

缩略词和缩写词 (译者: 为方便中文读者阅读, 缩略缩写词在译文中基本未采用)

AIIB	Asian Infrastructure Investment Bank 亚洲基础设施投资银行
A.P.E.S.	Ape Populations, Environments and Surveys 类人猿种群、环境和调查
AWA	Animal Welfare Act 《动物福利法》
AWF	African Wildlife Foundation 非洲野生动物基金会
AZA	Association of Zoos and Aquariums 动物园和水族馆协会
B - K	Blangkejeren-Kutacane
BAP	biodiversity action plan 生物多样性行动计划
BEGES	Bureau d' Etudes Specialise en Gestion Environnementale et Social 环境和社会管理咨询公司
BOSF	Borneo Orangutan Survival Foundation 婆罗洲猩猩存续基金会
BP	bank procedures 银行程序
BUPAC	Bili-Uele Protected Area Complex 比利-韦莱保护区综合体
CAP	conservation action plan 自然保护行动计划
CAR	Central African Republic 中非共和国
CBG	Compagnie des Bauxites de Guinee 几内亚铝土公司
CI	Cellule Infrastructures 基础设施局
CIA	cumulative impact assessment 累计影响评价
CITES	Convention on International Trade in Endangered Species of Wild 《濒危野生动植物种国际贸易公约》
cm	centimeter 厘米
DDNP	Deng Deng National Park 登登国家公园
DFID	United Kingdom Department for International Development 英国国际发展部
DNA	deoxyribonucleic acid 脱氧核糖核酸 (DNA)
DOPA	Digital Observatory for Protected Areas 保护区数字化观测站
DRC	Democratic Republic of Congo 刚果民主共和国
DSEZ	Dawei Special Economic Zone 土瓦经济特区
EAZA	European Association of Zoos and Aquaria 欧洲动物园和水族馆协会
EIA	environmental impact assessment 环境影响评价
ESAP	environmental and social advisory panel 环境和社会顾问专家组
ESIA	environmental and social impact assessment 环境和社会影响评价
FCFA	Franc Communauté Financière Africaine (Central African franc) 非洲金融共同体法郎 (中非法郎)
FFI	Fauna and Flora International 野生动植物保护国际
FOIA	Freedom of Information Act 《信息自由法》
FPIC	free, prior and informed consent 自由事先知情同意
FPP	Forest Peoples Programme 森林人民项目组织
FSC	Forestry Stewardship Council 森林管理委员会
GAC	Guinea Alumina Corporation 几内亚铝业公司
GEI	Global Environmental Institute 全球环境研究所

GFAS	Global Federation of Animal Sanctuaries 全球动物养护所联盟
GFW	Global Forest Watch 全球森林观察
GLAD	Global Land Analysis and Discovery 全球土地分析和发现
GLNP	Gunung Leuser National Park 勒赛尔山国家公园
GP	good practice 良好实践
GRand Database	Database Global Reservoir and Dam Database 全球蓄水库和水坝数据库
gROADS	Global Roads Open Access Data Set 全球道路公开访问数据组
GW	gigawatt 吉瓦
I - R - K	Ilagala - Rukoma - Kashagulu
IAR	International Animal Rescue 国际动物救助
ICCN	Institut Congolais pour la Conservation de la Nature 刚果自然保护学会
IFC	International Finance Corporation 国际金融公司
IGCP	International Gorilla Conservation Programme 国际大猩猩保护项目
IHA	International Hydropower Association 国际水电协会
IIED	International Institute for Environment and Development 国际环境与发展研究所
IUCN	International Union for Conservation of Nature 世界自然保护联盟
ha	hectare 公顷
HKU	University of Hong Kong 香港大学
HSUS	Humane Society of the United States 美国人道协会
km	kilometer 公里
km²	square kilometer 平方公里
kV	kilovolt 千伏
ILO	International Labour Organization 国际劳工组织
JRC	European Commission Joint Research Centre 欧洲委员会联合研究中心
KBNP	Kahuzi-Biega National Park Kahuzi-Biega国家公园
kg	kilogram 公斤
KNU	Karen National Union 克伦民族联盟
Lao PDR	老挝人民民主共和国
LAPSSET	Lamu Port, South Sudan, Ethiopia Transport (corridor) 拉姆港、南苏丹、埃塞俄比亚交通 (走廊)
LPHP	Lom Pangar Hydropower Project 隆潘卡尔水电项目
LRA	Lord's Resistance Army 圣灵抵抗军
m	meter 米
MAAP	Monitoring of the Andean Amazon Project 安第斯山亚马逊监测项目
MDB	multilateral development bank 多边开发银行
MMNP	Mahale Mountains National Park Mahale山地国家公园
MW	megawatt 兆瓦
MYR	Malaysian ringgit 马来西亚林吉特
NCR	native customary rights 原住民习俗地权利
NGO	non-governmental organization 非政府组织
OP	operational policy 作业政策
OSM	OpenStreetMap
OVAG	Orangutan Veterinary Advisory Group 猩猩兽医顾问小组

PA	protected area 保护区
PAD	project appraisal document 项目审评文件
PADDD	protected area downgrading, downsizing and degazettement 保护区降级、缩小和取消
PASA	Pan African Sanctuary Alliance 泛非洲养护所联盟
Pro-Routes	High-Priority Roads Reopening and Maintenance 高优先道路重新开放和维护
RAEL	Renewable and Appropriate Energy Laboratory 可再生和适当能源实验室
REDD	Reducing Emissions from Deforestation and Forest Degradation 减少森林砍伐和森林恶化导致的排放
RRI	Rights and Resources Initiative 权利和资源倡议行动
RSP0	Roundtable on Sustainable Palm Oil 可持续棕榈油圆桌倡议组织
Save Rivers	Save Sarawak Rivers Network 拯救沙捞越河流网络
SCORE	Sarawak Corridor of Renewable Energy 沙捞越可再生能源走廊
SEB	Sarawak Energy Berhad 沙捞越能源有限公司
sp.	species (singular) 物种 (单数)
spp.	species (plural) 物种 (复数)
SSP	Species Survival Plan 物种存续计划
TANROADS	Tanzania National Roads Agency 坦桑尼亚国家道路管理局
TBC	The Biodiversity Consultancy 生物多样性顾问公司
TCL	tiger conservation landscape 老虎保护区景观
TH - L	Tamang Hulu - Lokop
THV	terrestrial herbaceous vegetation 陆生草本植物
TNC	The Nature Conservancy 大自然保护协会
TRIDOM	Tri-National Dja - Odzala - Mink é b é
UGM	Universitas Gadjah Mada (university) 加札马达大学 (大学)
UNEP	United Nations Environment Programme 联合国环境规划署
UNEP-WCMC	United Nations Environment Programme World Conservation Monitoring Centre 联合国环境规划署数据自然保护监测中心
UNESCO	United Nations Education, Science and Culture Organization 联合国教育、科学和文化组织
WARN	Wild Animal Rescue Network 野生动物拯救网络
WB	World Bank 世界银行
WCS	Wildlife Conservation Society 野生动物保护学会
WISER	World Indigenous Summit on Environment and Rivers 世界环境和河流土著峰会
WWF	World Wide Fund for Nature/World Wildlife Fund 世界自然基金会

词汇表

算法 (Algorithm)：完成计算、数据处理和自动推理等任务遵循的一套指示或规则。

替代能源 (Alternative energy)：从非化石燃料来源获得的可使用能源，常常是为了避免污染和温室气体排放。另见**清洁能源 (clean energy)**和**可再生能源 (renewable energy)**。

人类世 (Anthropocene)：考虑到人类对地球的深刻影响，用来指当前地质年代的流行词。2000年，大气化学家Paul Crutzen推动了术语的流行，2016年，国际地质科学联合会一个专门工作组建议采用这个术语。学者们对人类世的起始时间有不同意见，最早的建议从8,000年前算起，最晚的建议从大约1950年算起。

ArcGIS台式机 (ArcGIS Desktop)：Esri制作的一个绘图和空间数据分析应用。

ArcGIS在线 (ArcGIS Online)：Esri开发的一个基于互联网的绘图平台，使使用者能访问、创建和分享地图、情景、应用、叠层、分析学和空间数据。见：www.esri.com/software/arcgis/arcgisonline。

生态系统服务人工智能 (Artificial Intelligence for Ecosystem Services (ARIES))：支持基于科学的决策的一套计算机模型，用于促进环境可持续性。见：aries.integratedmodelling.org。

东南亚国家联盟遗产保护区 (Association of Southeast Asian Nations (ASEAN) Heritage Parks)：在东盟 (文莱、柬埔寨、印度尼西亚、老挝、马来西亚、缅甸、菲律宾、新加坡、泰国、越南)，因丰富生物多样性被指定为自然保护区的区域；37个地点中，有4个也是联合国教科文组织世界遗产保护区。

基荷需求 (Base-load demand)：运行总是使用中的设施、电子设备和电器的电力，比如医院和电冰箱。这不同于峰荷需求，峰荷需求是运行可以开启和关闭的电器和机器所需的电力，比如计算机、电视机。

行为丰富 (Behavioral enrichment)：用来建立和支持针对具体物种的自然行为并减少反常行为的情景或刺激，目的是增加人工饲养动物的心理和生理福利。

两次成熟 (Bimaturism)：一个物种或性别在不同阶段或时间有不同特征的发育；针对猩猩，成熟雄性有颊垫或者无颊垫 (见有颊垫(flanged))。

必应地图 (Bing Maps)：一个在线地图服务，是微软必应搜索引擎的一部分，提供全世界直线投射的空中和卫星图像。见：www.bing.com/maps。

生物多样性 (Biodiversity)：地球上或在在一个特定栖息地的各种植物和动物。

生物多样性热点 (Biodiversity hotspot)：受到破坏威胁的重要生物多样性群落。

生物群 (Biota)：一个特定区域的植物和动物。

血钻 (Blood diamond)：在战争区域开采的钻石，出售用于为叛乱、入侵军队的战争或军阀活动供资。

血色黄金 (Blood gold)：奴役或以其他方式迫害人群开采的黄金，包括被残暴对待的刚果人和南非贫困的非法矿工。

兴衰周期 (Boom-and-bust cycle)：经济发展和收缩的轮换期间。工商业活动增加，比如与一种宝贵的自然资源的开采相关，随后该资源的价格猛烈下跌、过度开采、失业猛增、投资者回报减少。

荡越前进 (Brachiation)：树栖性移动方式，完全依赖胳膊驱动身体前进。相关术语：双臂交互攀援 (brachiate)。

集水区 (Catchment) : 自然景观收集雨水或其他降水的农村或城市区域。它逐渐汇入一个共同的出口, 比如河流、港湾或另一个水体。也称为河流流域或分水岭。

循环经济 (Circular economy) : 一种经济模式, 目标是把废物变成资源, 弥补生产和消费之间的差距。

清洁能源 (Clean energy) : 使用没有或者很少污染或温室气体排放条件下生产的能源, 比如来自阳光、风、生物质和潮汐等可再生来源的能源。它不同于“脏”的能源来源, 比如化石燃料 (煤炭、天然气和石油)。不是所有的水电和地热都是清洁能源。另见**替代能源 (alternative energy)** 和**可再生能源 (renewable energy)**。

更清洁生产 (Cleaner production) : 持续使用提高效率、减少环境风险策略的流程和服务。

云计算 (或云技术) (Cloud computing (or cloud technology)) : 使用在互联网上的远程服务器网络, 储存、管理和处理数据。

同种 (Conspecific) : 同一物种的一个成员。

核心区域 (Core area) : 一个小群或个体的家域中使用最多的部分。

廊道 (Corridor) : 见**野生动物廊道 (Wildlife Corridor)**。

成本收益分析 (Cost-benefit analysis) : 加总一个给定情形或行动的益处、减去相应成本的流程; 也可以把机会成本考虑进去。

工程造价 (Cost engineering) : 使用估算、成本控制、成本预测、投资评价和风险分析等方式, 管理项目成本的做法。

至关重要栖息地 (Critical habitat) : 具有高生物多样性价值的区域。国际金融公司对它的定义是: 对极危、濒危、当地特有或狭布物种有显著重要性的栖息地; 支持迁徙物种或聚居物种的全球性重要集中的栖息地; 受到高度威胁或独特的生态系统; 或与重要进化进程相关的区域 (IFC, 2012a, p. 4)。

极危 (Critically endangered) : 面临野外绝灭极高风险。

累计影响 (Cumulative impact) : 一个项目逐步增加的影响, 加上在部分选定区域其他开发 (比如基础设施、采掘业或农业活动) 过去、现在和未来可预见的影响。

累计影响评价 (Cumulative impact assessment (CIA)) : 考虑到过去、当前和可预见的人类活动一段时间对某个地方的环境、经济和社会的综合影响的评估。

对土地的惯常所有权 (Customary title to land) : 认识到一个社区对一个土地区域的进入、使用和控制权, 一般基于长期形成的传统规律或规范。惯常保有森林和社区领地属于这一类别。惯常或国际法律可能是这类所有权的来源, 尤其是如果相关权利没有在一个国家的成文法规中规定的话。

落叶性 (Deciduous) : 与一年中部分时间叶子会掉落的树木相关的。

退役 (Decommissioning) : 针对水坝, 完全退役是完全拆除水坝; 部分退役是部分拆除水坝。

放权的管理承包商 (Delegated management contractor) : 受雇代表国家或其他利益攸关方实施一个开发项目的具体方面的公共或私人实体。

震慑 (Deterrent) : 规劝未来不违反法律的既定惩罚或其他措施。

开发商 (Developer) : 在基础设施的上下文里, 承担与开发一个项目相关的各种任务的公司, 比如规划、供资、工程、建设、聘请和管理估价员、遵守法规、与伙伴协调等。

开发走廊 (Development corridor) : 大型综合基础设施为特征的一个区域, 比如平行的硬面道路、铁路、输电线路和天然气管道, 为的是打开区域使之接受更多经济活动和土地使用, 比如非洲和发展中世界的其他地区。

二色性 (Dichromatic) : 显示两种颜色图案, 与性别和年龄无关。

DigitalGlobe: 一家商业性供应商, 提供高清晰度的卫星图像和地理空间内容。见: www.digitalglobe.com。

com。

保护区数字化观测站 (Digital Observatory for Protected Areas (DOPA))：保护区及其特征的全球数据库，由欧洲委员会联合研究中心管理。见：dopa.jrc.ec.europa.eu。

二态性 (Dimorphic)：有两种不同的形态。

龙脑香树 (Dipterocarp)：一种**龙脑香科**高大的硬木树，主要生长在亚洲热带雨林，是宝贵的木材、芳香油和树脂的来源。

可分派可再生电力 (Dispatchable renewables)：可再生电力，其产量可以调整，满足需求。

扩散性别 (Dispersing sex)：雄性或雌性类人猿，在达到性成熟后，离开出生地，建立自己的家域。

昼行性 (Diurnal)：白天的，在白天活动的。

下游 (Downstream)：靠近河口。

生态系统代表性 (Ecosystem representativeness)：一个生态系统单位能代表它所属的生物或自然类别的程度，一般按照生物和自然标准评定。在一个保护区内的一个成熟原始热带雨林斑块，对在周围景观内的植被类型可能有高或者低的代表性。

濒危 (Endangered)：面临在野外绝灭的非常高风险。

当地特有的 (Endemic)：一些地方原来就有或者只在这些地方有；土著的。

当地特有 (Endemism)：一个特定地理区域特有。

环境 (和社会) 影响评价 (环评或环社评) (Environmental (and social) impact assessment (EIA 或ESIA))：确定和评价一个项目、开发或政策的潜在环境 (和社会) 影响使用的分析工具。编写环境影响评价 (环境和社会影响评价) 的参数一般在环境 (和社会) 管理框架中规定。环境和社会影响评价，有时候也称为社会和环境影响评价。

环境 (和社会) 管理框架 (Environmental (and social) management framework)：规定在编写和批准某个特定地点的环境 (和社会) 影响评价，或一个开发项目的环境 (和社会) 管理计划时使用什么程序的计划。

环境 (和社会) 管理计划 (Environmental (and social) management plan)：确定一套缓解、管理、监测和制度性措施、解释在一个开发项目的实施和作业阶段如何应用这些措施的指南。这个计划按照环境 (和社会) 管理框架制定，目的是消除、抵消和减少环境 (和社会) 影响评价确定的负面环境 (和社会) 影响。

环境保护功能 (Environmental protection function)：森林或其他生态系统防止或减少破坏性自然事件的影响，对促进一个景观、栖息地、土壤或水文区域，或者维护人类定居点或其他资产的能力。

外部性 (Externality)：与生产或消费不直接相关的一方感受到的一项经济活动的积极或负面后果。

时聚时散 (Fission-fusion)：因为个体时而聚到一起、时而散开，社群的只数和构成是动态的。

有颊垫 (Flanged)：成年雄性猩猩的两个变种之一，另一种“无颊垫”；有颊垫的猩猩特征是有大的面颊肉垫，体型更大，背上有长长的深色毛，有发出“长呼”时使用的喉囊。

洪泛区 (Floodplain)：河流两侧延伸的相对平坦的土地，在大雨或融雪时可能淹没。洪泛区的土壤接受了河流沉积的物质，因此一般营养丰富，是理想的种植区域。

食叶动物 (Folivore)：任何主要吃叶子的动物。相关术语：叶食性的，叶食性。

森林智慧方式 (Forest-smart approach)：使开发投资的益处最大化、对森林和森林生物多样性的负面影响最小化的策略。

自由事先知情同意 (Free, prior and informed consent (FPIC))：对影响其惯常拥有、占用或以其他

方式使用的土地的拟议项目，社区有权给予或不给予同意的权利的原则。这是一项规范性义务，作为允许或开展可能显著影响社区的财产权等实质权利的活动的条件，国家必须寻求获得土著居民（包括依赖森林的土著社区）的同意。虽然对自由事先知情同意没有国际上一致的定义，对其实施也没有任何统一的机制，但是，国际人权文书和其他条约义务授予潜在受到影响的人们对拟议的行动给予或不给予同意的权利。

食果动物 (Frugivore)：任何主要吃果实的动物。相关术语：食果的，食果性。

功能性连接 (Functional connectivity)：分开和分割自然栖息地的土地，促进或妨碍栖息地实现动物移动和完成生态系统功能的程度。另见：**结构性连接 (structural connectivity)**。

二十国集团 (G20)：20个大型经济体的领导人、财政部长和中央银行行长的国际论坛。其成员是8个主要的工业化国家，按由大到小的顺序，分别是美国、日本、德国、英国、法国、意大利、加拿大和俄罗斯；11个新兴市场和更小的工业化国家，分别是阿根廷、澳大利亚、巴西、中国、印度、印度尼西亚、墨西哥、沙特阿拉伯、南非、韩国、土耳其；以及欧洲联盟。

廊道森林 (Gallery forest)：沿着河流或湿地等水体两岸、延伸到非森林景观的狭长森林。另见：**河边森林 (riparian forest)**。

Geobrowser：一款地理网页浏览器，用于通过互联网访问卫星和空中投射影像、海洋测深和其他地理数据，把地球呈现为一个三维球体。

地理信息系统 (Geographic information system (GIS))：使使用者捕捉、存储、操作、分析、管理和呈现空间和地理数据的工具。

地理参照 (Georeferencing)：使地理数据与已知的坐标系统一致的流程，以便对照其他地理数据查看和分析。

吉瓦 (Gigawatt)：电力单位，10亿瓦特。

全球土地分析和发现 (Global Land Analysis & Discovery, GLAD)：马里兰州大学地理科学系的一个实验室，调查全球土地表面变化的方法、原因和影响。它的主要数据来源是地球观测图像；主要关注点是土地覆被程度。见：glad.geog.umd.edu。

全球通达地图 (Global Accessibility Map)：一款绘图工具，用来估计从地球上任何一点到达超过50,000人口的最近城市的旅行时间。它由欧洲委员会联合研究中心开发，2008年由世界银行首次发布，可以代表农村人口获得城市区域服务和资源的能力。见：forobs.jrc.ec.europa.eu/products/gam。另见：**无道路森林 (Roadless Forest)**。

全球森林观察 (Global Forest Watch (GFW))：世界自然研究所的一个开放访问的倡议行动，提供一系列遥感和其他数据库，用于全球监测森林。见：www.globalforestwatch.org。

全球定位系统 (Global Positioning System (GPS))：美国拥有的工具，使使用者能获得定位、导航和时间服务。美国空军维护和开发这个用途。

全球无道路区域地图 (Global Roadfree Areas Map)：在**无道路**倡议行动支持下，2012年谷歌、自然保护生物学会、欧洲议会协作发起，评价所有保护区的现状、质量和覆盖广度。见：roadfree.org。

全球路线图 (Global Roadmap)：环境科学家、地理学家、规划者和农业专家联盟开展的一项倡议行动，目的是改善道路规划，减少道路的环境影响，把新的道路建设和道路改进限制在道路带来最大社会和经济福利的地方，协助环境管理者更好地规划道路和对道路进行优先排序，向普通公众宣传规划差的道路和交通项目的环境风险。见：www.global-roadmap.org。

全球道路公开访问数据集 (Global Roads Open Access Data Set (gROADS))：一个免费可获得的道路数据集。因为横向上的准确性限制（±2公里），限制了它只能用于普通比较。见：sedac.ciesin.columbia.edu/data/set/groads-global-roads-open-access-v1。

GLOBIO工具 (GLOBIO tool)：为了促进环境评价和提供政策支持，这个全球生物多样性模型用于评估人类活动过去、现在和将来对生物多样性的影响。见：www.globio.info。

谷歌地球 (Google Earth) : 谷歌2005年发布的一款地球浏览器。见: www.google.com/earth/index.html。

谷歌地球引擎 (Google Earth Engine) : 一个云计算平台, 处理卫星图像和其他地球观测数据, 分析地理空间信息。它提供对很多类卫星图像的访问, 以及分析这些图像所需的计算能力。见: earthengine.google.com。

谷歌地图 (Google Maps) : 2005年发布, 这个在线地图服务提供卫星图像、街道地图、街道全景、交通状况信息和道路规划信息。城市中心的数据比较全面, 农村地区的数据更多成斑块状。见: maps.google.com。

绿色采购 (Green procurement) : 购买导致最少负面环境影响的产品和服务。这一方式把人类健康和环境关切纳入搜索有竞争力价格的高质量产品和服务。

实地状况 (Ground truth) : 在当地收集的实证的信息, 而不是通过卫星图像等其他渠道推断的信息。

栖息地 (Habitat) : 动物、植物或其他生物的自然和要求的的环境

食草动物 (Herbivore) : 任何吃植物的动物。相关术语: 实草的, 食草性。

家域 (Home range) : 一只个体或小群规律使用的区域, 并且针对领地性物种, 会护卫这片区域防止其他个体或小群使用。这个词不应与**类人猿分布区**混淆。后者指的是每个类人猿物种的分布广度, 见面向读者的注释, 页码ix。

杂交 (Hybrid) : 两个植物或动物不同物种或种类的后代; 两个不同元素结合的产物。

水文连接 (Hydrological connectivity) : 水, 以及水中的生物、物质和能量, 按照自然时间表完成水文周期的自由流动的能力, 包括沿着纵向 (河流长度)、横向 (洪泛区) 和垂直方向 (地下水) 和在这些方向之间的流动。

蓄水库 (Impounding reservoir) : 在自然河道上建设水坝, 使水在水坝后面升高形成的人工湖。

蓄水 (Impoundment) : 在蓄水库或其他储水区把水汇集起来。

土著的 (Indigenous) : 来自某个地方或在某个地方自然发生的。

引发的进出 (Induced access) : 与项目相关的对一个景观的蚕食。

杀婴 (Infanticide) : 杀死婴儿的行为。

供工商业使用的综合生物多样性评价工具 (Integrated Biodiversity Assessment Tool (IBAT) for Business) : 供获得生物多样性信息的数据库, 包括关键生物多样性区域和法律保护区。通过一个互动的绘图工具, 决策者能确定一个项目界限内的生物多样性风险和机会。见: www.ibatforbusiness.org。

对生态系统服务和利弊的综合估值 (Integrated Valuation of Ecosystem Services and Tradeoffs (InVEST)) : 用于确定和估算来自大自然的商品和服务的价值的开放代码软件模型。见: www.naturalcapitalproject.org/invest。

生育间隔 (Interbirth interval) : 生物学确定的两次生育之间的时间段。

喀斯特 (Karst) : 石灰石、白云石、石膏等可溶解岩石消融形成的景观, 其特征是落水洞、漏斗、溶洞等地下排水系统。

关键物种 (Keystone species) : 对生态系统的功能运行起到至关重要作用的物种, 它的有无和角色对该生态系统内的其他生物有格外大影响。

地球资源卫星图像 (Landsat imagery) : 地球资源卫星项目的六颗卫星中任何一颗卫星获得的中等清晰度 (30米 x 30米) 的卫星图像。从United States Geological Survey Earth Explorer网站, 可以免费查看和下载地球资源卫星的图像。见: earthexplorer.usgs.gov。

地球资源卫星项目 (Landsat program) : 一项通过卫星捕捉地球图像的时间最长的努力。1972年启动以来, 该项目的卫星已经获得了几百万张图像。另见: **地球资源卫星图像**和**地球资源卫星主题绘图**。

地球资源卫星主题绘图 (Landsat Thematic Mapper) : 在**地球资源卫星项目**的一颗卫星上安放的观察地球的遥感器。主题绘图有七个波段的图像数据 (看得见的波长和红外线波长), 大部分清晰度为30米。增强的主题绘图加 (Enhanced Thematic Mapper Plus) 遥感器, 包括第八个 (全色的) 波段, 空间分辨率为15米, 安装在1999年成功发射升空的7号地球资源卫星上。另见: **地球资源卫星图像 (Landsat imagery)**。

景观指标 (Landscape metrics) : 对一片土地区域的一个或多个部分的测量指标, 比如森林或交叉分布区域的斑块, 用于量化构成和空间配置, 包括森林面积和分隔。

伐木道路 (Logging Roads) : 这个倡议行动把**OpenStreetMap**和卫星图像结合起来, 绘制伐木道路地图并提供日期, 尤其是在刚果盆地。见: loggingroads.org。

大结果 (Mast fruiting) : 大量树木每2到10年同时结果, 在温度或降雨方面没有任何季节性变化。

兆瓦 (Megawatt) : 电力单位, 100万瓦特。

集合种群 (Metapopulation) : 同一物种的一组空间上分开、在一定程度上互动的种群。

短盖属 (Miombo) : 一种类似橡树的树 (短盖属); 东部和南部非洲这类树木为主的稀树草原林地。

缓解 (Mitigation) : 把一种情况或结果变得不那么严重的行为。

缓解等级 (Mitigation hierarchy) : 用于限制开发项目对生物多样性的负面影响的工具。

单一树种为主的森林 (Monodominant forest) : 一种树占树冠层60%以上的森林。

一夫一妻制 (Monogamy) : 长时间维持一个配偶的做法。

形态 (Morph) : 一种生物或物种的一个明确形态。

My DigitalGlobe: 一款基于网页的应用, 使用者可以查看、分析和下载DigitalGlobe的高清卫星图像。见: services.digitalglobe.com/myDigitalGlobe。

国家战略区 (National strategic areas) : 按照印度尼西亚2007年空间规划法律确定的生物多样性丰富的国内自然保护区。为了保护生态系统、遏制政府官员寻租, 该法律规定, 参与或促进在这些地方的非法活动的个人将被追究刑事责任。

自然资源管理 (Natural resource management) : 应用科学和技术原则, 控制土地、水、土壤、植物和动物等自然资源, 以满足生态、经济、社会和政策目标。

净收益 (Net gain) : 在生态上下文中, 在一个开发项目和应用有针对性的自然保护措施后, 生物多样性出现的积极结果。

无森林砍伐 (No deforestation) : 保护森林和泥炭土地、同时使作业对生物多样性和当地社区的影响最小化的公司政策。实施这项政策要求在清理任何土地前, 评价高自然保护价值的森林区域。相关术语: 零森林砍伐 (zero deforestation)。

无净损失 (No net loss) : 在生态上下文中, 在一个开发项目和有针对性的自然保护活动后, 总体上避免生物多样性和生态系统服务损失的结果。这个术语常用于**缓解等级**。

补偿 (Offset) : 补偿一个开发项目带来的生物多样性损失。

自然保护实践的开放性标准 (Open Standards for the Practice of Conservation) : 世界各地的政府和非政府组织为了协作和系统地保护植物和动物采用的适应性规划框架。见: cmp-openstandards.org。

OpenStreetMap (OSM) : 2004年发布, 这个免费、可编辑的世界地图由注册会员持续更新。OSM的数据汇入**Roadless Forest**和**Logging Roads**绘图举措等聚焦环境危机的项目。见: www.openstreetmap.org。

OpenStreetMap (OSM) Analytics: 2016年发布, 这个平台实现在全球层面跟踪道路和建筑物的绘图活动。见: osm-analytics.org。

乐观偏倚 (Optimism bias) : 低估不良事件发生概率的系统性倾向。

全球突出普遍价值 (Outstanding Universal Value) : 联合国教科文组织用于承认杰出文化或自然重

要性遗产的命名，表明永久保护它对国际社会最重要。

病原体 (Pathogen) : 会导致疾病的病毒、细菌或其他微生物。

病原的 (Pathogenic) : 能导致疾病的。

毛皮 (Pelage) : 动物皮毛。

秸秆髓心 (Pith) : 许多植物茎秆和枝条内的海绵状组织。

像素 (Pixel) : 图像中最小的信息单位；遥感数据收集的基本单位。

Planet: 一家商业性供应商，提供高清晰度卫星图像和地理空间内容。见：www.planet.com。

污染避难所 (Pollution haven) : 由于环境限制有限、吸引污染行业的司法管辖区。根据污染避难所假设（或污染避难所效应）提出。

一妻多夫制 (Polyandrous) : 一个雌性与两个或多个雄性的交配制度。

多夫多妻制 (Polygynandrous) : 两个或多个雄性与两个或多个雌性的排他性交配制度。雄性和雌性的数量未必相等。

一夫多妻制 (Polygynous) : 一个雄性与两个或多个雌性的交配制度。

包皮的 (Preputial) : 与阴茎或阴蒂包皮相关的。

项目审评文件 (Project appraisal document (PAD)) : 一个开发项目的全面、持续更新的记录，包括需应对的开发问题、要遵循的技术方式、预期结果、财务规划和预算、总体项目实施和采购计划、监测和评估计划等方面。

保护区降级、缩小和取消 (Protected area downgrading, downsizing and degazettement (PADDD)) : 法律上削减公园和其他保护区的面积或保护状态，一般是为了获得在这些公园的自然资源，或者允许基础设施项目穿越这些公园。

受保护森林 (Protection forest) : 坡度平均至少40°、商业伐木是非法活动的森林区域；以及/或者主要为了对水和土壤移动的有益影响而管理的森林区域；以及/或者为了保护人们或资产不受不稳定自然事件或负面环境影响的森林区域。

雷达 (Radar) : 发送高频电磁波脉冲，从物体上又反射到发射源，从而发现飞机、船只和其他物体的存在、方向、距离和速度的系统。

拉姆萨尔湿地 (Ramsar wetlands) : 按照《湿地公约》，也称为《拉姆萨尔公约》指定的水饱和的土地区域。这项公约是一项政府间条约，规定保护和智慧使用湿地及其资源的国家行动和国际合作框架。

分布区 (Range) : 在“类人猿分布区”上下文里，每个物种分布的广度。分布的广度包括在最短的连续假定边界内含有的一个物种的所有已知种群。有必要指出，在这些边界内的一些区域可能不适合并且未被占用。

减少森林砍伐和森林恶化导致的排放 (Reducing Emissions from Deforestation and Forest Degradation plus (REDD+)) : 超越遏制温室气体排放的一项联合国倡议行动，包括自然保护、可持续管理森林、增强森林碳储量的作用。

回归直线 (Regression line) : 模拟两个变量的关系的一种方式。

野外放归 (Reintroduction) : 在经过人工饲养一段时间后，有管理地把一个生物释放到其自然栖息地。

遥感 (Remote sensing) : 从远距离，一般是从飞行器或卫星上确定、测量和观察物体或区域的科学。

可再生能源 (Renewable energy) : 不同于石油和煤炭等有限的资源，对阳光、地热、潮汐和风使用后，其供应不会枯竭的自然资源形成的可使用能源。另见**替代能源 (alternative energy)** 和**清洁能源 (clean energy)**。

重新安置行动计划 (Resettlement action plan) : 在迁移安置和补偿受到一个基础设施项目影响的人们时, 开发商必须完成的详细的具有法律约束力的策略。

残留影响 (Residual impact) : 在缓解等级上下文中, 实施缓解措施后仍存在的负面影响。

河边 (河岸) 森林 (Riparian (or riverine) forest) : 沿着河流、溪流和湖泊等水体生长的森林。另见: **森林廊道 (gallery forest) 。**

流域开发 (River basin development) : 使用、控制或转换河道网络的要素, 促进经济发展, 常常伴有对水流机制的数量、质量、沉积物负荷、时间和可预测性的显著影响, 比如通过水电开发。

河段 (River reach) : 河流的一段可以与其他段区分, 包括其宽度、栖息地构成、植被覆盖、有水坝或其他结构和其他特征; 明显的河段反映不同的自然资源问题, 予以单独评估。

河流系统 (River system) : 一条河流流动的自然结构, 一般包括流域。

RoadFree: 显示无道路荒野区域对保护生物多样性和减少二氧化碳气体排放的重要性的倡议行动。RoadFree帮助形成了**Global Roadfree Areas Map (全球无道路区域地图)**。见: roadfree.org。

无道路森林 (Roadless Forest) : 为了评估无道路森林的益处, 这项欧洲联盟倡议行动与减少森林干扰导致的非法伐木和二氧化碳排放的欧盟政策强烈相关。为了启迪决策, 它使用**全球通达地图 (Global Accessibility Map)**, 确定哪些区域会最受益于基础设施开发, 并突出对保护区的相关风险。见: roadlessforest.eu。

路边动物园 (Roadside zoo) : 参与商业性展览动物和其他活动的未经认证的动物园或街边游客景点, 可能包括有类人猿。

径流式水力发电方案 (Run-of-river scheme) : 使用河流的流动, 不使用储水式运行的水力发电方案。

养护所 (Sanctuary) : 致力于野生动物孤儿、收缴或受伤的野生动物照顾的非盈利设施。

哨兵 (Sentinels) : 为哥白尼项目的运营需要开发的一系列卫星。哥白尼地球观测项目由欧洲委员会与欧洲航天局合作领导。哨兵卫星提供雷达图像、高清晰度光学图像和数据等观测, 用于监测气体构成和全球海平面高度。

银背 (Silverback) : 达到成熟的成年雄性黑猩猩, 在背部的鞍处长出银色的毛发。

智能绿色基础设施 (Smart green infrastructure) : 避开至关重要栖息地、减轻和缓解对社区和生物多样性负面影响, 对不经意或不可避免的破坏予以赔偿的设施。

空间清晰度 (Spatial resolution) : 数字 (一般为卫星) 图像的详细程度; 常常用米表示, 即图像的最小单位像素的边长。像素面积越小, 或者一个图像内像素个数越多, 空间清晰度越高。卫星图像一般分为三种清晰度类别: 低清晰度 (>30米)、中等栖息地 (2-30米) 和高清晰度 (<2米)

活立木销售 (Standing sale) : 在收获并一般按重量销售前, 按照在森林里活立木木材销售。

搁置资产 (Stranded asset) : 在有用寿命结束前已经变得过时或不良、记录为亏损的经济资源。

结构性连接 (Structural connectivity) : 根据一个区域 (栖息地类型和构成) 的生态特征和在一个景观的连接 (与分割相对) 的景观构成, 不考虑该区域的生物的行为规律。另见: **功能性连接 (functional connectivity) 。**

接近成年的 (Subadult) : 一个个体还没有获得全部成年特征的发育阶段。

可持续发展目标 (Sustainable Development Goals (SDGs)) : 联合国为了终止贫困、保护地球和为所有人创造和平与繁荣制定的17项全球目标。2015年, 联合国大会193个国家通过了可持续发展目标, 到2030年要实现具体目标。

沼泽地森林 (或淡水沼泽地森林) (Swamp forest (or freshwater swamp forest)) : 在水浸的土壤生长的自然森林, 树冠层超过30%。

分布区重叠的 (Sympatric) : 占用相同地理分布区的物种或种群。

种类 (Taxon) : 生物分类科学或分类学使用的任何单位。

太瓦 (Terawatt) : 电力单位, 1万亿瓦特, 或100兆瓦。

无主土地 (Terra nullius) : 在国际法中, 不正式属于任何人或任何国家, 可以通过占有而获得的土地。

陆栖性草本植被 (Terrestrial herbaceous vegetation) : 竹芋科和姜科等作为类人猿主食的草本物种。

陆栖性 (Terrestriality) : 适应在地面生活。

生态系统服务地点评价工具包 (Toolkit for Ecosystem Service Site-based Assessment (TESSA))

: 评估人们从大自然的一个地点获得益处的低成本方法, 用于形成可用于影响决策的信息的指南。

见: tessa.tools。

迁地保护 (Translocation) : 在自然保护中, 把一个生物从一处移到另一处的流程, 不论人工饲养或野外环境。

苏门答腊热带雨林遗产保护区 (Tropical Rainforest Heritage of Sumatra) : 包括印度尼西亚三个国家公园的25,000平方公里 (250万公顷) 自然保护地: Bukit Barisan Selatan、Gunung Leuser (勒赛尔山) 和Kerinci Seblat。这里是许多濒危物种的家园, 包括当地特有的苏门答腊猩猩 (*Pongo abelii*) 。

联合国教科文组织人与生物圈计划保护区 (UNESCO Man and Biosphere Reserve) : 世界各地669个地点中的任何一个, 因同步的自然保护和可持续利用生态系统而受到国际认可。每个保护区有三个相关的区域: 受到严格保护的核心区域; 以促进科学研究、监测、培训和教育的方式利用的缓冲区; 促进可持续人类和经济发展的过渡区。

联合国教科文组织世界遗产保护区 (UNESCO World Heritage site) : 文化和自然重要性得到国际认可的区域, 包括地质和地文构造, 以及构成对科学或自然保护突出价值的濒危动物和植物物种的栖息地的准确划定区域。

上游 (Upstream) : 靠近河流源头。

上游规划 (Upstream planning) : 对一个投资项目的可行性研究、设计、实施和运营的预先目标设定和协调, 一般涉及 (经常是在技术协助下) 政府机构和其他利益攸关方之间的协作。

UrtheCast: 一家地球影像系统公司, 专门从事地理空间分析。它的高清晰度卫星图像在**全球森林观察**上可以获得。见; www.urthecast.com。

集水区 (Watershed) : 水流汇集到一条河流及其支流的一片土地。

断奶 (Wean) : 使一只年幼动物习惯母乳之外的营养品。

湿地 (Wetlands) : 水有时候或者总是高于、平行或接近土壤表面的区域。

野生动物廊道 (Wildlife corridor) : 把两个或多个较大的类似区域连接起来的栖息地, 这样, 使野生动物移动, 支持种群的可独立存续能力, 维护生态进程。廊道可能自然发生, 比如河边的森林, 也可以通过栖息地管理实践进行创建。

零和游戏 (Zero-sum game) : 每个参与者的效用得失完全由其他参与者的效用得失抵消的情况。地球的承载能力是一个零和游戏的说法, 指的是人类消费或恶化的任何土地、食物或资源, 会最终对其他物种或生态系统造成相似的成本。

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