



Organisation
des Nations Unies
pour l'éducation,
la science et la culture

Gestion durable des ressources naturelles et des écosystèmes du Bassin du Congo à travers le concept de site naturel du patrimoine mondial et de réserves de biosphère (Cameroun, Congo, Gabon, Guinée Equatoriale, RCA, Tchad)

IDENTITÉ DU PROJET ▷

Secteur	Pays	Budget 4,200,000 USD (700,000 USD par pays)
Sciences naturelles	Cameroun, Congo, Gabon, Guinée Equatoriale, RCA, Tchad	
Culture		
Domaine(s) (1)	Durée	
Gestion des ressources naturelles	3 ans	
Champs d'action (2)	Homologue	
National / Sub-regional	Ministères en charge de l'environnement, des forêts et de la Culture	

Bureau de l'UNESCO chargé de la mise en œuvre du projet:
Bureau Hors Siege à Yaoundé

Responsable du projet :
M. Salah Khaled
(s.khaled@unesco.org)

1- Domaine (s): Par Domaines, on entend les différents domaines d'intervention principaux, par exemple: si l'éducation est le secteur concerné, il s'agit de l'EFTP, de l'alphabétisation des adultes, de la formation des enseignants, etc.

2- Champs d'actions: locale (bénéficiant d'une zone géographique spécifique), nationale (bénéficiant à l'ensemble du pays) ou régionale (plusieurs pays). Dans le cas d'une portée régionale, veuillez indiquer quels pays.

OBJECTIF ▷

Promouvoir une gestion inclusive et durable des sites du patrimoine mondial et des réserves de biosphère au Cameroun, Congo, Gabon, Guinée Equatoriale, RCA et Tchad.

CONTEXTE ▷

Les forêts tropicales humides d'Afrique centrale constituent l'un des héritages naturels les plus importants de l'humanité toute entière que l'on se doit de préserver. Elles contiennent une biodiversité exceptionnelle constituée d'espèces rares et menacées et de plantes endémiques. Ces forêts jouent un rôle central dans la régulation du climat à travers la séquestration du carbone et la régulation de la pluviométrie. Dans une perspective de conservation à long terme de leur patrimoine naturel et culturel sur lesquelles se fondent leurs économies, de grandes superficies de ces forêts sont classées en aires protégées, certaines bénéficiant d'un statut international, octroyé par l'UNESCO (Man and the Biosphere) et Patrimoine

PRINCIPAUX DOMAINES D'INTERVENTION (budgétisés) ▷

1. Conduire l'état des lieux des sites du patrimoine mondial et des réserves de biosphère (100,000 USD)
2. Promouvoir la création de nouveaux sites en particulier transfrontières à statut international (200,000 USD)
3. Renforcer les compétences de la chaîne des acteurs impliqués dans la gestion de ces espaces en mettant l'accent sur la prévention des risques liés aux changements climatiques et la résilience des communautés locales (1,200,000 USD)
4. Appuyer les initiatives innovantes de promotion du développement durable, y incluses les activités d'économie verte, en prenant en compte les connaissances autochtones et les technologies innovantes (2,300,000 USD)
5. Communication et plaidoyer auprès des communautés pour la protection et la transmission du patrimoine immatériel associé à la sphère des écosystèmes et biodiversité (400,000 USD)

RÉSULTATS ATTENDUS ▷

Les Etats ciblés disposent des outils pertinents permettant de:

1. Les sites du patrimoine mondial et les réserves de biosphère sont gérés de manière à assurer leur durabilité
2. La représentativité des réserves de biosphère et site du PM est améliorée ; la diversification de l'économie locale étayée
3. La résilience des communautés aux effets néfastes des changements climatiques est renforcée.





United Nations
Educational, Scientific and
Cultural Organization

Addressing inclusive urban resilience of wide spread cities in Central Africa region with the use of Artificial Intelligence:

PROJECT ID ▷

Sector	Country(ies)	Budget 15,000,000 USD
Natural Sciences	Congo, Chad, CAR, RDC	
Domain(s) (1)	Duration	
Renewable Energy Education, Sustainable	3 years	
Scope (2)	Counterpart	
Regional	Governments, Universities, Research Institutes & UNESCO Chairs, International Chairs	

1- Domain(s): Under Domains are understood the different main areas of intervention, e.g. if Education is the sector it refers to TVET, Adult Literacy, Teachers training etc.

2- Scope: Local (benefiting a specific geographic area) , National (benefiting the entire country) or Regional (several countries). In case of Regional, please indicate which countries.

UNESCO Office in charge of the project implementation:
UNESCO Office in Yaoundé

Responsible Person :
Mr Salah Khaled
(s.khaled@unesco.org)

OBJECTIVE ▷

To improve living conditions of urban population, especially of poor and vulnerable neighborhoods of the 4 cities by reinforcing urban resilience and capacity of civic society vis-à-vis climate change issues and livelihood affected by climate extreme climate changes and flood and water scarcity/droughts.

CONTEXT ▷

Central Africa hosts wide-spread cities, densely populated, and often very little regulated, lacking or little equipped with comprehensive effective town planning plans, especially with regard to addressing inherent societal vulnerabilities and forecasts of natural disasters, effects of rain extreme precipitations and river flooding. AI data, in particular remote sensing and drones, has crucial role to play in monitor and mitigating effects of climate change. The project seeks to contribute to achieving SDG 11 of the UN Agenda 2030, through a twofold approach: setting-up a comprehensive monitoring framework for natural risks management and disaster prevention, while looking at improving livelihood conditions of citizens, addressing urban resilience and climate change challenges, better management of urban environments.

MAIN AREAS OF INTERVENTION (budgeted) ▷

1. Remote sensing & drone mapping of urban/natural vulnerabilities, hazards, exposure of populations & assets, on the rivers Congo (Kinshasa and Brazzaville), Logone and Chari (N'Djamena), Chari and Ubangui (Bangui) (200,000 USD)
2. Technical assistance to setting, maintaining and updating a databank, including Building Information Management system, by universities and platforms with municipalities, specialized research centers, service meteorological national, etc. (250,000 USD)
3. Technical Assistance to strengthen policy and regulatory framework (100,000 USD)
4. Capacity-building of actors to prevent flood & disasters, and to maintain and update data for better infrastructure planning and water drain/evacuation system (sewages, culverts, etc.) (300,000 USD)
5. Training of technical personnel in remote sensing, technologies for imaging with satellites, drones as well as social media analysis, to achieve more defined and detailed mapping for more vulnerable areas.
6. Advocacy and raise awareness of local communities through municipalities and decision makers on early warning, and addressing issues of better planning and better management, including using traditional knowledge(250,000 USD)
7. Introduce an App, produce & disseminate messages and sensitize civic society thereof (180,000 SD)
8. Carry out an evaluation of the project activities; collect lessons learnt for further improvement for wider implementation and replicability of the project (20,000 USD)

EXPECTED OUTCOMES/RESULTS ▷

1. Policies and regulatory framework strengthened
2. Scientific exchange platform in place, informed by up-to-date data
3. Wide participation achieved, with population sensitized in the four megacities of Kinshasa, N'Djamena, Brazzaville and Bangui
4. Monitoring and early warning system is in place with the direct participation of the population, number of casualties and accidents, loss of lives and assets are drastically reduced, and target cities are adopting a more sustainable urban planning scheme, based on a civic-society participative approach.
5. A network of cities launched, with the view to promote the adoption and implementation of integrated policies
6. Citizens and youth sensitized to communicate and transfer data to the scientific platform through a simple mobile App, as well as to integrate traditional knowledge instruments and collective memory, to refine the predictive and alerting accuracy and diffusion among the concerned population





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Transhumance, Développement et Paix

IDENTITÉ DU PROJET ▷

Secteur	Pays	Budget 3,500,000 USD
Sciences exactes et naturelles	Cameroun, Niger, Tchad, RCA, RDC, Soudan, et Soudan du Sud	
Domaine(s) (1)	Durée	
Paix et développement durable	3 ans	
Champs d'action (2)	Homologue	
Régional	UA, RECs, COMIFAC, ONU Afrique, UNOCA, UN agences, Pays membres bénéficiaires, communautés, société civile...	

1- Domaine (s): Par Domaines, on entend les différents domaines d'intervention principaux, par exemple: si l'éducation est le secteur concerné, il s'agit de l'EFTP, de l'alphabétisation des adultes, de la formation des enseignants, etc.

2- Champs d'actions: locale (bénéficiant d'une zone géographique spécifique), nationale (bénéficiant à l'ensemble du pays) ou régionale (plusieurs pays). Dans le cas d'une portée régionale, veuillez indiquer quels pays.

OBJECTIF ▷

Contribuer à une gestion durable et pacifique de la transhumance

Bureau de l'UNESCO chargé de la mise en œuvre du projet:
Division des Sciences écologiques et de la terre

Responsable du projet :
Noeline Raondry Rakotoarisoa
(n.raondry-rakotoarisoa@unesco.org)



CONTEXTE ▷

Face à l'activité accrue des groupes armés qui se déplacent entre le Sahel, le Soudan et le Nord de l'Afrique équatoriale et qui se livrent à des actes braconnage transfrontaliers, il est urgent d'encadrer les pasteurs transhumants pour éviter plus de collusion. C'est ainsi que les pays de la région ont demandé « à l'UNESCO, dans le cadre du Programme Homme et Biosphère (MAB), de faciliter la mise en place et le fonctionnement d'un cadre de concertation sur la transhumance qui permettrait d'analyser les questions fondamentales liées à la transhumance transfrontalière et d'en développer les solutions idoines ».

PRINCIPAUX DOMAINES D'INTERVENTION (budgétisés) ▷

1. CONNAISSANCE : mise à jour, amélioration des connaissances et analyse de la transhumance dans son contexte culturel et interculturel, économique et sécuritaire (500,000 USD)
2. CONCERTATION ET AMENAGEMENT SPATIAL : un aménagement spatial participatif du territoire basé sur des concertations transfrontières en appliquant les principes des réserves de biosphère pour sécuriser les couloirs de transhumance pour une cohabitation pacifique entre usagers des ressources naturelles (2,000,000 USD)
3. REHABILITATION : Réhabilitation des couloirs de transhumance (1,000,000 USD)

RÉSULTATS ATTENDUS ▷

1. Meilleure connaissance et meilleure gestion du pastoralisme dans le bassin du lac Tchad
2. Un cadre de concertation transfrontalière durable mis en place
3. Sensibilisation de plus de 100.000 personnes à la gestion pacifique du pastoralisme
4. Amélioration de la cohésion sociale, du mieux vivre ensemble et diminution des conflits intercommunautaires
5. Amélioration des sources de revenus d'au moins 10.000 personnes





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Renewable Energy for Schools and Communities in Rural and Remote Areas in Africa (RE-AFR)

*A Way to accelerating the SDGs Achievements for those most left
behind*

PROJECT ID ▷

Sector	Country(ies)	Budget 8,000,000 USD
Natural Sciences	Eswatini, Malawi, Togo, Benin Zambia, Mozambique, Mauritania	
Domain(s) (1)	Duration	
Renewable Energy Education, Sustainable	4 years	
Scope (2)	Counterpart	
Regional	UNESCO Chairs in Renewable Energy (RE), RE Centers, CoE ICT/Ed, ESD, TVET, Africa CoE in Energy for SD, Ministries of Energy, AU, SADC, NEPAD, UNEP, SIRDC, SACREEE, Professional networks	

UNESCO Office in charge of the
project implementation:
Regional Office for Southern Africa

Responsible Person :
Mr Hubert Gijzen
(h.gijzen@unesco.org)

1- Domain(s): Under Domains are understood the different main areas of intervention, e.g. if Education is the sector it refers to TVET, Adult Literacy, Teachers training etc.

2- Scope: Local (benefiting a specific geographic area) , National (benefiting the entire country) or Regional (several countries). In case of Regional, please indicate which countries.

OBJECTIVE ▷

To introduce a sustainable use of solar energy technology in rural off-grid areas as a 'game changing' impact in schools and rural communities in selected African countries, particularly in LDCs and disadvantaged communities in MICs

CONTEXT ▷

Africa continues to lag behind in the energy sector even though the continent is blessed with high levels of solar radiation. In many countries, solar energy is not harnessed as a component of the energy mix in rural areas for communities, which are off the national electricity grid. Solar PV systems can be harnessed particularly in remote or rural communities to provide lighting and solar-driven pumps for clean water for rural service centres, schools, homes and clinics and can transform the livelihoods of populations in these areas. These facilities and the system that supports them can have great impact on children's learning outcomes by showcasing the sustainability

MAIN AREAS OF INTERVENTION (budgeted) ▷

1. Deploy environment-friendly photovoltaic energy access to selected rural schools and communities particularly in LDCs and disadvantaged communities in some Middle-Income Countries (MICs) (6,000,000 USD)
2. Leverage the Renewable energy deployed to provide students in those communities access to eco-friendly ICT equipment with the introduction of MiniLabs (500,000 USD)
3. Establish a training-of-trainers system and community awareness programme to ensure knowledge transfer of capacity development in installation, use and maintenance of Solar (PVs) systems to local users, technicians, workers, and artisans (1,000,000USD)
4. Create green jobs and entrepreneurship opportunities for women and men through trainings, skills development, piloting and demonstrating use of renewable energy technologies in selected communities 500,000 USD)

EXPECTED OUTCOMES/RESULTS ▷

1. Renewable Energy (RE) technologies introduced in selected schools and communities (over 100,000 students), and linked to the educational system and curriculum, as a means to contribute to the Education for Sustainable Development;
2. Spin-off benefits from RE introduction in (self-) employment opportunities (about 1,000 maintenance workers/technicians), women empowerment, and learning opportunities and achievements identified and maximised.
3. Capacity of universities and research institutes strengthened in teaching, learning and research in renewable energy technologies such as solar;
4. Capacity of relevant ministries strengthened in energy mix policy formulation





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UNESCO Office in charge of the project implementation:
UNESCO Office in Yaounde

Responsible Person :
Mr Salah Khala

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