

The Bioland Tool for National Clearing-House Mechanism Portals Introduction and Demonstration

Secretariat of the Convention on Biological Diversity
November 2025

Relevant CBD COP Decisions



Invites Parties and other Governments that do not have national clearing-house mechanisms and those wishing to redesign existing ones to use the Bioland tool developed by the Executive Secretary;

para 4(b)

Request the ES to continue to support the efforts of Parties to establish, sustain, and further develop their national clearing-house mechanisms, including through:

(i) Ongoing development and promotion of the Bioland tool



Request the Executive Secretary ...

Further development of the Bioland tool in response to the needs of Parties and users, and relevant technological developments



Request the Executive Secretary ...

To further develop the Bioland tool and build the capacity of Parties to use it effectively for developing or strengthening their national clearing-house mechanism portals in line with the programme of work for the clearing-house mechanism and in collaboration with the global coordination entity and regional and subregional support centres, relevant initiatives and Parties that already use the Bioland tool

o The Bioland Tool:

- A turn-key solution to support Parties in creating and managing national CHM portals.
- Developed on Drupal Content Management System
- Interoperable with central portal of CHM and other knowledge platforms
- Role-based content workflows and authorships

The Secretariat provides:

- Tutorials and Guidelines
- Training Workshops
- Helpdesk Support



Bioland 2.0 feature overview



Completely New User Interface Design System

Rich Home Page Experience

Easier to manage and use

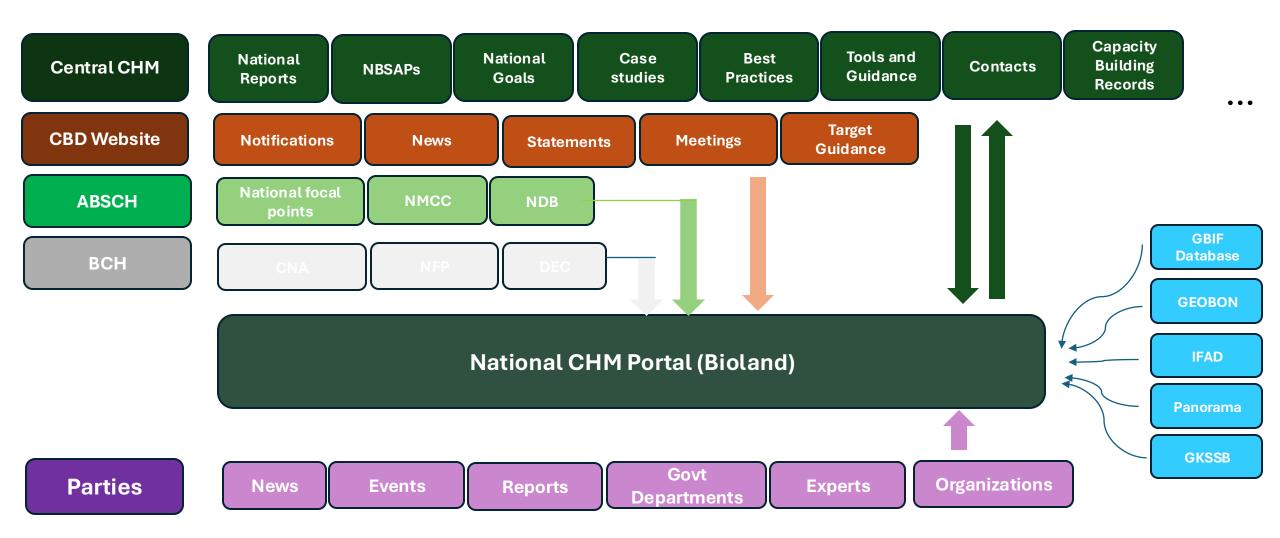
Integration with GBF meta data and targets

New interoperability integrations and collaborative features

- 1. National CHM within the CHM network Each nCHM portal established using the Bioland tool has a URL within the CHM network domain (https://XY.chm-cbd.net, where XY is a 2-letter ISO country code). Alternatively, a Party may provide a custom domain.
- 2. Freely centrally hosted —A Party using the Bioland tool does not need to pay any web hosting cost for its nCHM portal.
- 3. Secure All Bioland-powered nCHM portals are secured through a web certificate (supporting the use of the HTTPS protocol).
- **4. Maintained by the CBD Secretariat** SCBD will provide the technical support to maintain the Bioland tool.
- 5. Interconnected to the central CHM Official national content available on the central CHM platform (e.g. National targets, NBSAPs, National Reports, etc.) is automatically transferred to a Bioland-powered nCHM portal. Parties do not have to enter the same information twice.
- 6. National content, including publishing workflows, managed by Party Each Bioland-powered nCHM portal will have at least one National Content Manager (NCM) designated by the CHM NFP. The NCM is responsible for deciding what can be published on the national CHM portal. NCMs can be assisted by one or more National Content Contributors who are limited to drafting content.

- 7. CHM-Focused Content Types and workflows Bioland tool supports customized data collection and presentation for Events, News, Projects, Documents, Ecosystems, Related Websites and other information types.
- **8. Web statistics** Each nCHM portal established with the Bioland tool will have statistical information about how its content is used.
- 9. Multilingual A Party can decide in which language(s) its nCHM portal should be established.
- **10. Customizable** A Party can customize many aspects of its nCHM portal, for example its menus, content, and visual appearance. However, advanced customization requests may require a feasibility study and additional resources.
- 11. Interoperable The content of a nCHM portal powered by the Bioland tool can be made interoperable through a public application programming interface (API). This API can then be used by external web application to extract content from the national CHM portal.
- **12. Open Source** The Bioland tool is built using available open-source technologies and software.

Bioland 2.0 information design



Bioland Tool for National CHMs

A turnkey digital solution to support Parties in developing their national CHM portals

Key Features

Zimbabwe



2 Connected with CBD website, CHM portal and other key knowledge platforms



Improved user interface and design for superior experience



Based on Drupal CMS. Easy to use and maintain

Parties actively using Bioland

Belgium	Burkina Faso	Burundi	Bhutan	Benin	DR Congo	Central African Republic
Republic of the Congo	Côte d'Ivoire	Cameroon	Colombia	Ethiopia	France	Gabon
United Kingdom	Guinea	Iraq	Kenya	Comoros	Sri Lanka	Morocco
Madagascar	Mali	Mauritania	Mauritius	Malawi	Niger	Netherlands
Palestine	Rwanda	Sudan	Togo	Tanzania	Yemen	Zambia

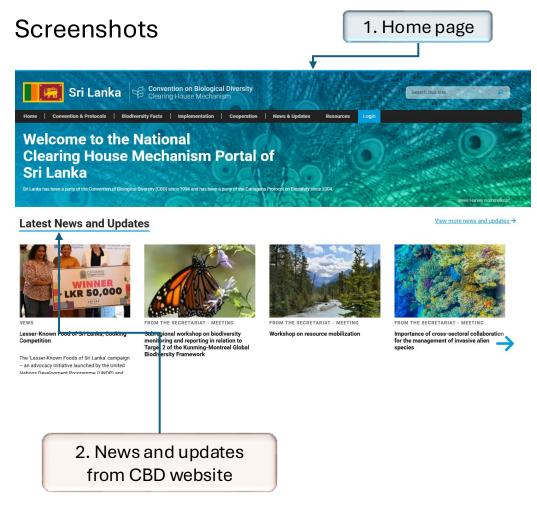
Demo

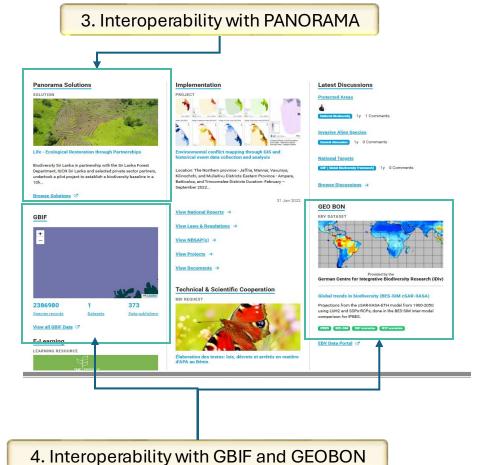
https://be.bl2.chm-cbd.net/en

https://gb.bl2.chm-cbd.net/en

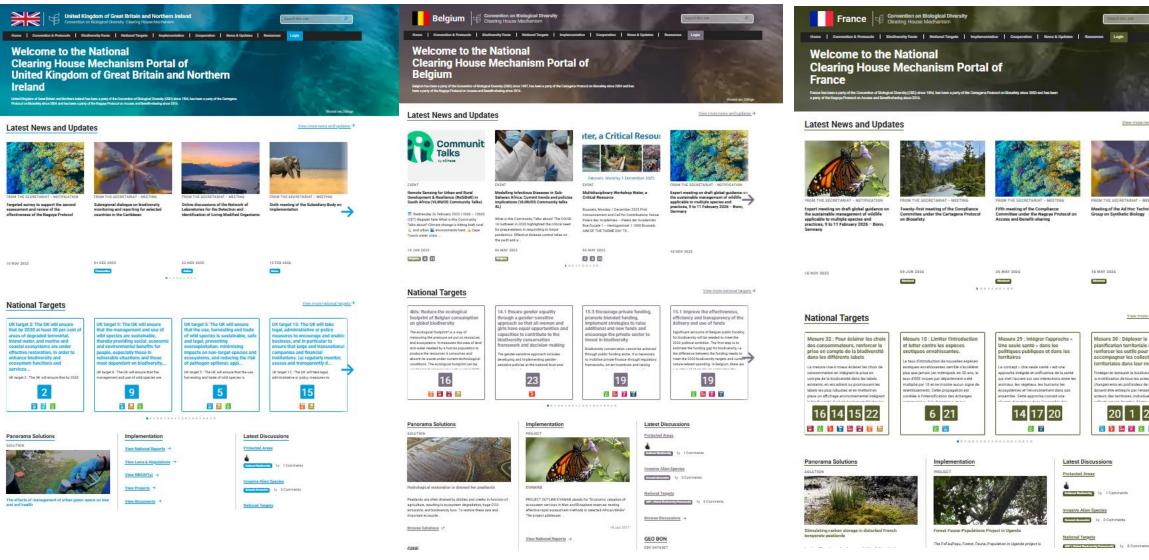
https://fr.bl2.chm-cbd.net/en

Bioland Portals





Bioland 2.0







View more news and updates: 4

Meeting of the Ad Hoc Technical Expe



Mesure 30 : Déployer la planification territoriale et renforcer les outils pour compagner les collectivités ritoriales dans leur mobilisation iger et restaurer la biodivenziol nécessin mobilization de tous les acteurs. Les angements en profondeur de nos sociétés ent être entrepris par l'ensemble des. eurs des territoires, individuellement ou 20 1 22

Your more national targets:-9

Latest Discussions Irressive Alien Species ly DComments



News and Updatesconnected with CBD website







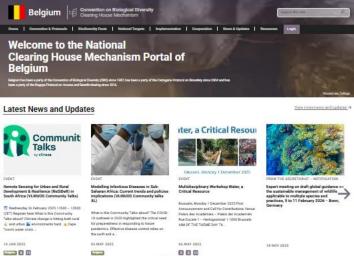


Interoperability with other knowledge bases

Targets - connected

with CHM and ORT







4bis: Reduce the ecological footprint of Belgian consumption on global blodiversity

The ecological footprint is a way of measuring the pressure we gut on resourc and ecosystems. It measures the area of lar and water needed by a human population to produce the resources it consumes and absorb its waste under current rechnologic conditions. The ecological footpoint can be



emissions and biodiversity loss. To restore these rate and

Panorama Solutions

14.1 Ensure gender equality through a gender-sensitive approach so that all women and girls have equal opportunities a capacities to contribute to the diversity conservation mework and decision-making

brough public funding slone. It is necessar 23



15.3 Encourage private funding,

courage the private sector to

promote blended funding,

molement strategies to raise



Latest Discussions

by OCommercia



ecosystem services in Man and Biosphere receives testing effective rapid assessment methods in selected African MAGs

View National Reports +

for blodiversity will be needed to meet the 030 political ambition. The first step is to eet the 2000 bindinessity targets and curreff? related spending to Delgium, there are 19

15.1 Improve the effectiveness,

efficiency and transparency of the delivery and use of funds

View more national largets:->





National Targets

France Comvention on Biologic

Clearing House Mechanism Portal of

Welcome to the National

Latest News and Updates

France



Lifth meeting of the Compliance Committee under the Nagoya Protocol on Access and Benefit-sharing















Implementation



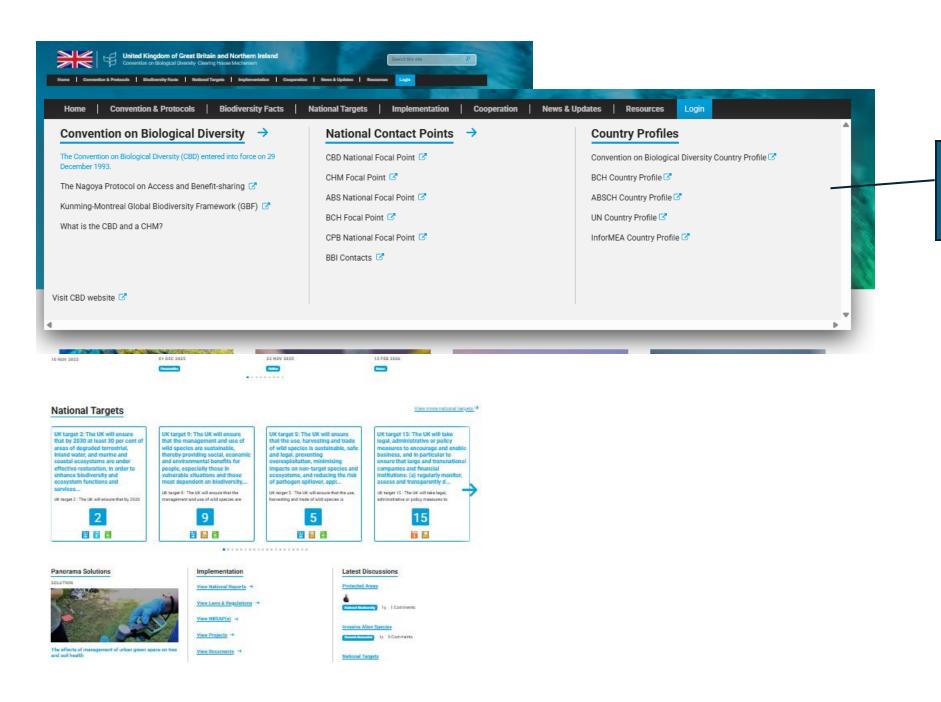


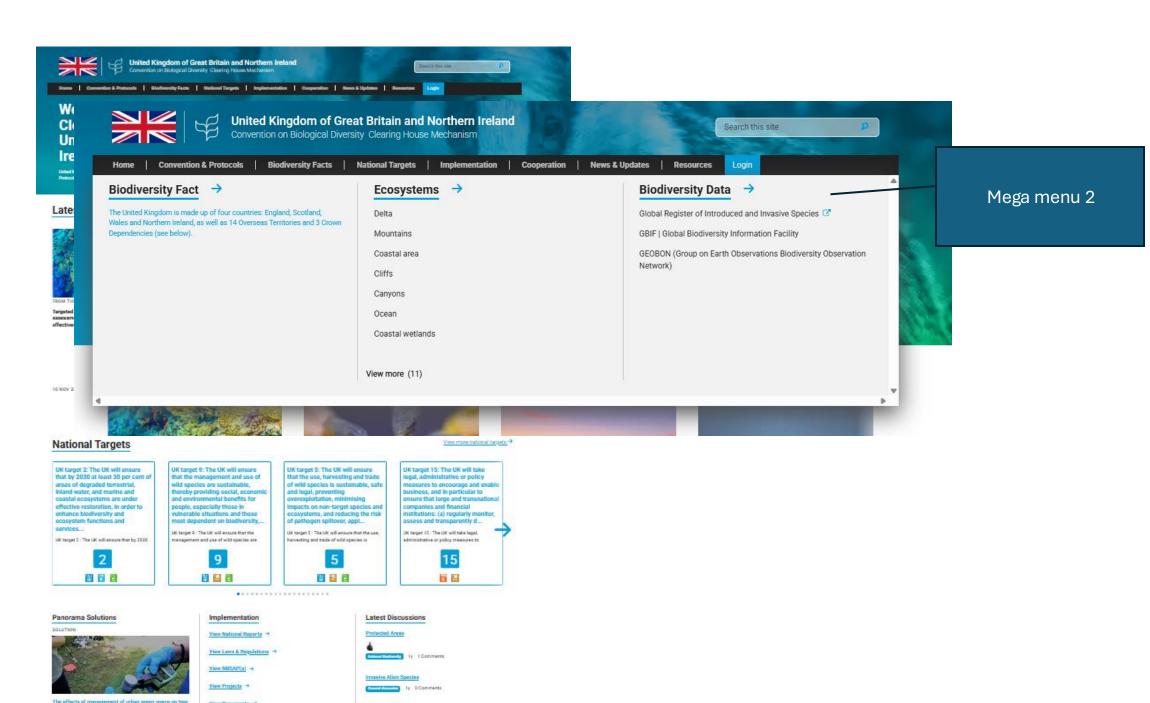
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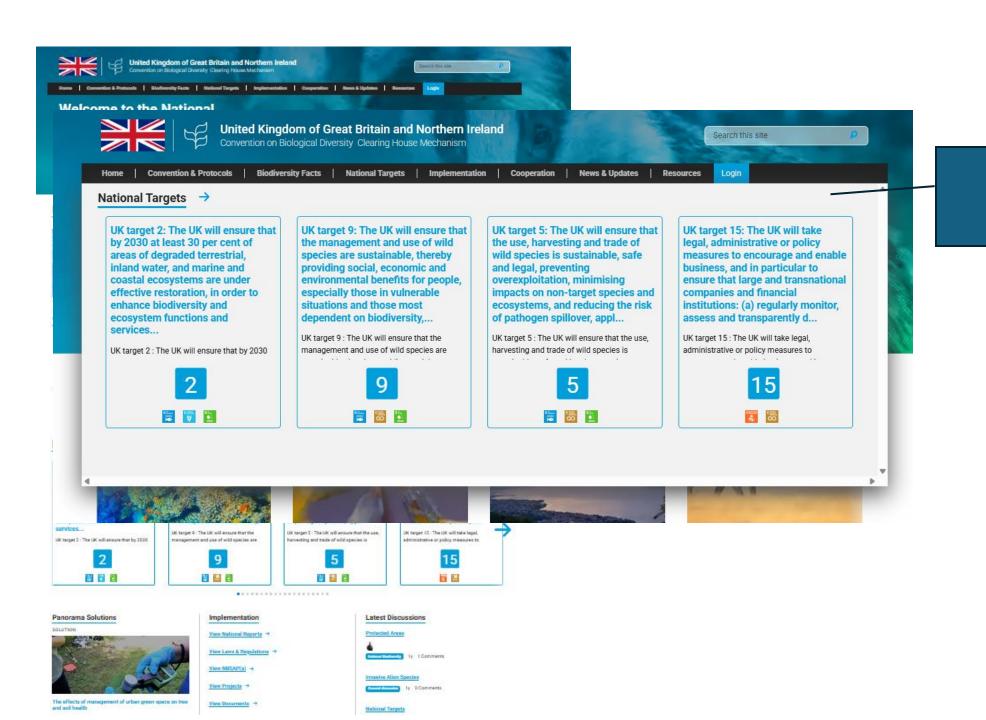
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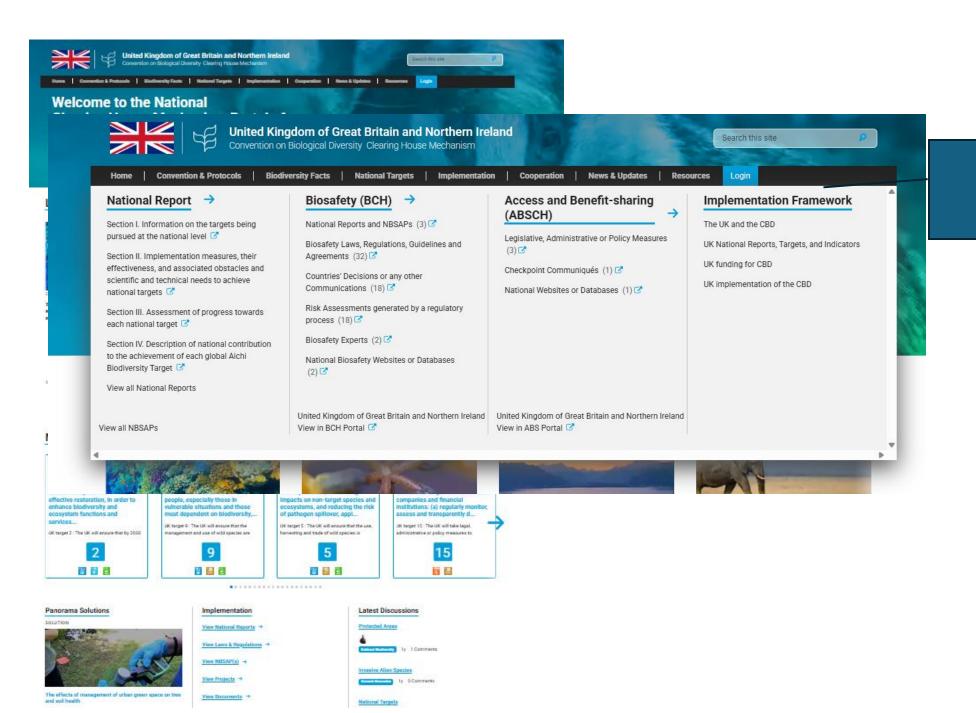
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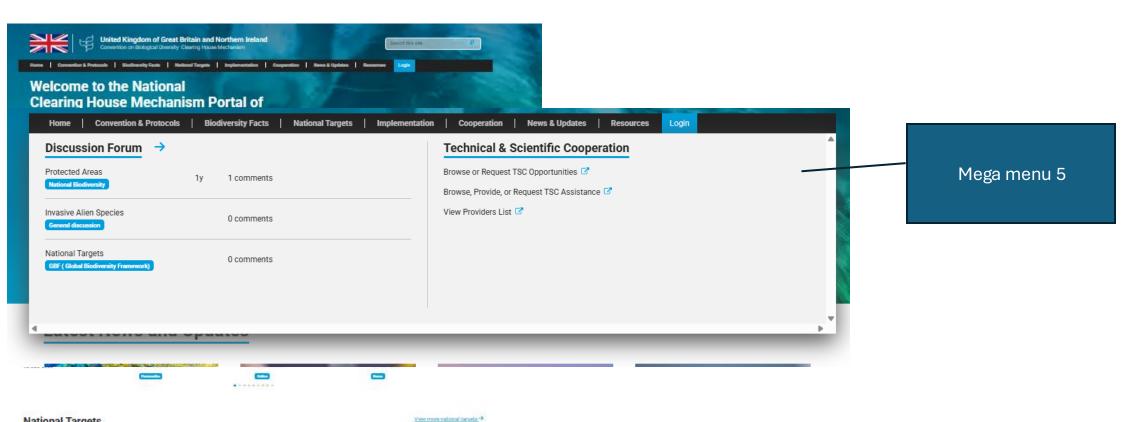




National Targets







National Targets

UK target 2: The UK will ensure that by 2030 at least 30 per cent of areas of degraded terrestrial, Inland water, and marine and coastal ecosystems are under effective restoration, in order to enhance blodiversity and ecosystem functions and

UK target 2 : The UK will ensure that by 2006.



UK target 9: The UK will ensure that the management and use of wild species are sustainable, thereby providing social, econor and environmental benefits for people, especially those in vulnerable situations and those most dependent on biodiversity,...

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UK target 5: The UK will ensure that the use, harvesting and trade of wild species is sustainable, safe rerexploitation, minimising impacts on non-target species and ecosystems, and reducing the risk of pathogen spillover, appl...

UK target S: The UK will enouge that the use. amenting and trade of wild species is



UK target 15: The UK will take ogal, administrative or policy asures to encourage and enable siness, and in particular to sure that large and transnati impanies and financial stitutions: (a) regularly monitor, ssess and transparently d....

K target 15: The UK will take legal. ministrative or policy measures to



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Panorama Solutions

The effects of management of urban green space on tree



View Laws & Regulations + View NBSAP(s) →

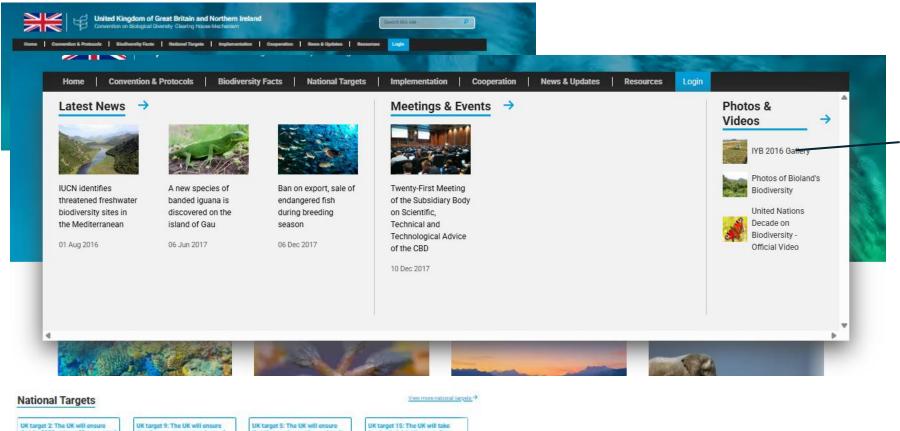
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Latest Discussions



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National Targets



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Panorama Solutions



The effects of management of urban green space on tree

Implementation

View National Reports + View Laws & Regulations +

View NBSAF(x) →

View Documents +

Latest Discussions Protected Areas

Ty 1 Comments

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National Targets

Bioland 2.0

Panorama Solutions

SOLUTION

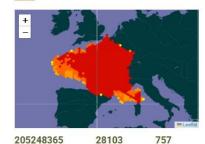


Stimulating carbon storage in disturbed French temperate peatlands

Lowland French peatlands are probably all disturbed in one way or another. Most of the time, the water table level was affected through drainage or infrastructure (e. g. road ditches). The result

Browse Solutions 2

GBIF



Datasets

Species records View all GBIF Data 2

Implementation

PROJECT



Forest-Fauna-Populations Project in Uganda

The FoFauPopu, Forest, Fauna, Population in Uganda project is located in the extreme north of Kibale National Park in Uganda. Co-financed by the French Global Environment Fund and the member instituti...

1 3 4 5 7 9 10 11 14 15 16 20 22

30 Sep 2018

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View NBSAP(s) →

View Projects →

View Documents →

Technical & Scientific Cooperation

BBI REQUEST

Data publishers



Latest Discussions

Protected Areas



Invasive Alien Species

General discussion 1y 0 Comments

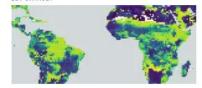
National Targets

GBF (Global Biodiversity Framework) 1y 0 Comments

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EBV DATASET



German Centre for Integrative Biodiversity Research (iDiv)

Global trends in ecosystem services (BES-SIM LPJ)

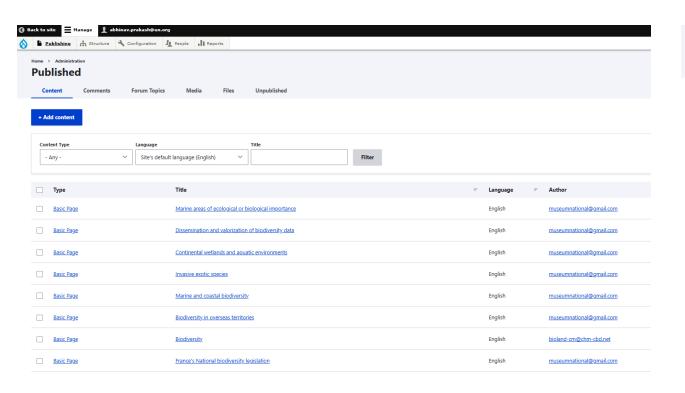
Projections from the LPJ model from 2015-2050 using LUH2 and SSPs-RCPs, done in the BES-SIM inter-model comparison for

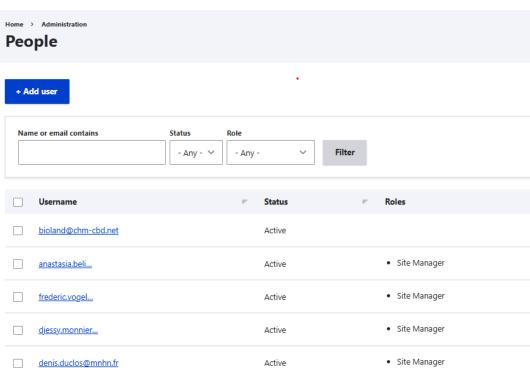




More rich content, and integrations on scrolling down

Bioland 2.0 – admin interfaces





Thank You



Kunming-Montreal GLOBAL BIODIVERSITY FRAMEWORK



Secretariat of the Convention on Biological Diversity

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