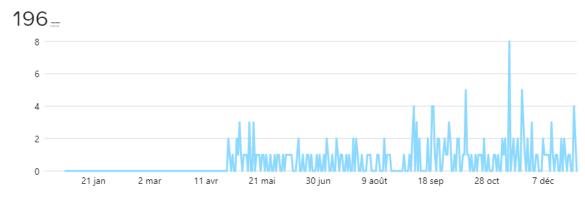
Couverture de la Page Facebook 🛈





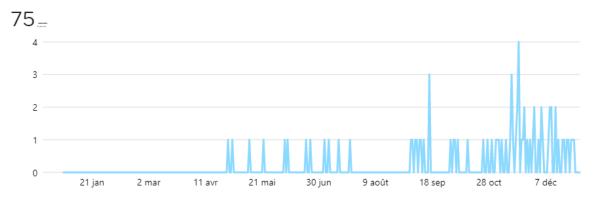


Visites sur la Page Facebook 🛈



Nouvelles mention "J'aime".

Nouvelles mentions J'aime de la Page Facebook 🛈



Annex 2: annual financial report 2021

See Excel file in annex 2 for financial report according to DGD-format.

END