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附录1　欧盟、美国和澳大利亚的适应气候变化的生物多样性保护重要政策汇总

Appendix 1　Summary of key biodiversity conservation policies for climate change adaptation in the European Union (EU), the United States (US) and Australia

国家/地区 Country/region	政策 Policies	颁布时间 Year
欧盟 EU	《气候变化和 Natura 2000 指南》Guidelines on Climate Change and Natura 2000	2013
	《欧盟绿色基础设施战略》EU Green Infrastructure Strategy	2013
	《促进自然、人类和经济的行动计划》An Action Plan for Nature, People and the Economy	2017
	《欧盟 2030 年生物多样性战略》EU Biodiversity Strategy for 2030	2020
	《打造气候韧性的欧洲——欧盟气候变化适应新战略》Forging a Climate-Resilient Europe—the New EU Strategy on Adaptation to Climate Change	2021
	《欧盟传粉昆虫倡议修订版——传粉昆虫新政》Revision of the EU Pollinators Initiative—A New Deal for Pollinators	2023
	《外来入侵物种传入和扩散预防管理条例》Regulation of the Prevention and Management of the Introduction and Spread of Invasive Alien Species	2014
	《自然恢复法案》Nature Restoration Law	2024
美国 US	《国家鱼类、野生动物和植物气候适应战略》National Fish, Wildlife & Plants Climate Adaptation Strategy	2012
	《国家野生动物庇护区系统气候变化规划》Planning for Climate Change on the National Wildlife Refuge System	2014
	《内政部气候行动计划》Department of the Interior Climate Action Plan	2021
	《保护与恢复美丽美国 2021》Conserving and Restoring America the Beautiful 2021	2021
	《入侵物种战略计划(2021–2025 年)》United States Department of the Interior Invasive Species Strategic Plan 2021–2025	2021
	《国家气候韧性框架》National Climate Resilience Framework	2023
	《海洋气候行动计划》Ocean Climate Action Plan	2023
澳大利亚 Australia	《生物多样性和气候变化国家行动计划(2004–2007 年)》National Biodiversity and Climate Change Action Plan 2004–2007	2004
	《国家气候变化适应框架》National Climate Change Adaptation Framework	2007
	《澳大利亚国家保护区体系战略(2009–2030 年)》Australia's Strategy for the National Reserve System 2009–2030	2009
	《国家野生动物廊道计划: 景观保护框架》National Wildlife Corridors Plan: A Framework for Landscape-scale Conservation	2012
	《澳大利亚自然战略(2019–2030 年)》Australia’s Strategy for Nature 2019–2030	2019
	《国家气候韧性和适应战略(2021–2025 年)》National Climate Resilience and Adaptation Strategy 2021–2025	2021
	《受威胁物种战略(2021–2031 年)》Threatened Species Strategy 2021–2031	2021
	《受威胁物种行动计划(2022–2032 年)》Threatened Species Action Plan 2022–2032	2022
	《澳大利亚自然战略(2024–2030 年)》Australia’s Strategy for Nature 2024–2030	2024

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附录2　适应气候变化的生物多样性保护政策关键词分类

Appendix 2　Classification of keywords in biodiversity conservation policies for climate change adaptation

关键词类别 Keyword categories	关键词 Keywords	关键词原文 Original keywords
将气候变化纳入保护管理计划 Incorporate climate change into conservation management plans	将气候变化纳入保护管理计划	Incorporate climate change into conservation management plans and natural resource management plans
基于生态系统的方法 Ecosystem-based approaches	基于生态系统的方法	Ecosystem-based approaches
适应性管理 Adaptive management	适应性管理	Adaptive management
气候风险及其管理 Climate risks and management	研究气候变化的影响	Research on climate impacts
	基于风险的保护规划	Risk-based conservation planning
	识别和保护可成为受威胁物种避难所的地区	Identify and conserve places that will be refugia for threatened species
	识别具有气候韧性的区域	Identify climate-resilient areas
	开发和应用针对特定物种的管理方法	Develop and apply species-specific management approaches
建立廊道和加强连通性 Establish corridors and enhance connectivity	构建生态连通的保护区域网络	Establish an ecologically connected network of conservation areas
	建立野生动物廊道网络	Establish a network of wildlife corridors
	绿色/生态走廊	Green/ecological corridors
	保护和恢复野生动物/栖息地廊道	Protect and restore wildlife/habitat corridors
	增强或恢复生态连通性	Enhance or improve ecological connectivity
	连通保护地	Connect protected areas
	建立新的生态连接	Establish new ecological connections
	在道路上方和下方修建野生动物通道	Construct wildlife crossings over and below busy roads
	建设鱼类通道及恢复水体连通性	Construct fish passage and restore aquatic connectivity
	维持地表和地下水系统的自然流动	Maintain natural flows of both surface and groundwater systems
生态系统保护、恢复和管理 Ecosystem conservation, restoration and management	生态系统恢复	Ecosystem restoration
	生态系统管理	Ecosystem management
	保护生态系统	Protect ecosystems
	荒野保护	Wilderness preservation
建立和扩大保护地 Establish and expand protected areas	建立缓冲区	Create buffer zones
	扩大栖息地	Expand habitats
	建立保护地	Establish protected areas
	扩大保护地	Expand protected areas
	保护国家重要景观	Preserve Nationally significant landscapes
	建立国家保护地体系	Establish the National Reserve System
减少威胁 Reduce threats	入侵物种研究调查和应对	Research, investigation and measures on invasive species
	避免、减少和扭转生态系统/土地退化和栖息地损失	Avoid, reduce and reverse ecosystem/land degradation and habitat loss
	减少破坏性捕捞实践、过度捕捞和非法贸易	Reduce destructive capture practices, over-harvesting and illegal trade
	在生物多样性保护管理地区管理干扰	Manage disturbance regimes (fires, floods, invasive species) in areas managed for biodiversity conservation
可持续管理和发展 Sustainable management and development	森林和农田可持续管理	Sustainably manage forests and farmland
	绿色和蓝色基础设施	Green and blue infrastructure
灾害管理 Disaster management	防火减灾与管理	Fire mitigation and management
	应对干旱、火灾及沿海洪水等气候变化影响	Address climate change impacts including drought, wildfire and coastal flooding

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关键词类别 Keyword categories	关键词 Keywords	关键词原文 Original keywords
辅助定居和扩散 Assisted colonization	将受威胁和濒危物种引入其历史分布区以外的适宜栖息地	Introduce threatened and endangered species to suitable habitats outside their historical ranges (translocation)
	辅助物种定居	Assisted colonization
其他措施 Other measures	维持生态适宜的火管理制度	Maintain ecologically appropriate fire regimes
	实施国家种质资源战略	Implement National Seed Strategy