



第三屆ESG全球倡議論壇
3rd ESG Global Initiative Forum

2025年度BAS總體效益展現 BAS Progress Report 2025

中華自行車永續聯盟協會(BAS)
劉家傑 Charlie Liu

目錄

Contents

1

關於BAS

About BAS

2

2025 總體效益

Progress Report

3

2026 計畫

2026 Outlook





BICYCLING ALLIANCE
FOR SUSTAINABILITY

Chapter 1

關於BAS

About BAS

聯盟的宗旨 Goal

引領自行車產業成為綠色永續產業
並優先致力於降低自行車消費與生產的碳排放
讓自行車成為真正的綠色產品

The goal of BAS is to lead the bicycle industry in becoming a green and sustainable sector, with a primary focus on reducing carbon emissions in the consumption and production of bicycles, while aiming to make bicycles truly green products.

關於BAS About BAS



BAS Member List

NO	會員名稱 Member	NO	會員名稱 Member	NO	會員名稱 Member	NO	會員名稱 Member
1	久裕 JOY	20	正新 CHENG SHIN	39	全維 SAMOX	58	誌慶 NECO
2	天心 TIEN HSIN	21	伊諾華 INNOVA	40	乃興 NUVO	59	良豐 LIANG FENG
3	台萬 MARWI	22	安大 MODERNE	41	元毅 YUEN I	60	嘉冠 PRECISION
4	巨大 GIANT	23	品岳 PURETEK	42	六暉 LU HAI	61	享勵 SHEANG LIH
5	利奇 LEE CHI	24	建大 KENDA	43	金毅達 RST	62	京永 ANJ
6	亞獵士 ALEX	25	彥豪 TEKTRO	44	愛地雅 IDEAL	63	拓肯 TOKEN
7	佳承 CHIA CHERNE	26	偉兒達 GREAT GO	45	立盟 LIMOTEC	64	金振 METAL UPWARD
8	金盛元 GLORY WHEEL	27	華銘 HUAMING	46	金享 KALLOY	65	聯金 HUBSMITH
9	信隆 HSIN LUNG	28	極點 TOPEAK	47	台塑 FORMOSA	66	賀美斯 HERRMANS
10	政伸 TRANSART	29	榮輪 SR SUNTOUR	48	盛達 THUNDER	67	雅輪 A-RIM
11	美利達 MERIDA	30	維格 WELLGO	49	展輪 JALCO	68	雙餘 BETO
12	桂盟 KMC	31	鋁光 VP	50	瑩信 CARBOTEC	69	禾詰 LAMINAR
13	順捷 FRITZ JOU	32	自行車研發中心 CHC	51	竣驥 GUNIOR	70	浩盟 PROWHEEL
14	速聯 SRAM	33	莊盟 STRONGMAN	52	拓凱 TOPKEY	71	協達 SHA-DAR
15	弗克司 FOX	34	祥力 CIONLLI	53	龍承 DRAGON TECH	72	威輪 WILLING
16	維樂 VELO	35	詠農 YUNG LUN	54	弘太 SAPIM	73	瑞振 SUNNY WHEEL
17	鑫元鴻 FORMULA	36	明係 AXMAN	55	友穎 U-LOGIS	74	輪耀 LUNGE
18	久鼎 J.D	37	順傳 SHUN CHUEN	56	野寶 A-PRO	75	德傑 DT SWISS
19	六哥 LIOW KO	38	中南金記 CHUN NAN JIN-JI	57	新可大 SCADA	76	擎歐 CASTELLO

分組架構 BAS Organizational Chart



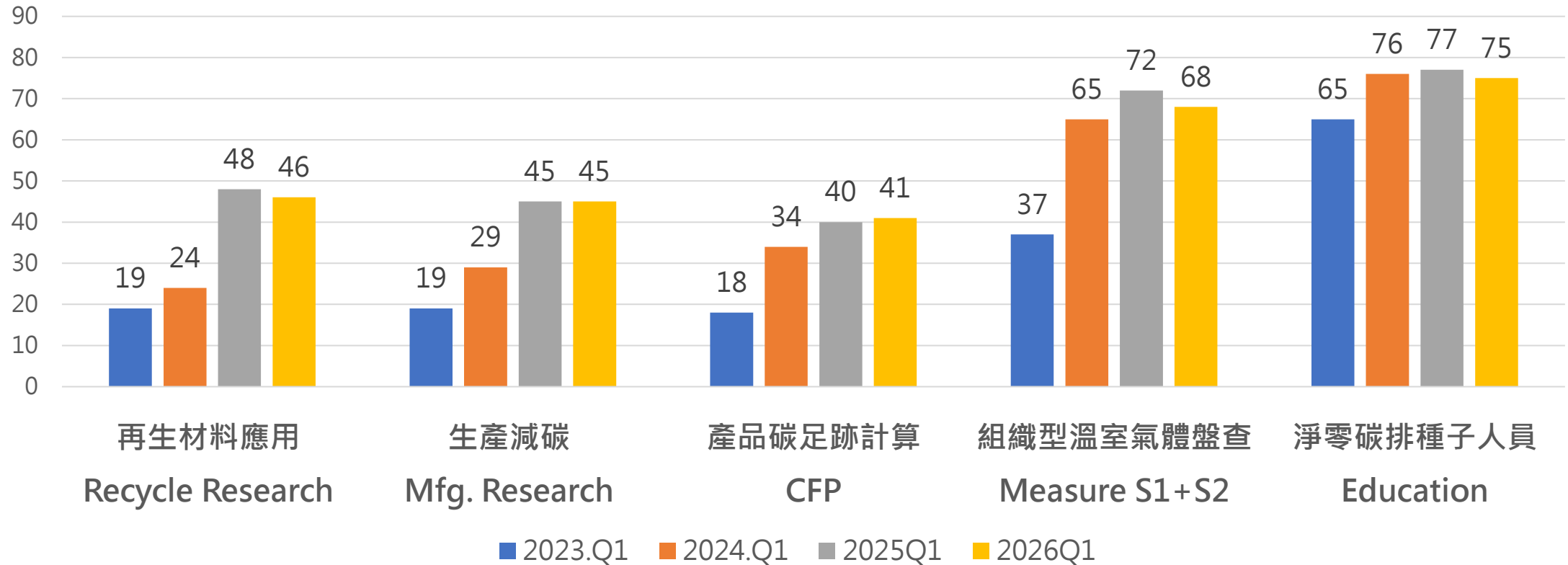


BICYCLING ALLIANCE
FOR SUSTAINABILITY

Chapter 2

2025總體效益 Progress Report

1. 永續推廣成果(76家會員) Sustainability Advocacy Outcomes(76 Members)

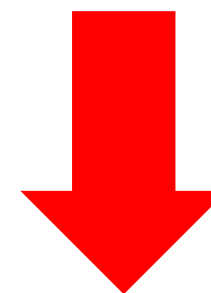


2. 2024減排成效

Carbon Emission Reduction Results in 2024

※2023起連續兩年有執行溫室氣體盤查之會員共有50家，碳排放量經相減後為475,160噸
Since 2023, 50 member companies have conducted greenhouse gas inventories for two consecutive years, achieving a reduction of 475,160 tons of carbon emissions.

2023碳排(範疇1+2) Carbon emissions in 2023(Scope 1+2)	8,312,607 t CO ₂ e
2024碳排(範疇1+2) Carbon emissions in 2024(Scope 1+2)	7,837,447 t CO ₂ e
2024年度減排量 2024 emission reduction	475,160 t CO ₂ e



5.7%

3.自行車騎行碳權數位平台架構-1 Digital Platform Architecture for Cycling Carbon Credit-1

申請碳權條件 Carbon Credit Eligibility Criteria	關鍵要素 Key Components	執行方式 Implementation Approach
1.基準線 BaselineCarbon rights conditions	騎行前端IoT+Blockchain Cycling activity tracking IoT + Blockchain	以AMS-III.BM方法學判斷 Baseline determined using AMS-III.BM methodology under UNFCCC
2.外加性 Additionality (技術、財務、法規、普遍) (Technical, Financial, Regulatory, Market Adoption)	區塊鏈技術應用 Application of blockchain technology	Liquid Network技術部署 Deployment of Liquid Network infrastructure
	FSC金管會監管標準 FSC Governance and supervisory framework	企業自願提供碳權誘因 Companies voluntarily provide carbon credit incentives
3.可量化 Quantifiability	PDD與第三方查證 PDD preparation and third-party validation	結合區塊鏈+ISO 14083:2023 Integration of blockchain technology with ISO 14083:2023

3.自行車騎行碳權數位平台架構-2

Digital Platform Architecture for Cycling Carbon Credits-2

申請碳權條件 Carbon Credit Eligibility Criteria	關鍵要素 Key Components	執行方式 Implementation Approach
4.可稽核 Verifiability	碳權驗證 Carbon credit certification	VCS、GS、環境部驗證 Certification under Verra VCS, Gold Standard, or national environmental authority
5.可歸屬 Attribution	整體平台整合 Integrated platform system	碳權歸屬於BAS Carbon credit ownership attributed to BAS



變現性 Monetization	碳權交易 Carbon Credit Trading	碳權交易所 Carbon Exchange
---------------------	-------------------------------	--------------------------



BICYCLING ALLIANCE FOR SUSTAINABILITY

2025 總體效益 Achievements

4. 2024~2025年BAS人權專案_階段成果(依據OECD六大步驟)

BAS Human Rights Projects (2024~2025): Based on the OECD Six-Steps

將責任商業行為融入政策與管理體系 Integrate Responsible Business Conduct	識別與評估營運、供應鏈與業務關係的不利影響 Identify & Assess Risks	中止、防範或減輕不利影響 Prevent & Mitigate Impacts	追蹤實施狀況與結果 Track Implementation	溝通如何消除影響 Communicate Actions	適時提供條件或開展合作進行補救 Remediation & Cooperation
<ul style="list-style-type: none"> ● 制定人權政策，由高階主管簽署，並對外公開。 ● Establish a Human Rights Policy signed by senior management and publicly disclosed. 	<ul style="list-style-type: none"> ● 篩選與自行車產業相關之人權議題清單。 ● 建立人權風險矩陣，識別實際及潛在的人權風險 ● Identify human rights issues relevant to the bicycle industry. ● Develop a Human Rights Risk Matrix to identify actual and potential risks. 	<ul style="list-style-type: none"> ● 針對潛在/實際發生之人權風險，採取相應減緩與補救措施。 ● Implement mitigation and remediation measures for actual and potential risks. 	<ul style="list-style-type: none"> ● 定期執行風險調查。 ● 追蹤管理結果、減緩與補救行動成效。 ● Conduct regular risk assessments. ● Monitor mitigation and remediation effectiveness. 	<ul style="list-style-type: none"> ● 對外溝通組織的人權盡職管理成效。 ● Publicly communicate the organization's Human Rights Due Diligence performance. 	<ul style="list-style-type: none"> ● 提供申訴機制：建立官方/非官方申訴機制、援助資源，讓受害者能接近這些資源。 ● 展開合作：與受影響方、政府機構、NGO、工會合作，共同設計與實施補救措施。 ● Establish grievance mechanisms (formal and informal). ● Collaborate with stakeholders, government agencies, NGOs, and labor unions to implement remedies.
2024	2024	2024	2025	2024~2025	2026~

4.1 S分組會議人權盡調查報告(2026.02.04) Deep Dive - Human Rights Due Diligence Report(Feb. 4, 2026)



2025 總體效益 Achievements

5. BAS 國外參訪 BAS Overseas Visit

June 30, 2025-Riese & Müller



6. 自行車產品PCR制定

Development of Product Category Rules (PCR) for Bicycles

已完成 Completed	審核中 Under Review	規劃中 In Planning
<ul style="list-style-type: none">1. 整車(Bicycle)2. 鏈條(Chain)3. 踏板(Pedal)4. 停車柱(Kickstand)5. 前叉(Fork)	<ul style="list-style-type: none">6. 曲柄齒盤組(Cranksets)7. 座墊(Saddle)8. 握套(Grip)9. 貨架(Carrier)	<ul style="list-style-type: none">10. 座管束(Seat Post Clamp)11. 車把立管(Stem)12. 車頭碗組(Head Parts)13. 五通組件(B.B. Parts)14. 前後輪轂(Hub)15. 車手把(Handlebar)16. 泥除 (Mud Guard)17. 隨車打氣筒(Pump)

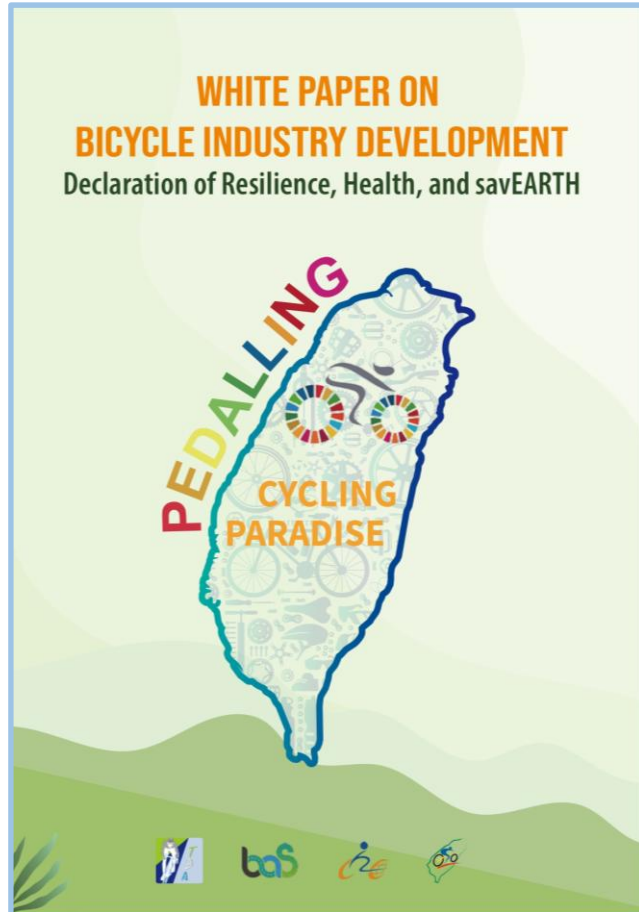
7. 產品碳足跡計算平台 Product Carbon Footprint Calculation Platform



巨大集團自主開發「產品碳足跡計算平台」通過 SGS 第三方查證；數據驅動綠色革新，領先業界建立產品生命週期評估（LCA）資料庫。

The Giant Group has independently developed a "Product Carbon Footprint Calculation Platform," which has been verified by SGS as a third party. Leveraging data to drive green innovation, the platform leads the industry in establishing a Product Life Cycle Assessment (LCA) database.

8. 政策法規組 Policy & Regulation



- 自行車產業發展白皮書
White Paper on Bicycle Industry Development
- 2025 領航騎士團
2025 Formosa 900
- 自行車產業發展白皮書遞送交通部長
The “White Paper on Bicycle Industry Development r” was presented to the Minister of Transportation.
- 聯合國永續交通十年
UN Decade of Sustainable Transport

9. 公司治理組-1 Corporate Governance-1

ESG Report



FPC



Since 1980



政伸企業



9. 公司治理組-2 Corporate Governance-2



Supplier
Engagement
Leader

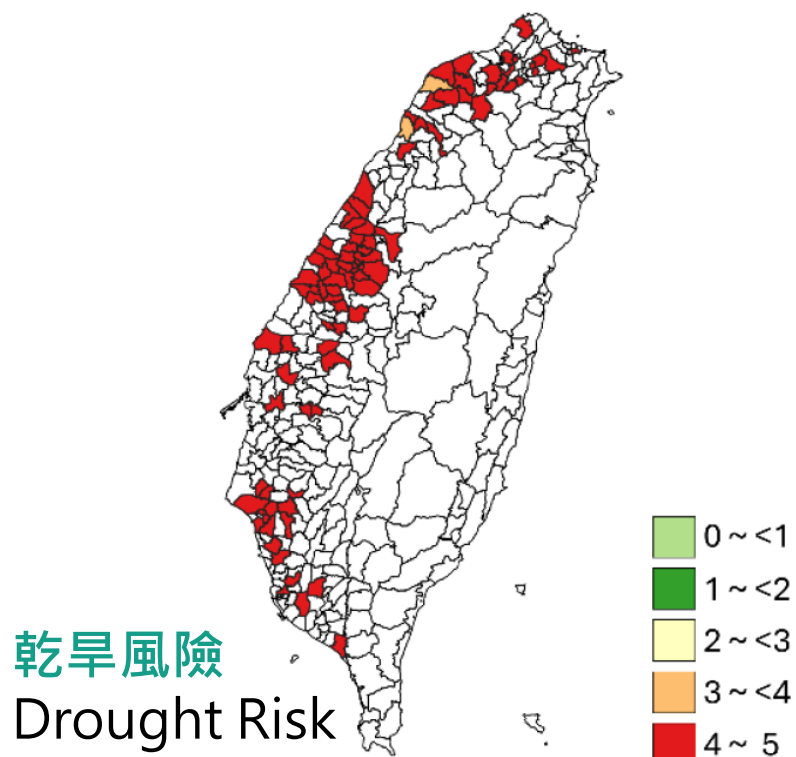


2024

10. 氣候實體風險評估 TCFD

分析 286 家廠址 (涵蓋會員及其供應商)

Analysis of 286 facilities (including members and their suppliers)



風險指標計算 =
危害度 × 脆弱度 × 暴露度

Risk Index Calculation =
Hazard × Exposure × Vulnerability



BICYCLING ALLIANCE
FOR SUSTAINABILITY

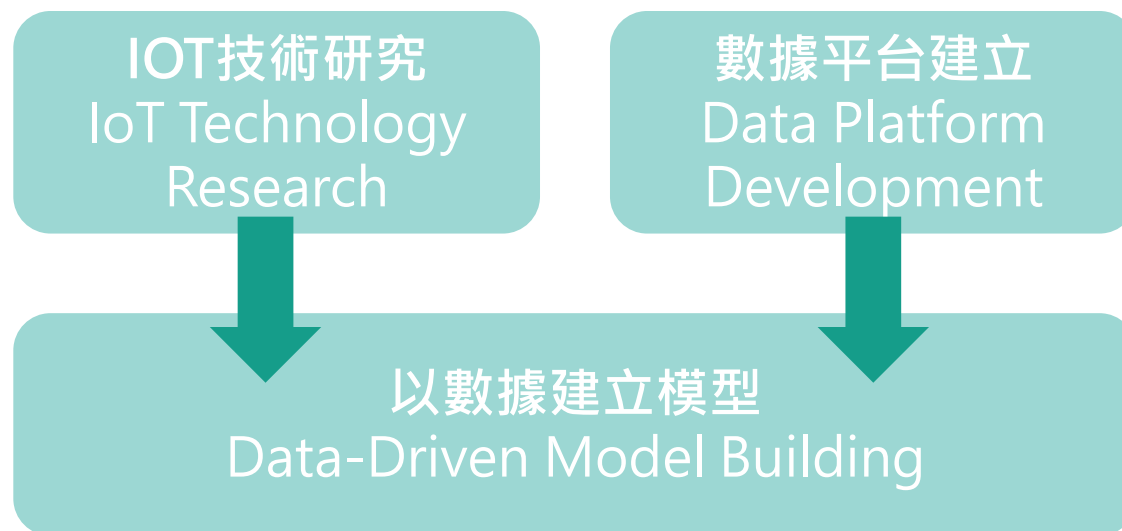
Chapter 3

2026計畫

2026 Outlook

1. 自行車騎行碳權數位平台架構

Digital Platform Architecture for Cycling Carbon Credits



2. 人權盡職調查 Human Rights Due Diligence

卓越：完善管理，能夠回應客戶/國際要求

Excellence: Comprehensive management in place, capable of responding to client/international requirements.

進階：深化人權管理的制度與實務

Advanced: Deepening the systems and practices of human rights management.

入門：開始執行部分管理措施，但尚未建立完整管理系統

Entry: Beginning to implement some management measures, but a complete management system has not yet been established.

未知：對人權議題無認知，且未建立任何管理措施

Unknown: No awareness of human rights issues, and no management measures have been established.

2
企業人權查核
Corporate Human Rights Audit

1
人權盡職調查與
人權管理種子工作坊
Human Rights Due Diligence and Management Seed Workshop

3.自行車產品PCR翻譯 Bicycle product PCR translation

翻譯中

Translation in
Progress

- 1.整車(Bicycle)
- 2.鏈條(Chain)



規劃中

Under
planning

- 3.踏板(Pedal)
- 4.停車柱(Kickstand)
- 5.前叉(Fork)

4. BAS國外參訪+ESG全球倡議論壇

BAS Overseas Visit+Global ESG Initiative Forum



第三屆ESG全球倡議論壇

促進自行車產業ESG發展，推動共同倡議，藉由分享與座談，落實行動方案，以共創永續未來。

活動日期：2026/03/26(四)
活動地點：台北市南港區經貿二路1號4F
南港世貿一館402會議室



ESG 全球倡議論壇議程表

09: 00~09: 30	報到
09: 30~09: 35	主席致詞
09: 35~09: 45	來賓致詞
09: 45~10: 00	人權盡職調查倡議
10: 00~10: 15	2025年度BAS總體效益展現
10: 15~10: 25	人權行為準則盡職調查報告
10: 25~10: 35	氣候實體風險分析評估報告
10: 35~10: 45	自行車騎行碳權報告
10: 45~10: 55	「聯合國永續交通十年」分享
10: 55~11: 55	永續成果分享
11: 55~12: 00	大合照

中華自行車永續聯盟協會理事長 劉湧昌 敬邀

◎ 交通指引

台灣高鐵 TAIWAN HIGH SPEED RAIL
請搭乘台灣高鐵北上列車至南港車站(終點站)下車，轉程捷運板南線至南港展覽館站下車並於1號出口出站。

Metrol Taipei
請搭乘捷運文湖線或板南線至南港展覽館下車，並於1號出口出站；離站沿左側至南港世貿一館。

BR 文湖線 Wenhu Line BL 板南線 Bannan Line



BICYCLING
FOR SUSTA



Together for Our Planet Earth



Cycling Paradise

TAIWAN

騎 遇 世 界 的 起 點

用一次次的轉動，成為連結情誼、自然及世界的起點！

孕育騎行文化 讓人們騎待相連



這座島嶼成就自行車產業聚落

bas BICYCLING ALLIANCE
FOR SUSTAINABILITY





Thank You