**中央研究院112年度「淨零科技研發計畫」計畫構想書**

**Pre-proposal application form for the 2023 Academia Sinica**

**Net-Zero Technology Research and Development Program**

**※計畫申請前，請詳讀計畫徵求說明**

**Please Read 2023 NZTRDP Proposal Submission Instructions before submission**

|  |  |
| --- | --- |
| 申請主題Application Theme | 🞏 去碳燃氫 Pyrolysis-based Hydrogen🞏 地熱 Geothermal Energy🞏 海洋能 Marine Energy🞏 高效太陽光電 High-Efficiency Solar Energy🞏 生質碳匯 Biomass Carbon Sinks🞏 其它 Others |
| 計畫書類別Proposal Type | 🞏 第一階段構想書(請使用構想書格式，含圖3頁為限)Pre-proposal (Please use the pre-proposal format, limited to 3 pages including pictures)🞏 第二階段申請書(請使用申請書格式，20頁為限)Full-proposal (Please use the application format, with a limit of 20 pages, appendix not included) |
| 計畫名稱Project Title | 中文： |
| English: |
| 計畫關鍵詞Keywords | 中文：English: |
| 計畫總主持人Project PI |  | 職稱/單位Title/Unit |  |
| 計畫共同主持人Co-PI(可自行增加表格) | 1. | 職稱/單位Title/Unit |  |
| 2. | 職稱/單位Title/Unit |  |
| 3. | 職稱/單位Title/Unit |  |
| 4. | 職稱/單位Title/Unit |  |
| 5. | 職稱/單位Title/Unit |  |
| 112-114年度計畫預估經費2023-2025 Annual Estimated Budget(單位：新臺幣千元) | 112 年度 (year 2023)：\_\_\_\_\_\_\_\_\_\_\_\_\_(千元in thousands of NT dollars only) |
| 113年度 (year 2023)：\_\_\_\_\_\_\_\_\_\_\_\_\_(千元in thousands of NT dollars only) |
| 114年度(year 2023)：\_\_\_\_\_\_\_\_\_\_\_\_\_(千元in thousands of NT dollars only) |
| 計畫聯絡人Contact Info. |  | Email:  |
| Tel:  |

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請以3頁篇幅說明欲解決之溫室氣體排放問題、擬用什麼創新的方法解決、此方法之可行性、此解決方案可能達到之減碳效益(請提供初步量化資訊)、計畫具體技術目標、關鍵科技亮點成果

Please briefly describe your project in 3 pages (including figures and tables). Your answer should include (but not limited to): the problem statement, innovative method, the feasibility of this method, anticipated decarbonization benefit (please provide preliminary quantitative information), the specific technical goals of this proposal, key scientific and technological deliverables and highlights.