



Biodiversity Offsetting and Supporting Conservation Actions

Earth Systems is experienced in developing biodiversity offset plans and supporting conservation actions that protect or enhance biodiversity and meet the needs of the project, regulators and other stakeholders. Our approach to biodiversity offsetting enables organisations to demonstrate that project implementation can result in 'no net loss' or 'net gain' of biodiversity. This is a valuable tool for projects in areas with high biodiversity risk.

Biodiversity offsets are measurable conservation outcomes that compensate for significant adverse impacts on biodiversity after avoidance and mitigation measures have been applied. They are based on quantifying biodiversity losses from a project and balancing these with gains achieved through offset actions.

A commitment to 'no net loss' of biodiversity can create a range of project benefits, including stronger competitiveness, access to finance, improved relationships with regulators and other stakeholders, increased likelihood of project approval, and reduced risk of delays or unexpected costs. Earth Systems has experience in offsetting in many countries, with particular expertise in calculating offset requirements, developing offset plans, and the offset purchasing process.

Earth Systems leads projects through all stages of the mitigation hierarchy, which includes avoiding, minimising, restoring and, finally, offsetting negative impacts to biodiversity. We strongly recommend the early integration of biodiversity assessments into project development to minimise the requirement for offsets and to maximise offset success. As there is no single approach to designing and implementing offsets, Earth Systems works with clients to tailor pragmatic and robust offset strategies, management plans and monitoring programs. These strategies and programs can be integrated into a Biodiversity Action Plan.

SERVICES PROVIDED

For projects that do not require offsets or to achieve 'no net loss' of biodiversity, but aim to maintain good practice, Earth Systems can develop a range of supporting biodiversity conservation actions. Examples of supporting conservation actions include education programs, conservation initiatives and research. Although these actions do not fulfill international offsetting criteria, they have the potential to benefit biodiversity values.

PROJECTS AND SERVICES PROVIDED

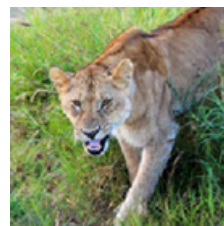
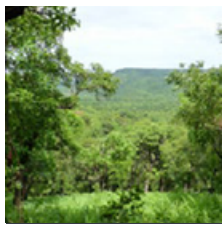
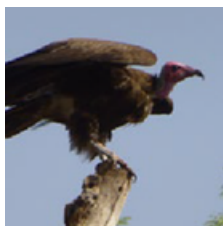
Earth Systems will tailor products and services to a project's needs, including:

- Biodiversity offset strategies and management plans tailored to the project and regulatory requirements, including IFC Performance Standard 6 (when required).
- Supporting conservation actions.
- Monitoring programs to assess the efficacy of offsets.
- Stakeholder consultation and partnership building, which are vital for the success of offset strategies.
- Biodiversity Action Plans.
- Carbon accounting of biodiversity initiatives

PROJECT EXPERIENCE INCLUDES

Earth Systems has developed and implemented Biodiversity Action Plans, offset strategies, supporting conservation actions and monitoring programs for numerous projects, including:

- Mining projects in Africa, Asia and Australia
- Electricity transmission, hydropower and mining projects in Asia.
- Road and infrastructure projects in Asia, Australia and Africa.
- Forestry and agricultural projects in Africa and Asia



earthsystemsglobal.com

AUSTRALIA

enviro@earthsystems.com.au

MELBOURNE
4/290 Salmon Street, Port
Melbourne, VIC 3207
+61 3 9810 7500

PERTH

BRISBANE

EUROPE

enviro@earthsystemseurope.com

BRISTOL
Generator Building,
Counterslip, Bristol BS1 6BX,
United Kingdom
+44 117 373 6153

AFRICA

enviro@earthsystemsafrika.com

DAKAR
3ème étage
M&M Plaza, 5th
floor 24W3 +JCW,
Route de
l'aéroport Ngor,
Dakar Senegal
+221 3386 83023

KIGALI
M&M Plaza, 5th
floor 24W3 +JCW,
KG 8 Ave, Kigali,
Rwanda
+250 787 807 499

ASIA

enviro@earthsystemsasia.com

ABIDJAN
II Plateaux Vallon,
Sainte Cécile, Lot
219, Cocody-Abidjan,
Cote d'Ivoire
+225 07 89 92 71 13

VIENTIANE
Suite 801, Kolao
Tower II, 23 Singha
Road, Ban Nongbone,
Vientiane, Lao PDR
+856 (0)21 454 434

HANOI
5th Floor, No. 85 Nguyen
Du Street, Hai Ba Trung
District, Hanoi, Vietnam
+84 (0)28 3535 8200

COLOMBO

CHINA

enviro@earthsystems.com.cn

SHANGHAI
Room 1105, Jing'an
China Mansion 1701
West Beijing Road
Shanghai, China
+86 216 887 2968