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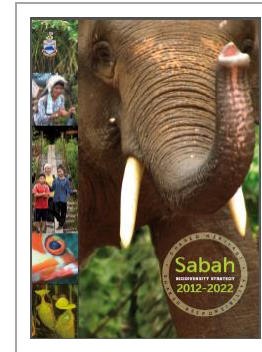
Review of the Sabah Biodiversity Strategy 2012-2022



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Introduction



The Sabah Biodiversity Strategy (SBS) 2012-2022 is a ten-year strategy that charts Sabah's commitment and contribution to fulfil the pledge made by Malaysia to implement the Convention on Biological Diversity (CBD), 1992.

The SBS was prepared taking into cognisance the National Policy on Biological Diversity, 1998 that seeks to conserve Malaysia's biological diversity and to ensure that its components are utilised in a sustainable manner for the continued progress and socio-economic development of the nation.

In May of 2016, a review of the first phase (2013-2015) was completed to assess the progress of the implementation of proposed SBS activities and provides updates for the next stage of implementation.

The SBS is now in its second phase of implementation from 2016 to 2018. There is now an opportunity to reignite interest in the SBS, in tandem with the launching of the National Policy on Biological Diversity, 2016-2025. This will also exemplify the State's commitment and progress as the first state in the country to have an existing biodiversity conservation plan in place.

Goals

GOAL 1

By 2022, we would have engaged with and harnessed the commitment of all stakeholder groups to ensure our biodiversity is protected

GOAL 2

By 2022, we would have significantly reduced direct and indirect pressures on biodiversity

GOAL 3

By 2022, all of our key ecosystems, species and genetic diversity are protected and well managed

GOAL 4

By 2022, our understanding of biodiversity and ecosystem services have significantly improved to enable a more effective management of our resources

GOAL 5

By 2022, all stakeholder groups will have the necessary capacity to conserve biodiversity

Targets

Target 1.1: By 2022, the people of Sabah are aware of the values of biodiversity and the steps they can take to conserve and use it wisely.

Target 1.2: By 2022, public participation in biodiversity conservation initiatives has increased by 200% compared to the present levels.

Target 1.3: By 2022, land that is managed as ICCAs has increased significantly

Target 2.1: By 2022, the agriculture sector would have implemented good management practices to reduce pressure on biodiversity.

Target 2.2: By 2022, all resources extraction activities are properly planned and executed in a manner that minimised pressures on biodiversity.

Target 2.3: By 2022, all activities that are dependent on biodiversity have instituted sufficient safeguards to reduce their impacts.

Target 3.1: By 2022, our protected areas network has been significantly strengthened with at least 20% of terrestrial areas and 5% of coastal and marine areas fully protected.

Target 3.2: By 2022, key habitats are fully protected.

Target 3.3 By 2022, key wildlife and plant species are fully protected.

Target 4.1: By 2022, Sabah is recognised as a centre of excellence for biodiversity research.

Target 4.2: By 2022, the traditional ecological knowledge of indigenous communities in Sabah has been adequately conserved.

Target 5.1: By 2022, the capacities of state institutions have been adequately enhanced to enable them to effectively manage biodiversity.

Target 5.2: By 2022, civil society organisations and local communities have developed the capacity to contribute substantially to managing Sabah's biodiversity.

Target 5.3: By 2022, Sabah will become a major focal point and contributor to global conservation.

Strategies

Strategy 1: Engaging the People of Sabah

Strategy 2: Reducing Pressures on Biodiversity

Strategy 3: Building Ecosystem Resilience

Strategy 4: Improving Our Understanding

Strategy 5: Strengthening Our Capacity to Manage Biodiversity

SBS Activities

Strategy 1: Engaging the People of Sabah

Activity	Lead/ Partner	Phase (Start to End)	Status
1.1: Conduct baseline survey on level of public awareness	SaBC/SEEN	1 to 1	Not Started
1.2: Formulate State Biodiversity Communication Plan	SaBC/SEEN	1 to 1	Not Started
1.3: Expand scope of the Sabah Environmental Education Network	EPD/SEEN, SFD	1 to 3	On-Going
1.4: Establish Nature Centres across Sabah	NRO*/SFD	2 to 3	Phase 2 (Not Started)
1.5: Develop the Sabah Biodiversity Clearing House Mechanism	SaBC/Multiple	1 to 2*	On-Going
1.6: Link and ensure accessibility to all government and other libraries	State Library/SFD, SP, SWD	1 to 3	Not Started
1.7: Undertake stakeholder information needs analysis	SaBC/SEEN	1 to 1	Not Started
1.8: Establish the Sabah Biodiversity Volunteers Network	NRO*/Multiple	1 to 1	Not Started
1.9: Expand the Junior Ranger programme	SWD, SP/SaBC, Education Dept	2 to 3	Phase 2 (On-going)
1.10: Support nature clubs and "green" scouts and girl guides programmes	Education Dept./SEEN	2 to 3	Phase 2 (Not Started)

Activity	Lead/ Partner	Phase (Start to End)	Status
1.11: Streamline volunteer and research tourism programmes	MTCE/SaBC	2 to 3	Phase 2 (Not Started)
1.12: Enhance policy and guidelines on participatory planning	UPEN/SaBC	1 to 1	Not Started
1.13: Establish Sabah Business Council for Sustainable Development	NRO*/MTCE*, EPD	1 to 1	Not Started
1.14: Establish Tour Operators' Associations throughout Sabah	MTCE/NGOs	2 to 3	Phase 2 (Not Started)
1.15: Provide incentives for private sector to support biodiversity conservation	NRO/UPEN,RSP0*	1 to 1	Not Started
1.16 Establish Working Group on CBNRM	NRO/SP*	1 to 1	Not Started
1.17: Develop an ICCA Registry	NRO/NGOs, LSD*, SP*, SWD*	2 to 2	Phase 2 (Not Started)
1.18: Expand and strengthen Honorary Wildlife Warden Programme	SWD/NRO, NGOs*, Private Sector	2 to 2	Phase 2 (Significant Progress)
1.19: Establish Community Marine Patrols and Marine Wardens	MMEA/DOF, SP, NGO	2 to 2	Phase 2 (On-Going)
1.20: Implement CUZ at Crocker Range Park	SP/LSD, NGOs, District Offices*	2 to 3	Phase 2 (On-Going)
1.21 Local Community Forest Rehabilitation Programme	SFD/NGOs, Sabah Rubber Fund	1 to 3	Significant Progress

Strategy 2: Reducing Pressures on Biodiversity

Activity	Lead/ Partner	Phase (Start to End)	Status
2.1: Undertake mapping and documentation of HCVA in Sabah	TRPD/SWD, SFD, SaBC	1 to 2	To Be Revised
2.2: Make EIA mandatory for replanting of oil palm	EPD/MPOB, AGC	1 to 1	Significant Progress
2.3: Establishment of five SPOCs at various locations in Sabah	MPOB/Ministry of Rural Development	1 to 3	On-Going
2.4: Enhance seed gardens for crop diversity and to increase yields	DOA/DID, MARDI, SaBC, SFD	1 to 3	On-Going
2.5: Undertake post-harvest loss minimisation programme for smallholders to raise productivity	MPOB/NGO	1 to 3	Significant Progress
2.6: Undertake awareness programme on MSPO to encourage smallholders sustainability certification	MPOB	1 to 1	Completed
2.7: Enhance the germplasm collection at Ulu Dusun and Tenom	DOA/MARDI, SaBC, SFD	1 to 3	Phase 2 (Significant Progress)
2.8: Expand the wild tropical fruit diversity programme	DOA/MARDI, SaBC, SFD	2 to 3	Phase 2 (On-Going)
2.9: Develop Sabah's bio-resource registry	DOA/SFD, SaBC, Computer Services Department	2 to 3	Phase 2 (On-Going)
2.10: Establish demonstration sites for BMPs in agriculture	DOA/DID, DOA (Federal)	2 to 3	Phase 2 (Significant Progress)
2.11: Increase the number of foresters trained in FSC and other certification programmes	SFD	2 to 3	Phase 2 (On-Going)

Activity	Lead/ Partner	Phase (Start to End)	Status
2.12: Increase the number of FMUs certified under FSC or other certification programmes	SFD/MTCC, WWF, and all SFMLA License Holders	2 to 3	Phase 2 (Significant Progress)
2.13: Strengthen the mobile wildlife patrol units	SFD/SWD, YS, PDRM, WWF, Plantations	2 to 2	Phase 2 (Significant Progress)
2.14: Plant fruit trees in forest restoration areas to provide food for wildlife	SFD/SWD, YS, NGOs, Plantations, Private Sector	1 to 3	Significant Progress
2.15: Ensure protection of rare, threatened and endangered plants in forest management plans	SFD/WWF, UMS, SP, DOA	1 to 2	On-Going
2.16: Gazette important water catchments as Water Conservation and Water Protection Areas	DID/LSD, District Offices	1 to 3	Not Started
2.17: Expand community-based water quality monitoring	DID/NGOs, Local Communities, Schools	2 to 3	Phase 2 (On-Going)
2.18: Establish the Kota Kinabalu River of Life Programme	DID/DBKK	1 to 3	Not Started
2.19: Review the water tariff structure	Water Department/UPEN	2 to 2	Completed (Phase 2)
2.20: Establish the palm oil mill rating system	DOE/EPD, MPOB	2 to 2	Phase 2 (Not Started)
2.21: Initiate third party audit for palm oil mills	DOE/EPD, MPOB	1 to 1	Not Started
2.22: Establish Fisheries Observer Programme	DOF/NGO	1 to 2	Not Started

Activity	Lead/ Partner	Phase (Start to End)	Status
2.22: Establish Fisheries Observer Programme	DOF/NGO	1 to 2	Not Started
2.23: Promote the use of environmentally friendly fishing gears	DOF/NGO	1 to 3	On-Going
2.24: Formulate Sabah deep sea fishing master plan	DOF	2 to 2	To Be Revised
2.25: Promote the use of alternative feed sources as fish meal	DOF/DOA	2 to 3	Not Started (Phase 2)
2.26: Revise the 1996 Sabah Aquaculture Master Plan	DOF	1 to 1	Not Started
2.27: Develop pilot small-scale environmental friendly aquaculture projects	DOF	2 to 3	Not Started (Phase 2)
2.28: Formulate Code of Conduct for Responsible Aquaculture Practice	DOF/NGOs	1 to 1	On-Going
2.29: Undertake the mapping and documentation of Marine HCVA in Sabah	DOF/SaBC, SP	1 to 1	Not Started
2.30: Implement river sand mining guidelines and plans for rivers in Sabah	EPD/DID, LSD, NRO	1 to 3	Significant Progress
2.31: Formulate rating system and guidelines for eco-lodges	MTCE/NGOs	2 to 2	Not Started (Phase 2)
2.32: Formulate and implement guidelines for wildlife watching	SWD/NGO, MTCE, Tour Associations	2 to 2	Phase 2 (Significant Progress)
2.33: Develop the third trail to the Mount Kinabalu summit	SP/STB	1 to 2	To Be Revised

Activity	Lead/ Partner	Phase (Start to End)	Status
2.34: Promote trekking activities and heritage tourism along the Sabah's Salt Trails	Sabah Tourism Board/SP, NGOs	2 to 3	On-Going (Phase 2)
2.35: Sustain the 'Return to the Mountain' Community Day	SP/Sabah Tourism Board, NGO, MTCE	1 to 3	Completed
2.36: Review the management plan for Kinabalu Park	SP	1 to 1	On-Going
2.37: Formulate and implement management plan for Tawau Hills Park	SP	1 to 1	On-Going
2.38: Review the management plan for Tunku Abdul Rahman Park	SP	1 to 1	On-Going
2.39: Formulate management plans and visitor guidelines for Nuluhon Trusmadi and Sg. Kiluyu	SFD/SP, SWD	1 to 1	Completed
2.40: Establish the mountain guides rating system for Mount Kinabalu	SP/Mountain Guides Association	2 to 2	Significant Progress (Phase 2)
2.41: Expand village home-stay programme	MTCE/NGO	2 to 3	On-Going (Phase 2)
2.42: Undertake campaign on illegal hunting and wildlife trade	SWD/NGO	2 to 3	Not Started (Phase 2)
2.43: Undertake study of the impacts of incentives, taxes and subsidies on biodiversity	NRO/SaBC, DOA, LSD, MPOB, MRB	1 to 1	Not Started

Activity	Lead/ Partner	Phase (Start to End)	Status
2.44: Accelerate the implementation of Feed-in Tariff for renewable energy such as biomass, biogas, micro-hydropower and solar power	SEDA, Warisan Harta/UPEN, Ministry of Finance, SaBC, SESB	1 to 1	Not Started
2.45: Develop incentives for green businesses	KETTHA/UPEN, Ministry of Finance, SaBC	2 to 3	Not Started (Phase 2)
2.46: Develop and implement compensatory mitigation programmes in Sabah	EPD/SaBC, SFD, AGC	2 to 2	On-Going (Phase 2)
2.47: Formulate management plan and visitors guidelines for Mount Tambayukon	SP	2 to 2	

Strategy 3: Building Ecosystem Resilience

Activity	Lead/ Partner	Phase (Start to End)	Status
3.1: Protect Ulu Padas' primary forests	SFD/Sabah Forest Industries, NRO	2 to 3	Completed (Phase 2)
3.2: Establish broad riverine reserve of natural habitat between Lokan River and Bukit Garam along the middle Kinabatangan River	SWD/District Office, SFD, Private Sector	2 to 3	Not Started (Phase 2)
3.3: Formulate management plan for Kota Belud-Tempasuk Wildlife Sanctuary	SWD/District Office	2 to 3	Not Started (Phase 2)
3.4: Revise management plan for Lower Kinabatangan Wildlife Sanctuary, incorporating actions needed outside the Sanctuary boundary	SWD/Kinabatangan District Office, SFD, LSD	1 to 1	Not Started

Activity	Lead/ Partner	Phase (Start to End)	Status
3.5: Rehabilitate degraded areas in key protected areas	SFD/BORA, Plantations, CSOs, WWF, YS	1 to 3	Significant Progress
3.6: Implement the Heart of Borneo Strategic Plan of Action	SFD/SWD, SP, NRO, CMD, DOE, DOF, JMG, MAFI, MOF, MTCE	1 to 3	On-Going
3.7: Assess the effectiveness of Sabah's marine protected areas network	SP/DOF, Local Communities	2 to 2	On-Going (Phase 2)
3.8: Formulate management plans for all marine protected areas	SP	1 to 2	Significant Progress
3.9: Revise the Tun Sakaran Park Management Plan	SP/Local Communities	2 to 2	On-Going (Phase 2)
3.10: Formulate the State master plan for ecological connectivity	NRO/SWD, LSD, SFD, DOF, UPEN	1 to 1	Not Started
3.11: Establish the Kinabalu ECOLINC	SP/SaBC, NRO, LSD	1 to 3	On-Going
3.12: Establish the ecological linkage between Lower Kinabatangan Wildlife Sanctuary, Kulamba Wildlife Reserve and Tabin Wildlife Reserve	NRO, SWD, SFD/TRPD, Borneo Conservation Trust, RSPO	1 to 3	Significant Progress
3.13: Enhance connectivity between FRs under the HOB programme	SFD/NRO, LSD	1 to 3	On-Going
3.14: Identify and rehabilitate important conservation areas outside of protected areas	LSD, NRO/SWD, SFD, SaBC, DOF, NGOs, CSOs	1 to 3	On-Going
3.15: Evaluate the effectiveness of the deployment of artificial reefs	DOF/NGO	2 to 2	On-Going (Phase 2)
3.16: Evaluate the impacts of fishing methods and practices	DOF/NGO,CSOs	2 to 2	On-Going (Phase 2)

Activity	Lead/ Partner	Phase (Start to End)	Status
3.17: Support the Reef Check monitoring programme	DOF, SP/UMS, NGO	1 to 3	On-Going
3.18: Expand the Klias PFR by another 500 ha	SFD/LSD, NRO	2 to 3	Significant Progress (Phase 2)
3.19: Protect Padang Teratak water bird habitat (800 ha)	SWD/Beaufort District Office, LSD	2 to 3	Not Started (Phase 2)
3.20: Protect Tempasuk plains critical water bird habitat (1500 ha)	SWD/LSD	2 to 3	Not Started (Phase 2)
3.21: Protect Weston Menumbok mangroves	SFD/LSD,NRO	2 to 3	Significant Progress (Phase 2)
3.22: Conduct comprehensive inventory of wetlands in Sabah	NRO/SFD, SWD, DID, SP	1 to 1	Not Started
3.23: Formulate and Implement Lower Kinabatangan River Corridor Management Plan	MTCE/DID, TRPD, SWD, WWF	1 to 2	Significant Progress
3.24: Gazette oxbow lakes in the lower Sg. Kinabatangan	SWD/DID	2 to 3	Not Started (Phase 2)
3.25: Establish aquatic life inventory of important rivers in Sabah	DOF/UMS, Local Communities	2 to 2	On-Going (Phase 2)
3.26: Undertake socio-economic study of the tagal system	DOF/NGO	1 to 1	Not Started
3.27: Formulate State-wide strategy for forest fire management	SFD/SP, FRDM, FMU Holders	2 to 2	On-Going (Phase 2)
3.28: Implement mangrove restoration programme at tsunami high vulnerability area	SFD, FDP/DM/DID	2 to 3	On-Going (Phase 2)

Activity	Lead/ Partner	Phase (Start to End)	Status
3.29: Establish a State level working group on plant conservation	SFD/DOA, UMS, SP, YS, WWF	1 to 1	Not Started
3.30: Implement the State Action Plans for the elephant, Orang Utan and Sumatran rhinoceros	SWD	1 to 3	On-Going
3.31: Establish orang-utan Post-Rehab Release Programmes at Tabin Wildlife Reserve	SWD/SFD, BSBCC	1 to 3	On-Going
3.32: Strengthen the Bornean Sun Bear Conservation Centre at Sepilok, Sandakan	SWD/SFD, BSBCC	1 to 2	On-Going
3.33: Strengthen the Borneo Rhino Sanctuary at Tabin Wildlife Reserve	SWD/BORA, WWF, UMS	1 to 2	To Be Revised
3.34: Formulate and implement the State Action Plan for the Proboscis monkey	SWD/UMS	1 to 3	Not Started
3.35: Formulate and Implement the State Action Plan for the Clouded leopard	SWD	1 to 3	Not Started
3.36: Formulate and Implement the State Action Plan for the Sun bear	SWD/BSBCC	1 to 3	Not Started
3.37: Formulate and Implement the State Action Plan for the Banteng	SWD/HUTAN, DGFC	1 to 3	Not Started
3.38: Include the Lower Kinabatangan-Segama Ramsar site within the East Asian-Australasian Flyway site network	SWD/MNS, Borneo Bird Club	2 to 2	Not Started (Phase 2)
3.39: Develop and implement management plans for IBAs that are under threat	SWD/MNS, YS, SP, SFD	2 to 3	Not Started (Phase 2)

Activity	Lead/ Partner	Phase (Start to End)	Status
3.40: Gazette the proposed Tun Mustapha Marine Park	SP	1 to 2	Significant Progress
3.41: Enforce the regulations on fishing gear	MMEA/DOF, Local Communities	1 to 2	Significant Progress
3.42: Prevent the harvesting of turtle eggs	SWD/MMEA, Marine Police, Royal Malaysian Customs Department, DOF, SP, RMN, ATM	1 to 2	On-Going
3.43: Develop and implement certification scheme and standards for live reef food fish production	DOF	2 to 3	Not Started (Phase 2)
3.44: Promote the use of environmentally friendly fishing gears	DOF/NGO	1 to 2	On-Going
3.45: Development and implement guidelines for the handling of by-catch in the fishing industry	DOF/NGO	1 to 1	Not Started
3.46: Support the development of a database on freshwater and marine species	DOF/UMS	1 to 2	On-Going
3.47: Formulate and Implement the State Action Plan in Invasive Species	SaBC/SWD, SFD, DOF,DOA, Malaysian Customs Department	2 to 3	Not Started (Phase 2)
3.48: Implement action plan to mitigate the spread of invasive aquatic plants in rivers and ox-bow lakes	DOF/DOA, DID	2 to 3	Not Started (Phase 2)

Strategy 4: Improving Our Understanding

Activity	Lead/ Partner	Phase (Start to End)	Status
4.1: Support the development of a regional Centre of Excellence on tropical biodiversity	UMS/UPEN, SaBC	1 to 3	On-Going
4.2: Expand Research Facilities at Field Sites Across Sabah	SFD, SP, YS/UMS, SaBC	1 to 3	On-Going
4.3: Expand facilities at the Danau Girang Field Centre in the Lower Kinabatangan River Basin	SWD/DGFC	1 to 3	On-Going
4.4: Enhance research on rare plant species with potential commercial value	SFD/UMS	1 to 3	On-Going
4.5: Undertake a comprehensive inventory of bird species in Sabah	SWD, SaBC/CSO	2 to 3	Not Started (Phase 2)
4.6: Develop a road map for the monitoring, documentation and research of lesser known and vulnerable species	SWD	2 to 3	Not Started (Phase 2)
4.7: Undertake study to inventorise threatened/rare plant species	SFD/SaBC, UMS, SP, Foreign Research Institutions	2 to 3	On-Going (Phase 2)
4.8: Expand and diversify permanent long-term research plots	SFD, SWD, SP, YS/CSO, UMS, FMU Holders, Foreign Research Institutions	2 to 3	On-Going (Phase 2)
4.9: Undertake collaborative research to document TEK	SaBC/UMS, Sabah Museum, Sabah Cultural Board	1 to 3	Significant Progress

Activity	Lead/ Partner	Phase (Start to End)	Status
4.10: Expand the collection and storage of local crop domesticates and other traditional cultivars	DOA	1 to 3	On-Going

Strategy 5: Strengthening Our Capacity to Manage Biodiversity

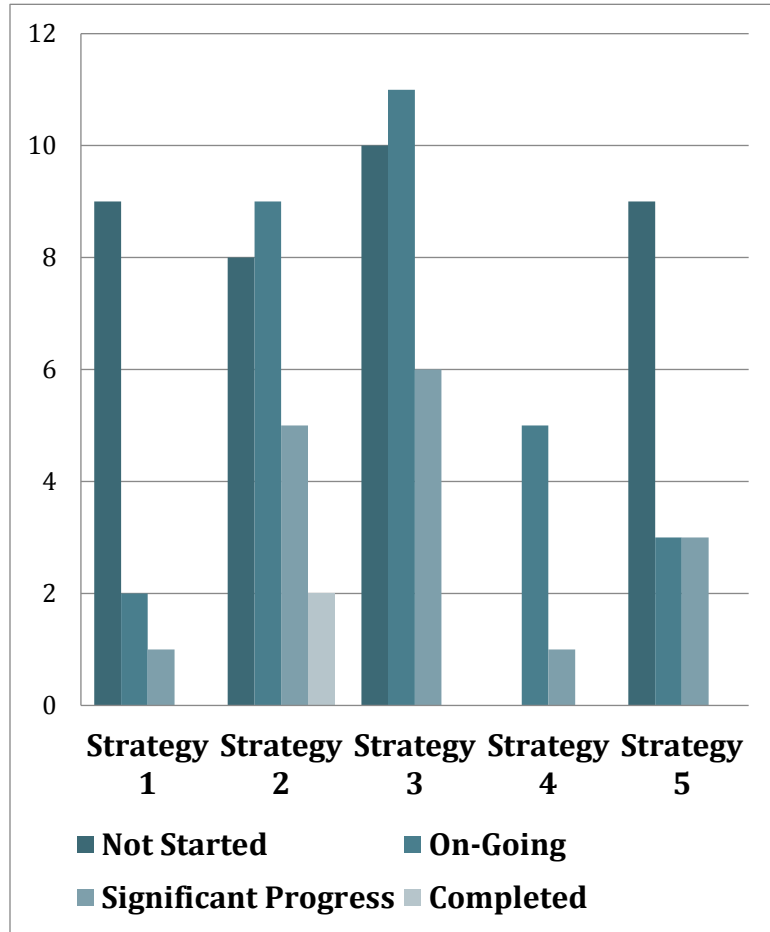
Activity	Lead/ Partner	Phase (Start to End)	Status
5.1: Develop biodiversity assessment toolkit for environmental assessment	SaBC/EPD, SWD, SFD	1 to 1	To be revised
5.2: Develop training modules for mainstreaming biodiversity	SaBC/SEEN	1 to 2	Not Started
5.3: Establish a Geospatial Mapping Unit and an Information Communications Unit under SaBC	SaBC	2 to 2	To Be Revised
5.4: Implement a capacity building programme on biodiversity for the Department of Agriculture, Department of Lands & Survey and Department of Town & Regional Planning, and Public Works Department	DOA, LSD, TRPD, PWD/SaBC	2 to 3	On-Going (Phase 2)
5.5: Develop a State GIS-based biodiversity information system	SaBC/SWD, SFD	1 to 1	On-Going
5.6: Strengthen the capacity of enforcement agencies to enforce fisheries regulations	MMEA/DOF, Royal Malaysian Police	1 to 3	Significant Progress

Activity	Lead/ Partner	Phase (Start to End)	Status
5.7: Develop institutional and regulatory framework for EAFM	DOF, DOF (Federal)	2 to 3	On-Going (Phase 2)
5.8: Establish a dedicated 'community engagement and conflict resolution' team at key agencies	SP, SFD, SWD	2 to 3	On-Going (Phase 2)
5.9: Establish a plant conservation working group at Sabah Wildlife Department	SWD/DOA, SP, SaBC, NGOs	2 to 3	To Be Revised
5.10: Establish the Sabah Wildlife Enforcement Network	SWD/MMEA, PDRM, SP*, SFD	2 to 3	Significant Progress (Phase 2)
5.11: Undertake a comprehensive review of all biodiversity-related institutional frameworks in Sabah	SaBC	1 to 1	Not Started
5.12: Formulate Rules to regulate non-point sources of pollution*	DID or EPD/AGC	1 to 1	To be revised
5.13: Formulate rules under the Sabah Water Resources Enactment 1998 for development near water bodies	DID/AGC	1 to 1	Significant Progress
5.14: Establish a task force to look into banning of shark hunting	SWD/AGC, LSD	2 to 3	Not Started
5.15: Strengthen the regulations on Live Reef Food Fish trade	DOF/AGC	2 to 2	Not Started (Phase 2)
5.16: Encourage conservation on alienated land and native reserves	LSD/AGC	2 to 2	Not Started (Phase 2)
5.17: Undertake a comprehensive review of all biodiversity related legislations in Sabah	SaBC/AGC	1 to 1	Not Started

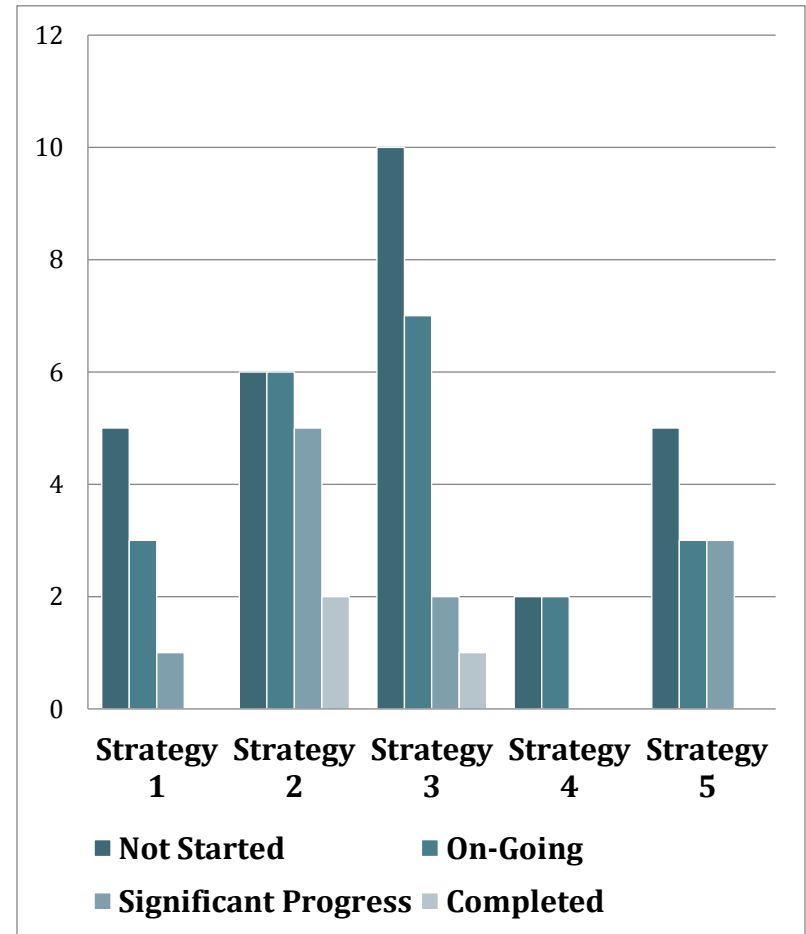
Activity	Lead/ Partner	Phase (Start to End)	Status
5.18: Review entrance fees to protected areas	SP, SFD	2 to 2	Significant Progress (Phase 2)
5.19: Conduct feasibility study on the implementation of an eco-tax on tourists	MTCE/UPEN, SEDIA	2 to 2	Not Started (Phase 2)
5.20: Develop and implement the Sabah REDD+ roadmap	SFD/NRO, EPD	1 to 3	Significant Progress
5.21: Create awareness of the green technology soft loan scheme	UPEN/KETTHA, SEDIA	2 to 3	Not Started (Phase 2)
5.22: Conduct training and awareness-raising programme on intellectual rights and FPIC for all local communities	SaBC/CSOs	1 to 3	On-Going
5.23: Introduce a training module on FPIC for government staff from the related agencies	SaBC/DOA, EPD, SEEN, SFD, SP	1 to 3	Not Started
5.24: Organise an annual "Green Dialogue"	SaBC/SEEN	1 to 3	Not Started
5.25: Develop twinning programme between LKSW and Ramsar sites in other countries	SFD/SaBC	1 to 2	To Be Revised
5.26: Establish the Sabah Regional Biodiversity Training Centre	SaBC/ITCB, UMS	2 to 3	Not Started (Phase 2)
5.27: Nominate the Lower Kinabatangan as a Biosphere Reserve under the UNESCO MAB Programme	SWD/HUTAN	1 to 1	Not Started
5.28: Nominate the Kota Kinabalu Wetlands as a RAMSAR site	NRO, SaBC/SWCS	2 to 3	Significant Progress (Phase 2)
5.29: Nominate the Maliau Basin, Danum Valley and Imbak Canyon as a UNESCO World Heritage Sites	MTCE, SFD, YS/	1 to 1	Significant Progress

Progress of Activities

Phase 1



Phase 2



New Focus Areas

New Actions

Action: Gazette and Implement State regulation on ABS

The gazettelement of the State ABS regulations which is already in its final draft needs to be expedited to facilitate its implementation. However, action must be taken to amend the Sabah Biodiversity Enactment 2000 to facilitate the ABS implementation as soon as possible

Leadership	Partner(s)	Start Phase	End Phase
SaBC	AGC	2	3

Action: Revise and Implement the Sabah Biotechnology Action Blueprint

The Sabah Biotechnology Action Blueprint (2005-2015) was developed ten years ago as a roadmap for all stakeholders to participate in the biotechnology development in Sabah. It has expired since and should be revised to include more current developments and take into account priorities of biodiversity conservation. The revision should also include a roadmap for bioprospecting and safeguarding biological resources from exploitation.

Leadership	Partner(s)	Start Phase	End Phase
SaBC	SEDIA, UMS	2	3

Action: Establish a State Level Biotechnology Committee

The current function of the Sabah Biodiversity Council with regards to biotechnology needs reconsideration and modification. To optimise the biodiversity of the State through biotechnology, there is a need of the sector to be led by a special purpose vehicle, such as Biotechnology Committee and governed by a higher level committee, such as the Sabah Biodiversity Council.

Leadership	Partner(s)	Start Phase	End Phase
SaBC	SEDIA, UMS	2	3

Action: Enhance Inspection and Biosafety Compliance

Biosafety emergencies will required a high level of technical expertise to contain and eradicate potential threats before they cause any significant harm to biodiversity and human health. An emergency response plan needs to be developed and emergency response teams to be set-up and trained. A comprehensive framework for liability as well as for adequate and prompt compensation (redress) for damage resulting from the transfer, handling, release or use (including unintentional and illegal release) of LMO or its products also needs to be in place.

Leadership	Partner(s)	Start Phase	End Phase
SaBC	UMS, DOF, DOA	2	3

Action: Develop Response to Biosafety Emergencies

Biosafety emergencies will require a high level of technical expertise to contain and eradicate potential threats before they cause any significant harm to biodiversity and human health. An emergency response plan needs to be developed and emergency response teams to be set-up and trained. A comprehensive framework for liability as well as for adequate and prompt compensation (redress) for damage resulting from the transfer, handling, release or use (including unintentional and illegal release) of LMO or its products also needs to be in place.

Leadership	Partner(s)	Start Phase	End Phase
SaBC	UMS, DOF, DOA	2	3

Coordination Framework

The SBS, which is now in its Second Phase, will be steered by the Sabah Biodiversity Council chaired by the Chief Minister. NRO will be the key agency to coordinate, facilitate, communicate, review and monitor the strategy although the responsibility of implementing the action plans lies within various stakeholders.

SBS Advisory and Monitoring Panel

