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Arkadiah Technology sings MoU with Singapore's NUS Centre for Remote Imaging, Sensing and Processing (CRISP)

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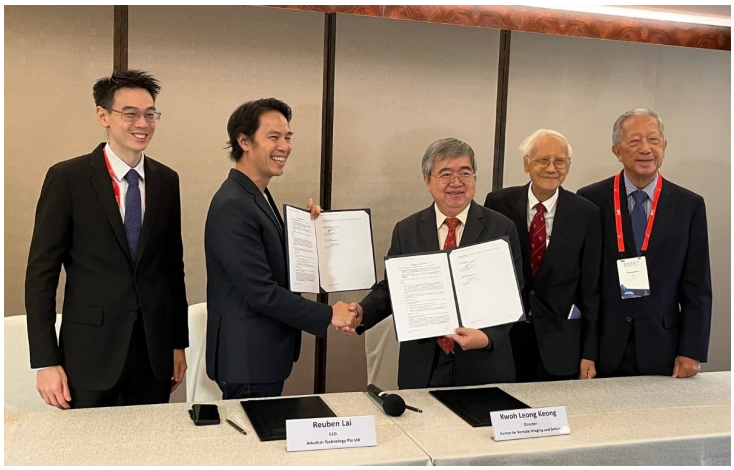

Partners for groundbreaking research leveraging satellite data for enhanced carbon estimation for more precise and scalable monitoring, reporting and verifying forest carbon projects.

Arkadiah Technology has signed a MoU with Singapore's NUS Centre for Remote Imaging, Sensing and Processing (CRISP) to collaborate on groundbreaking research leveraging the power of ground-truth and satellite data for enhanced carbon estimation. Arkadiah has implemented and is currently supporting pilots with over 15 projects in Southeast Asia and Australia on pre-feasibility/feasibility studies and carbon stock digital measurements.

By combining the expertise in on-ground measurements and CRISPâ??s capabilities in remote sensing analysis, the partners will work together to develop cutting-edge methodologies for more precise and scalable monitoring, reporting and verifying forest carbon projects. The collaboration to drive innovation and greater climate impact through robust data to accelerate understanding of tropical forest carbon dynamics and to scale nature-based solutions through innovative approach.

Arkadiahâ??s platform to cover the rich biodiversity and landscape of Southeast Asia

Recently, Arkadiah successfuly closed its seed funding round led by Golden Gate Ventures, with the participation from The Radical Fund and Money Forward Venture Partners (HIRAC FUND). Arkadiah revives degraded land through AI-enabled nature restoration. Nature-based climate solutions could provide estimated 30%Â of the mitigation needed till 2050 to achieve the 1.5â?? target of the Paris Agreement. However, nature restoration projects are currently met with long, cumbersome and manual processes from project development, monitoring, and credit issuance. This hinders much-needed funding, scaling,

and speed.

Arkadiahâ??s proprietary platform uses AI, LiDAR, satellite imagery and ground truthing to provide transparent and verifiable data with scientific rigour. Digitising the end-to-end process for project developers, landowners and corporations, the platform streamlines deployment of nature-based climate solutions, such as reforestation and agroforestry for high quality carbon removal and advancing biodiversity-rich ecosystems.

Southeast Asia region saw 82% growth in Greenhouse Gas (GHG) emissions between 1990 and 2020, mainly from fossil fuel combustion, agriculture, land use change and forestry. Unchecked growth in emissions could cause the regionâ??s GDP to fall as high as 37% in a severe scenario of 3.2â?? rise in temperature. With 15% of the worldâ??s tropical forests, key biodiversity hotspots, and agriculture-dependent economies, Southeast Asia is strategically primed to have nature-based climate solutions play an outsize role towards meeting the regionâ??s climate ambition. With the new funding, Arkadiah plans to enhance their AI models, expand their product offerings and be in a strong position to scale with project developers, natural climate investors, land owners and corporations.