

Lubumbashi

Discussion

Towards
a
Regional Network
for
Copper Flora





TOWARDS A REGIONAL NETWORK?

- A network of dedicated partners for conserving copper flora
- Added value for individual actions by mining companies

The network is managed in a clearing house mechanisms





Clearing House Mechanism

A platform to

- Promote and facilitate technical and scientific cooperation between regional partners for the copper flora conservation;
- Develop a global mechanism for exchanging and integrating information on copper biodiversity;
- Develop a human and technological network.

Key elements
Information exchange, Co-operation, Network
Development, Transparency





Clearing House Mechanism

Proposal

- Managed by ULiège and Unilu as independant experts
- Targeted to Mining companies
- Partnership with NGOs Government





Actions

An updated survey of copper flora state

Challenges are identified

 Regional objectives that can be reached by individual contributions of different mining partners

Individual actions are integrated

 Support to mining companies to manage information and report on progress to NGOs and Government

A Reporting system is developped

Share experience and best practices on conservation techniques

Web site for sharing information is developed Training sessions are organized for environmental managers



DERNIERES NOUVELLES DU SCDB

- With immense sadness, we announce the death of our dear colleague Olivier de Munck. He was a supremely dedicated colleague who joined the Secretariat in 1999.
- Nominations are now invited for the MIDORI Prize for Biodiversity 2018. The call for nominations remains open until 15 June 2018.
- The February 2018 edition of the Global Partnership for Business and Biodiversity newsletter is now available.



BIENVENUE SUR LE SITE DU CHM DE LA REPUBLIQUE **DEMOCRATIQUE DU CONGO**



Le centre d'échange d'informations sur la Diversité

Biologique (CHM) est mis en place conformément au paragraphe 3 de l'article 18 de la Convention sur la Diversité Biologique.

Il joue principalement trois rôles à savoir:

- la promotion et la facilitation de la coopération technique et scientifique;
- la promotion et la facilitation des échanges d'informations entre les parties, les autres gouvernements et parties prenantes;
- un mecanisme pleinement opérationnel avec la participation de toutes les parties et d'un réseau élargi de partenaires.



Le CHM constitue aussi une vitrine nationale qui met en exergue les richesses dont regorge la République Démocratique du Congo ains



CALENDAR OF EVENTS

« Février 2018 »						
Lu	Ma	Me	Je	Ve	Sa	Di
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				



DÉCENNIE DES NATIONS UNIES





























Seeds for the project







Mobiliser les compétences du réseau

Partenaires directs

Partenaires indirects (scientifiques)















Amélioration des actions et de la stratégie



Questions Evaluation des actions



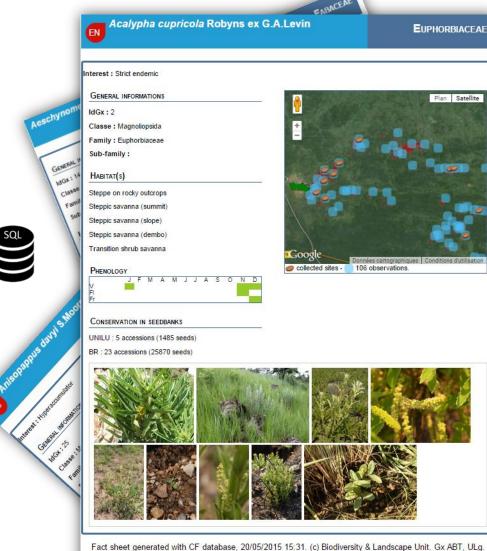
















Acalypha cupricola Robyns ex G.A.Levin

EUPHORBIACEAE

Interest: Strict endemic
Proposed IUCN Status: EN

DISTRIBUTION

Restricted to Cu-hills, with a wide distribution throughout the Katangan Copper Arc.

DESCRIPTION

Perennial herb from a thick, woody rootstock. Numerous erected stems, 30-90 cm tall, light green turning reddish brown, pilose and densely pubescent. Caduceus linear stipules, 1-2 x 0.5 mm. Narrowly ovate to obovate leaves 4.0-6.0 x 0.8-1.2 cm, densely puberulent. Plants monoecious or dioecious, with staminate or androgynous, axillary inflorescences (30-60 x 2.5-3 mm) or solitary, pistillate flowers. Capsules 3 x 4 mm, densely puberulent, 3-seeded. Seeds 2.3-2.6 x 1.8-2 mm, smooth.

ECOLOGY

Occurs on lowly to moderately Cu-enriched steppic savannas, from the contamination dembo to the summit steppic savannas.



PHENOLOGY

Flowering and fruiting peaks occur at the beginning of the rainy season, after which the plant develops for the rainy season.

CONSERVATION TECHNIQUES

Seed collection and extraction: Seeds production is limited and collection challenged by the bursting of

mature capsules and the rapid dispersal. Usual collection ranges from 2 to 20 seeds per individual, with many being empty. Capsules containing seeds are collected manually, in October-November, rubbed in a 2 mm sieve after what seeds are isolated under the sieve (remaining seeds can be collected on the mesh). Collection could be improved by placing mesh bags around immature capsules.



 Seed storage and germination rates: Because of difficulties in seed collection (few seeds per individuals, usually sterile), few seeds have been stored in seed banks. Though still to be confirmed with future tests, germination is null for collected samples.

 Nursing: Sowing of seeds collected on site is likely to fail and should be replaced by vegetative reproduction.
 Feasability is to be evaluated.

Seed weight: 1000 seeds = 2.6 g.

 Translocation: Translocation has proven to be moderately successful for this species: survival rate of individuals translocated to Shimbidi artificial ecosystem is of 46 % after 3 months and will have to be confirmed.

 Vegetative reproduction: Tests of vegetative reproduction should be established on root cuttings 10-15 cm long or on ramets treated with rooting hormone.

References: Levin G. et al. 2007.









12





Experience for similar project

Belgian extractive industry



Belgian association of non-energy extractive industries

Production of aggreggates (limestone, sandstone porphyry, sand, gravels, marine aggregates), lime, dolomie, ornamental stones

Key figures 2014 – Fediex members

Extraction: 57.1 millions T

Direct Employment: 2,840

85 sites





From the biologist point of view ...



3. Temporary ponds



2. Screes



4. Invasives?



5. Rehabilitation



1. Cliffs





Life in Quarries project



An innovative partnership: multi-sectorial collaboration

"Industry – Public Authority – University – NGO"













The 3 pillars of the project



On-site demonstration

Phase I [2015 - 2018]
Implementing biodiversity management plans
in 14 quarries in Wallonia

