Ressources de formation et de développement des capacités - produites par WCMC

Training and capacity development resources - produced by WCMC

1. Field Data Collection & Inventory Methods

Resource	Language	Type	Purpose	Training Outcomes
SMART Conservation Software - Spatial Monitoring and Reporting Tool	English	Monitoring platform and field methods training	Supports capacity development in standardized biodiversity and protected-area monitoring.	Participants can design monitoring programmes, collect field data, analyse results, and generate management reports.
Home | Forest Monitoring | Food and Agriculture Organization of the United Nations	English	Technical guidance and training resources	Supports national forest inventory implementation and forest monitoring system development.	Users develop skills in inventory design, field data collection, forest data analysis, and reporting.
Accueil | Suivi des forêts | Organisations des Nations Unies pour l'alimentation et l'agriculture	French	Technical guidance and methodology manuals Guides techniques et manuels méthodologiques	Provides Francophone practitioners with forest inventory and monitoring methodologies relevant to Central Africa. Met à la disposition des praticiens francophones des méthodologies d'inventaire et de suivi forestiers adaptées à l'Afrique centrale.	Participants can implement forest inventory protocols and contribute to national monitoring systems. Les participants sont en mesure de mettre en œuvre des protocoles d'inventaire forestier et de contribuer aux systèmes nationaux de suivi.
Bienvenue au cours tutoré en ligne sur l'inventaire forestier national	French	Facilitated online course Cours en ligne accompagné	Practical training in planning and implementing national forest inventories.	Learners gain competencies in inventory design, field measurements, quality control, data management, and reporting.

			Formation pratique à la planification et à la mise en œuvre d'inventaires forestiers nationaux.	Les apprenants acquièrent des compétences en matière de conception d'inventaires, de mesures sur le terrain, de contrôle qualité, de gestion des données et d'élaboration de rapports.

2. Data Management, Quality Control & Database Development

Resource	Language	Type	Purpose	Training Outcomes
Ecology Workshop Overview: Summary and Setup	English	Hands-on workshop	Builds skills in ecological data management, quality assurance, analysis, and reproducible workflows. [datacarpentry.org]	Participants learn spreadsheet best practice, QA/QC procedures, OpenRefine, databases, and introductory R/Python workflows. [datacarpentry.org]
https://docs.gbif.org/course-data-mobilization/fr/gestion-de-donnees-2.html	French	Module de formation en ligne en autonomie	Build practical skills in biodiversity data management, with a focus on data cleaning, standardisation, validation, documentation and preparation of datasets for sharing and publication. Développez des compétences pratiques en gestion des données sur la biodiversité, en mettant l'accent sur le nettoyage, la normalisation, la validation et la documentation des données, ainsi que sur la préparation des jeux de données en vue de leur partage et de leur publication.	Participants learn core data management concepts, apply best practices for cleaning and normalising biodiversity datasets, assess and improve data quality, and prepare data for publication using GBIF standards. Les participants acquièrent les concepts fondamentaux de la gestion des données, appliquent les meilleures pratiques pour nettoyer et normaliser les jeux de données sur la biodiversité, évaluent et améliorent la qualité des données, et préparent ces dernières pour leur publication en utilisant les normes du GBIF.

3. Data Standards, Publishing & Sharing

Resource	Language	Type	Purpose	Training Outcomes
Darwin Core Quick Reference Guide https://dwc.tdwg.org/terms/	English	Technical standards reference	Supports adoption of international biodiversity data standards.	Users learn how to structure biodiversity datasets using Darwin Core terms and improve interoperability.
GBIF Biodiversity Data Mobilisation Course https://docs.gbif.org/course-biodiversity-data-mobilization/fr/	French	Structured online curriculum	Provides end-to-end training on biodiversity data mobilisation and publication.	Participants gain skills in Darwin Core mapping, metadata preparation, quality assurance, and publication through GBIF.
GBIF Integrated Publishing Toolkit (IPT) https://www.gbif.org/ipt	English (French translation available)	Software training and implementation resource	Enables institutions to publish and manage biodiversity datasets through GBIF. [gbif.org]	Users can create metadata records, manage repositories, and publish datasets using international standards. [gbif.org]
Mobilisation des données sur la biodiversité :: Cours de formation du GBIF	French/ English	Practical tutorial Cours en ligne structuré	Build capacity in biodiversity data management, quality control, standardisation and publication using GBIF standards. Renforcement des compétences en matière de gestion, de contrôle qualité, de normalisation et de publication de données sur la biodiversité, en s'appuyant sur les normes du GBIF.	Participants learn data cleaning, quality assessment, Darwin Core, metadata management, and dataset publication through GBIF. Les participants apprennent à nettoyer les données, à évaluer leur qualité, à utiliser le standard Darwin Core, à gérer les métadonnées et à publier des jeux de données via le GBIF.

4. Spatial Analysis, GIS & AI Tools

Resource	Language	Type	Purpose	Training Outcomes
QGIS Training https://docs.qgis.org/latest/en/docs/training_manual/	English	Comprehensive GIS course	Develops geospatial analysis, mapping, and spatial data management skills.	Learners can create maps, undertake spatial analyses, manage spatial databases, and support biodiversity and forest monitoring. [docs.qgis.org]
Manual Manuel de formation QGIS https://docs.qgis.org/latest/fr/docs/training_manual/	French	Comprehensive GIS course	Official French-language GIS training based on the QGIS curriculum.	Participants gain practical mapping, geospatial analysis, and spatial database management skills.
Wildlife Insights https://www.wildlifeinsights.org/	English	AI-enabled camera trap analytics platform	Supports capacity development in camera trap data management and AI-assisted wildlife monitoring.	Users can automate species identification, process large image datasets, and generate analyses for conservation decision-making.
Pl@ntNet https://plantnet.org/	French and English	AI-assisted species identification tool	Supports plant identification training and biodiversity data collection.	Participants can identify plant species from photographs and contribute biodiversity observations.

5. Broader Biodiversity & Conservation Capacity Development

Resource	Language	Type	Purpose	Training Outcomes
Learning for Nature https://www.learningfornature.org/en/catalogue/	Primarily English, with some French-language courses	Self-paced online learning platform	Provides broader capacity development across biodiversity conservation, ecosystem management, protected areas, and sustainable development.	Participants strengthen technical and policy knowledge relevant to conservation planning, implementation, and governance.