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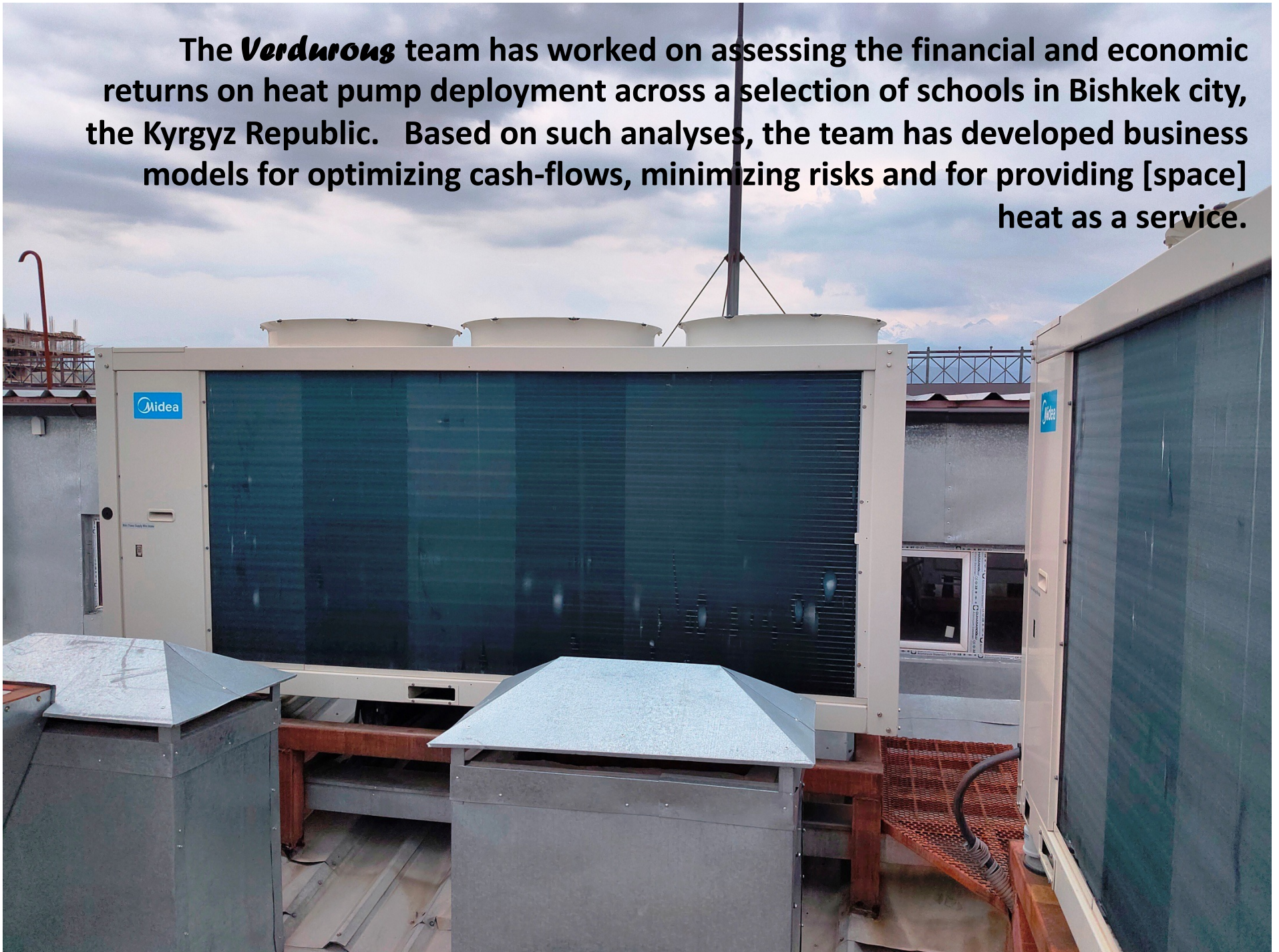
*"The responsibility laid on man as a rational being, to integrate himself, to relate the present to the past and the future, to live in time as well as in eternity, has become acute and urgent. "*

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*Dr. Sarvepalli Radhakrishnan  
(1888 – 1975)  
Philosopher and Statesman President of India  
(1962 – '67)*

The ***Verdurous*** team has worked on assessing the financial and economic returns on heat pump deployment across a selection of schools in Bishkek city, the Kyrgyz Republic. Based on such analyses, the team has developed business models for optimizing cash-flows, minimizing risks and for providing [space] heat as a service.







The *Verdurous* team has worked on assessing the impacts of climate change on the Zambian economy and more specifically on the banking sector. The detailed reports and supporting documents have helped highlight the need for risk management and climate adaptation in the country.





The *Verdurous* team has worked with the government of Armenia and development partners to help implement the monitoring, reporting and verification system (MRV) for the transportation sector for the country





The *Verduron*s team has worked with the government of the Kyrgyz Republic and development partners to undertake the climate vulnerability assessment and to develop the National Adaptation Plan (NAP) and to design adaptation projects for the country





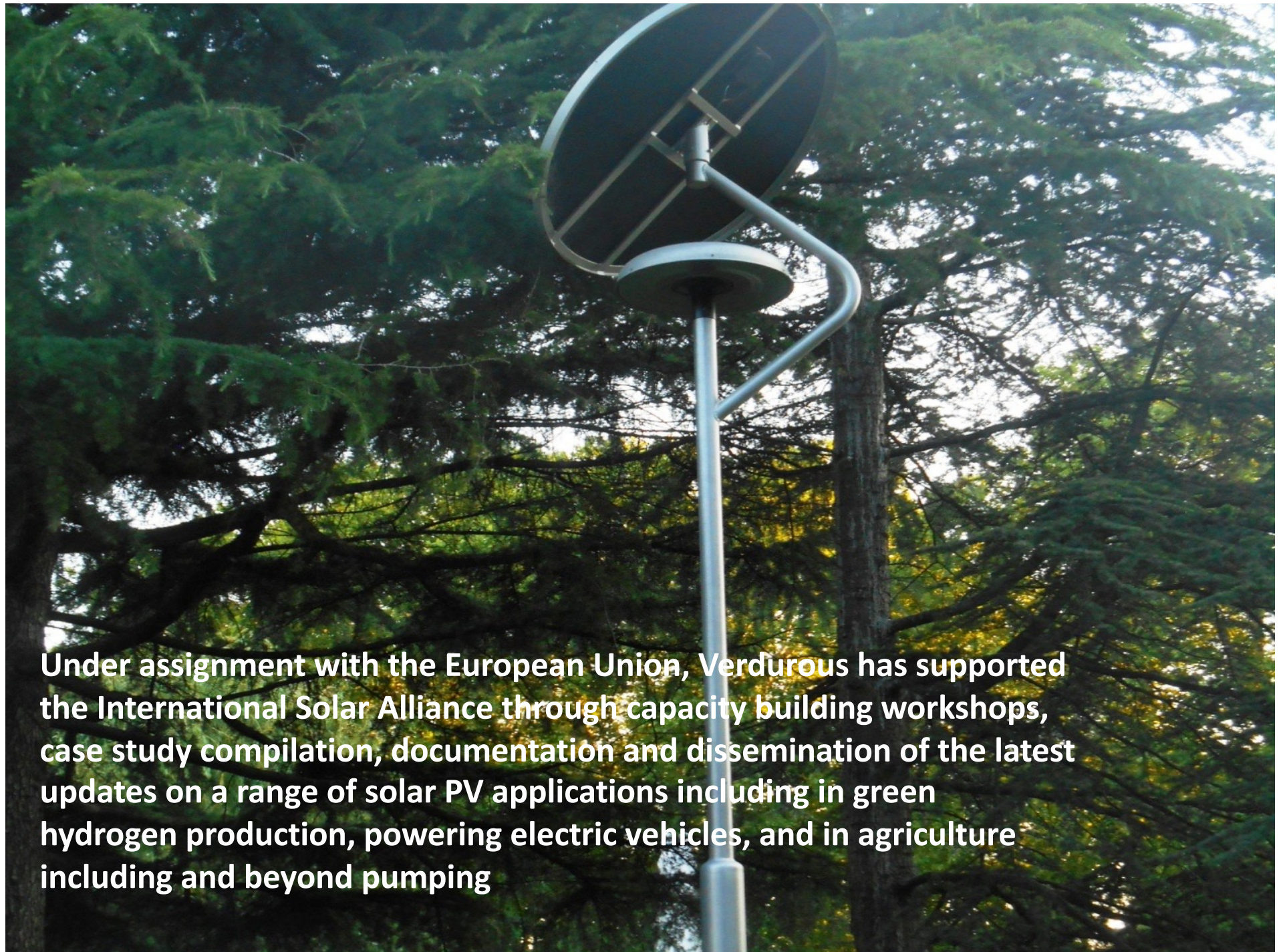
*Verdurous* has worked with the Global Green Growth Institute to support the Ministry of Energy and Mineral Resources (MEMR) in Indonesia on developing a policy framework for electricity



*Verdurous* has helped draw the roadmap for biofuel – bio-diesel, ethanol, biogas – production, supply and pricing in Indonesia and has presented details of the analysis and the recommendations to stakeholders concerned







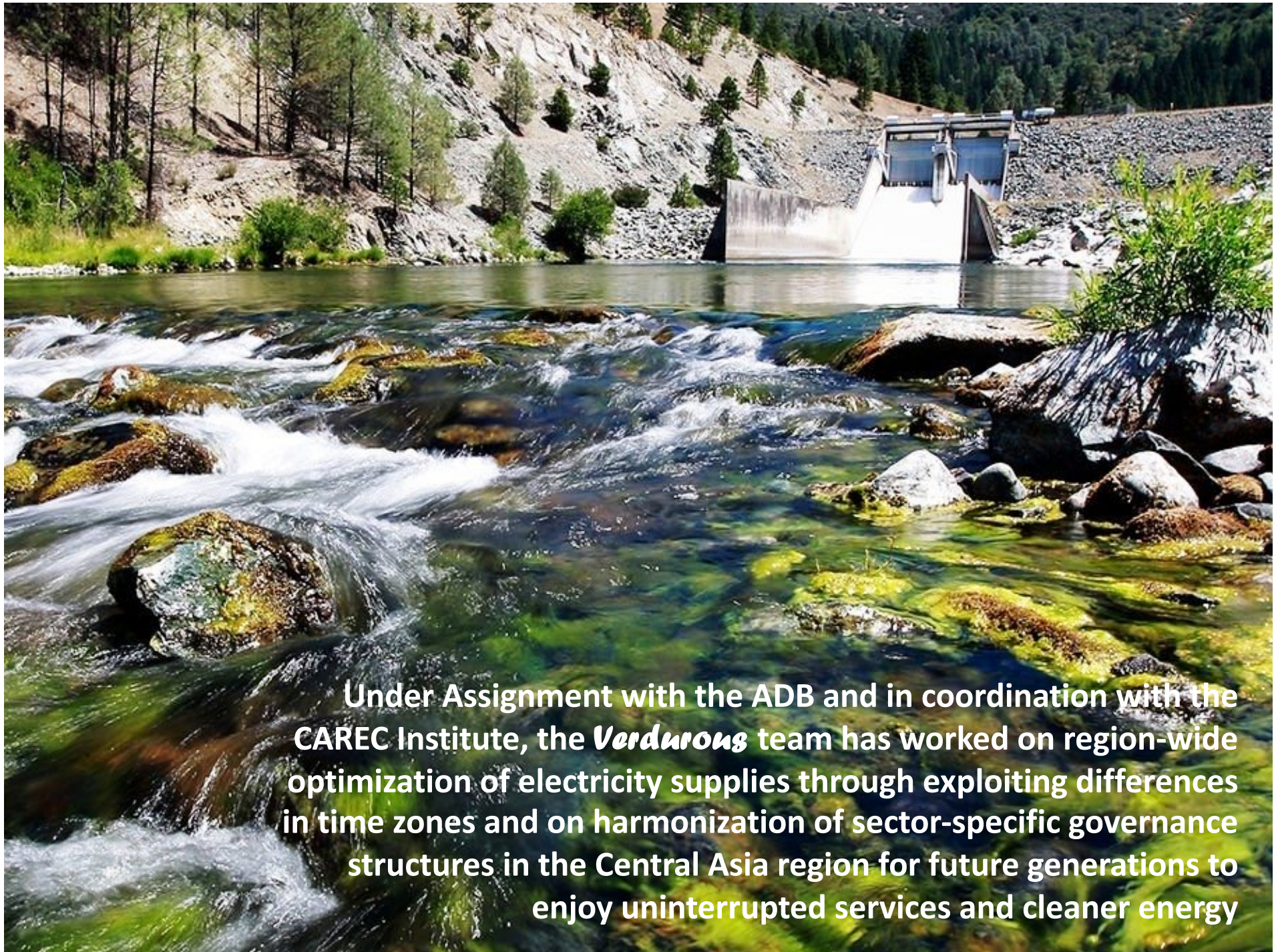
**Under assignment with the European Union, Verdurous has supported the International Solar Alliance through capacity building workshops, case study compilation, documentation and dissemination of the latest updates on a range of solar PV applications including in green hydrogen production, powering electric vehicles, and in agriculture including and beyond pumping**



The Verdurous team has advised the Royal Monetary Authority on climate risks faced by the banking system and has developed guidelines for the financial intermediaries to implement processes to collect analyze and internalize data relating to climate risks impacting their operations







Under Assignment with the ADB and in coordination with the CAREC Institute, the *Verdurous* team has worked on region-wide optimization of electricity supplies through exploiting differences in time zones and on harmonization of sector-specific governance structures in the Central Asia region for future generations to enjoy uninterrupted services and cleaner energy

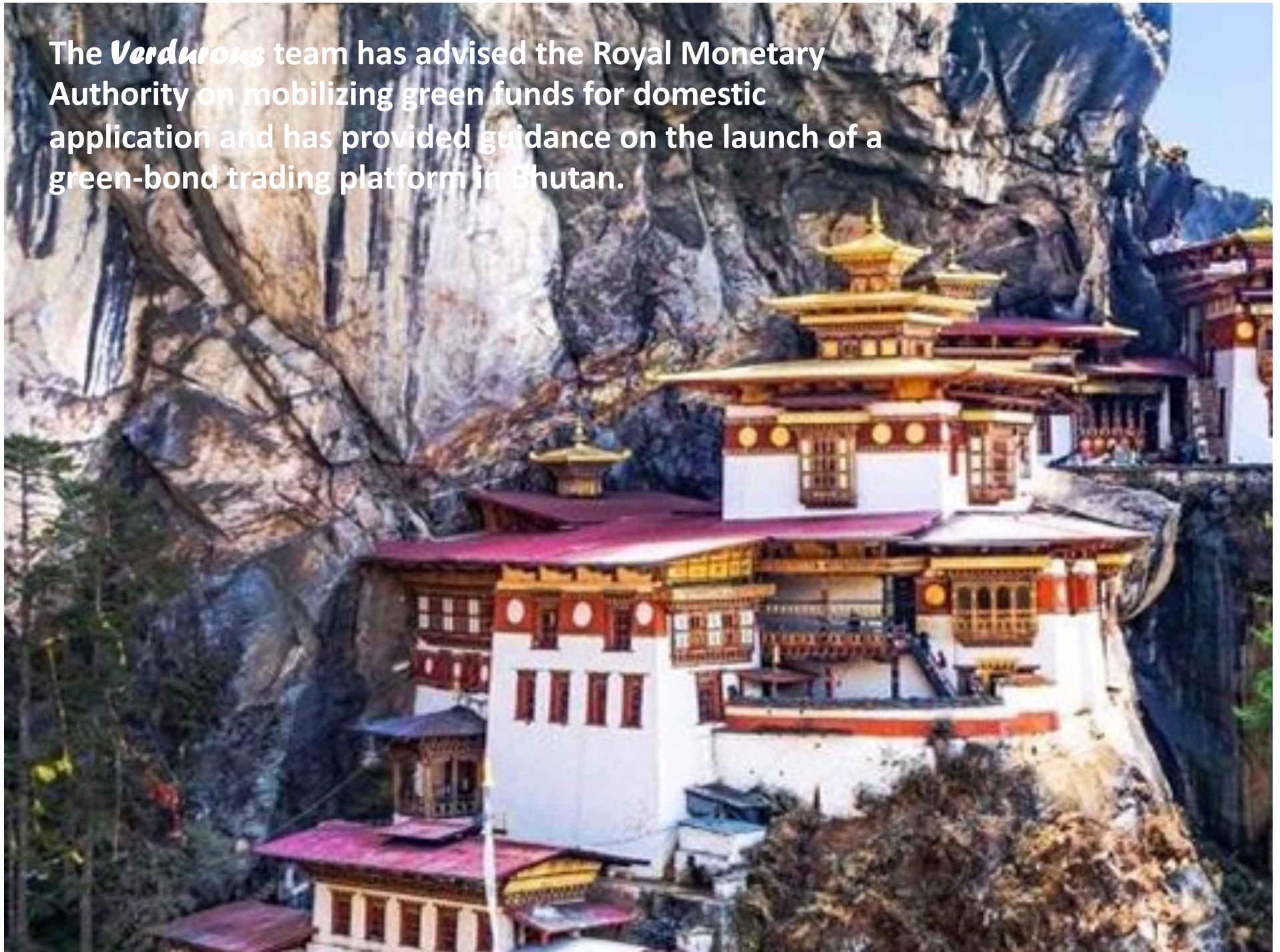


**Verdurous** has developed models for social sustainability of RE projects to generate additional revenues and to enhance the viability of RE projects in competitive markets.

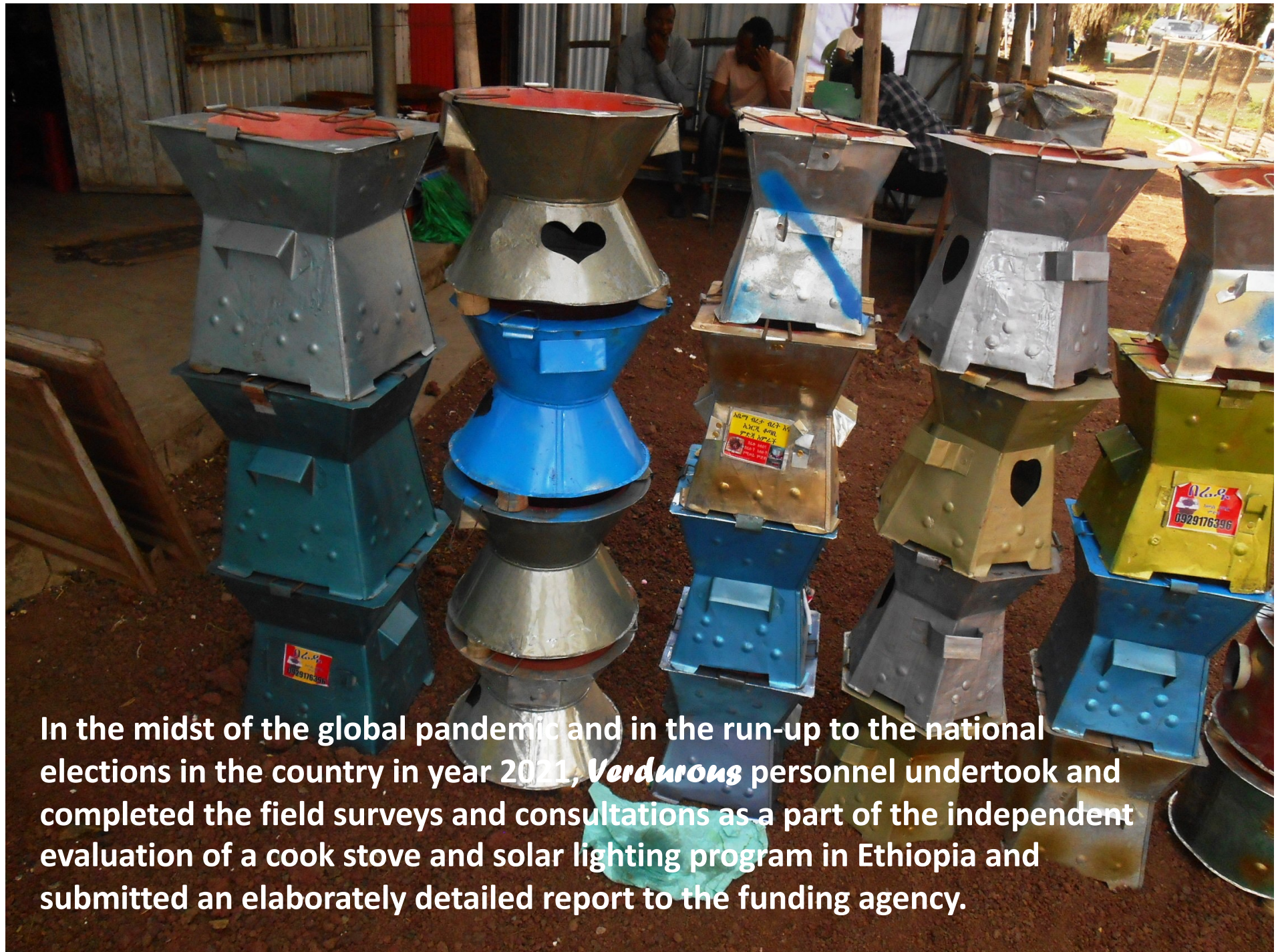




The *Verdurous* team has advised the Royal Monetary Authority on mobilizing green funds for domestic application and has provided guidance on the launch of a green-bond trading platform in Bhutan.



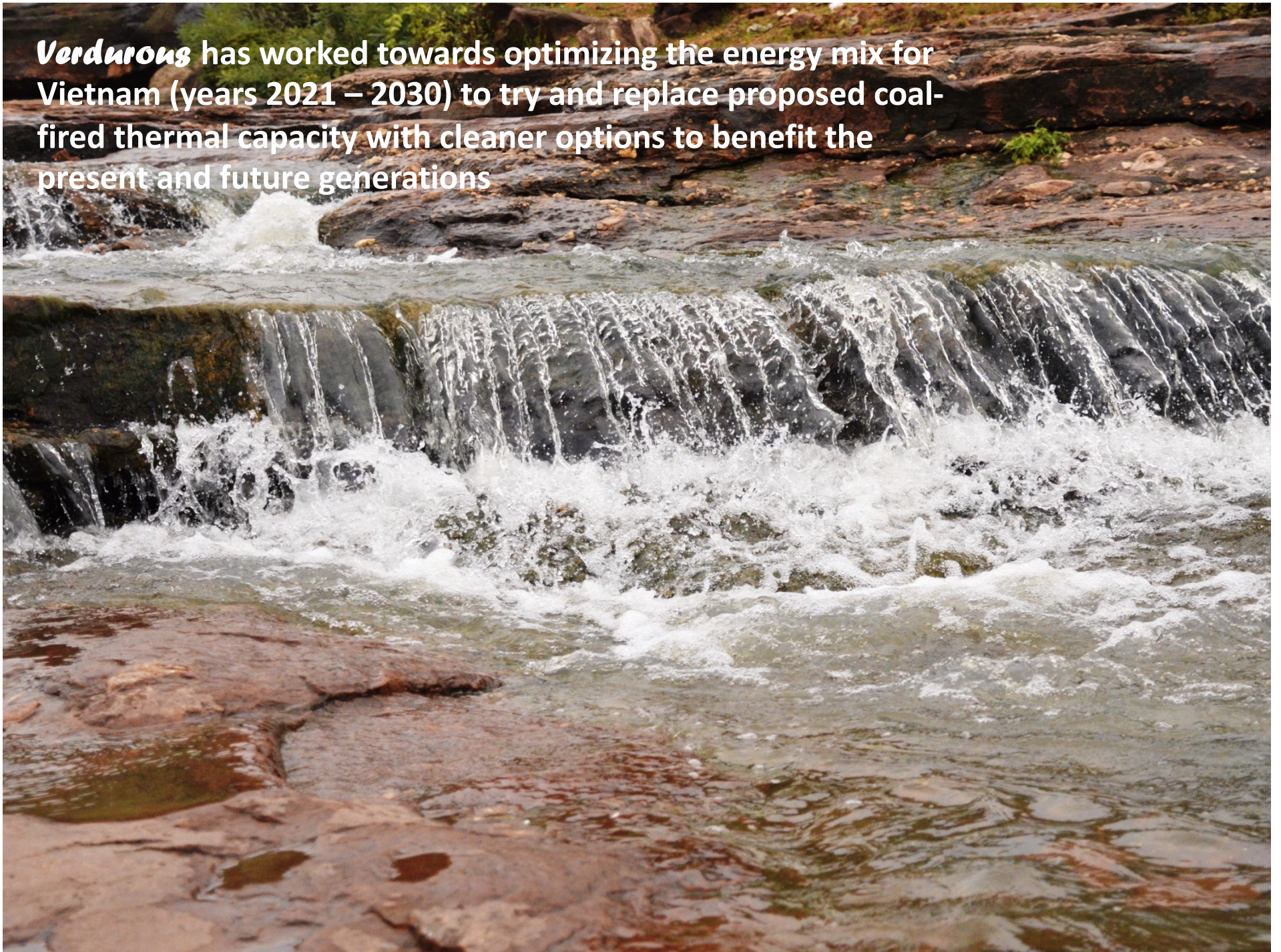




In the midst of the global pandemic and in the run-up to the national elections in the country in year 2021, *Verdurous* personnel undertook and completed the field surveys and consultations as a part of the independent evaluation of a cook stove and solar lighting program in Ethiopia and submitted an elaborately detailed report to the funding agency.

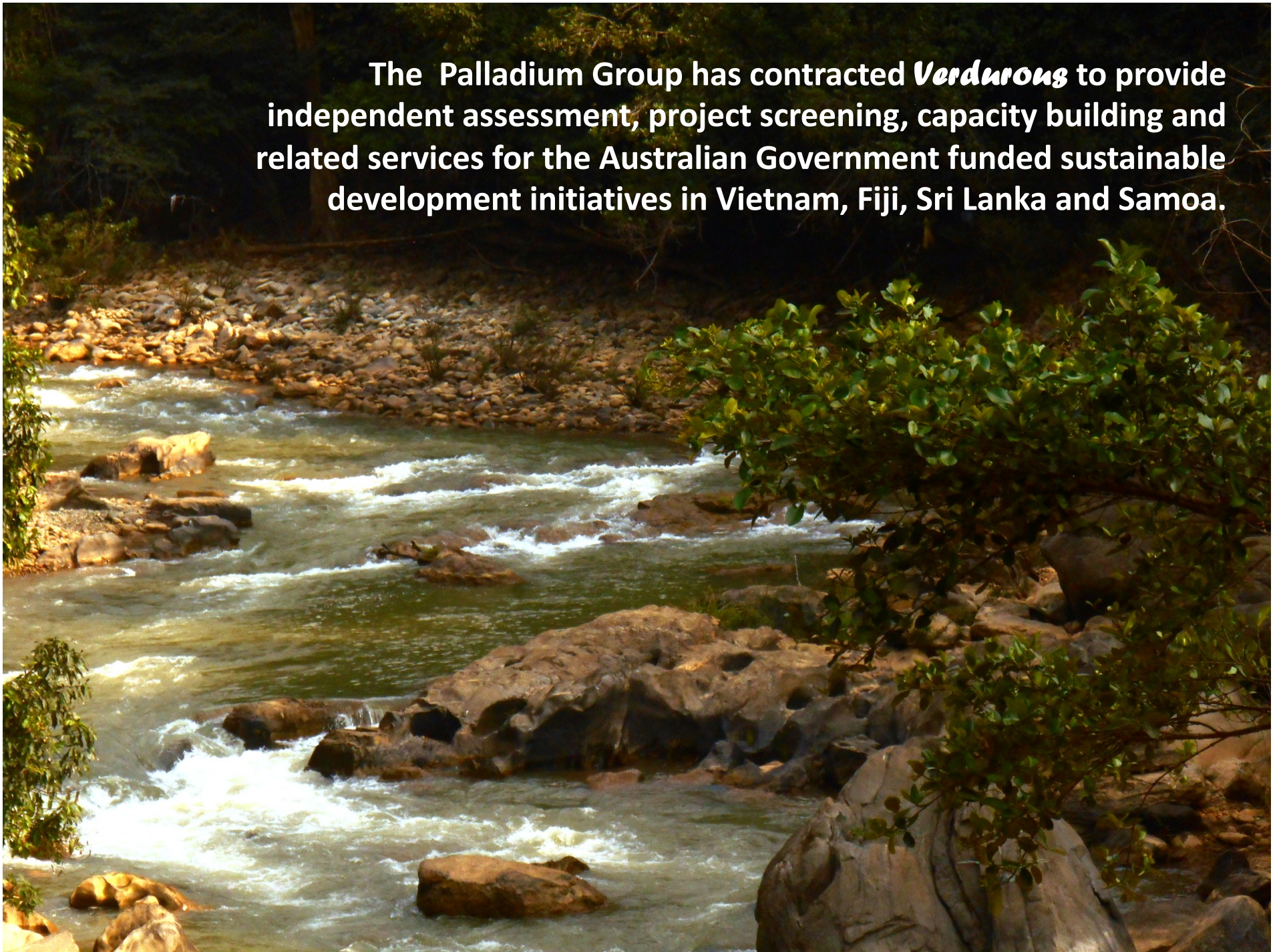


**Verdurous** has worked towards optimizing the energy mix for Vietnam (years 2021 – 2030) to try and replace proposed coal-fired thermal capacity with cleaner options to benefit the present and future generations





The Palladium Group has contracted *Verdurong* to provide independent assessment, project screening, capacity building and related services for the Australian Government funded sustainable development initiatives in Vietnam, Fiji, Sri Lanka and Samoa.





Under assignment with the Global Green Growth Institute (GGGI), the *Verdurous* team has provided policy inputs for the government of Indonesia to increase the proportion of cleaner energy in the country's generation mix through to year 2030.







***Verdurous*** personnel worked with the Global Green Growth Institute in Ethiopia to assess the feasibility of supplying Industrial Parks with Renewable Energy and to develop the policy and regulatory framework for the procurement of such supply.





The next generation in Nepal is excited about biogas digesters: **Verdurous** undertook the independent evaluation of the USAID – funded biogas-specific training of micro-finance institutions implemented by Winrock International / Nepal.





Generations of mountain Gorilla in Rwanda relax in the knowledge that their habitat is well preserved: **Verdurous** worked with the Rwandan Ministry of Natural Resources and UNDP - Rwanda to incorporate environmental considerations into macro-economic planning, across sectors.





Between years 2014 and 2020, *Verdurous* worked closely with UNDP – Vietnam to help the Ministry of Industry and Trade develop Vietnam's *fossil fuel free fiscal policy* that would balance between the present and the future, and reduce the country's dependence on coal: through detailed analyses of tariff regimes for RE deployment and specific contribution to solar PV and solar thermal promotion policy. Prospective investors from across countries were interviewed to understand barriers faced and recommendations were made to the government of Vietnam.





Traders benefit from solar-powered lamps in rural Bangladesh: under assignment with the Asian Development Bank (ADB), *Verdurous* worked on identifying environmentally sustainable alternatives to natural gas, and on promoting hybrid-energy systems in the country..



Under assignment with the Asian Development Bank (ADB) and in partnership with Gauhati University, **Verdurong** undertook field research and conducted an independent socio-economic assessment of the benefits delivered by investments made into rural roads under the Prime Minister's Rural Roads Program (PMGSY) in Assam.





***Verdurous*** helped Greenpeace India identify environmentally-sustainable alternatives to restarting the mothballed (Enron) Dabhol thermal power plant in coastal Maharashtra.





**Verdurous** served as regional partner – South Asia to source investment projects, conduct due diligence and assemble teams of implementing partners for private equity funds: Emerging Asia Clean Energy Fund (Swiss / Dutch) and Focal Energy and Environment (Israeli / American).







**Verdurous** has developed a best practices guide “Knowledge Product” on small-wind, solar – PV, battery and diesel generator hybrid systems basing on experiences with pilot installations in the Maldives, Sri Lanka, Bangladesh, Nepal and Pakistan under an Asian Development Bank (ADB) Research and Development Technical Assistance grant.





The Washington, DC headquartered World Resources Institute (WRI) is a reputed 'think tank' and a 'do tank' seeking to contribute to global development based on rigorous research. *Verdurous* was associated with the Science & Research Team contributing to building capacity and strengthening the quality of research undertaken by the WRI in India and other countries.





In the Philippines, the European Union has been supporting the Department of Energy towards achieving 100% electrification through implementing the SE4ALL initiative. *Verdurous* was involved with assessing concepts and appraising projects for eventual funding by the EU.



Austria, Vienna based Renewable Energy and Energy Efficiency Partnership (REEEP) had contracted *Verdurous* to undertake an independent evaluation of the investment portfolio and to carry out a Meta analysis to help shape investment strategies for the future.





**Verdurous** has constructed a unique green stock-market index incorporating mainstream manufacturing firms with superior environmental credentials, and has tracked the **Verdurous** India Index since 1 January 2006.





**Verdurong** had undertaken the independent assessment and  
Meta Analysis of a portfolio of climate-friendly investments  
made by AusAID among the Pacific Island Nations.






The Clean Energy Financial Institution (later the Clean Energy Development Bank) was constituted to route investments into climate-friendly projects in Nepal including run-of-the-river hydro power, solar PV, cleaner urban transport etc.. *Verdurous* was deputed by the FMO and Triodos Bank to assess the business opportunity and strategic logic, and to appropriately structure investments into the bank.





A photograph of a dense forest with sunlight filtering through the trees onto a rocky stream bed. The scene is lush with green foliage and tall, slender trees. Sunlight rays are visible, creating a dappled light effect on the forest floor and the water in the stream. The stream bed is composed of many smooth, grey rocks of various sizes.


In the spirit of involving indigenous peoples and local residents in conservation and regeneration, *Verdurous* has developed a real-option based methodology to value the consumptive, non-consumptive and existential use of biologically diverse forests and landscapes, and a mechanism to pay for ecological services generated including for carbon sequestration, supply of bush-meat, medicinal plants and herbs, and, for watershed services.



Wind farms are routinely “curtailed” across countries and the installed generation capacity is often under-utilized. With a view to making energy-storage and supply a stand-alone business opportunity, to help with maintaining grid-stability and to striking a balance between demand for, and supply of energy, **Verdurous** has developed an option-based pricing methodology to pay for energy intermediation services.








**Verdurong** has developed a model to analyze the evolution of electricity as an (export) good traded across national boundaries





With a view to strengthening emission reduction markets  
and to making them more efficient, **Verdurous** has  
designed a synthetic (basket) currency along the lines of  
the IMF – SDR that also puts more power in the hands of  
the emission credit sellers





A widely-cited research paper on pricing and incentive structures based on in-house research at **Verdurous** contributed to bringing bio-fuels out of the shadows of food crops.



***Verdurous*** undertook the independent assessment of investments into developing agriculture value chains in Kenya and Tanzania, made by the OPEC Fund for International Development (“OFID”). The detailed report submitted to Vienna, Austria based REEEP was very well received.







Under assignment with the UNDP / UNCDF  
*Verdurous* personnel facilitated and led a  
capacity building workshop for Renewable  
Energy entrepreneurs in Ethiopia



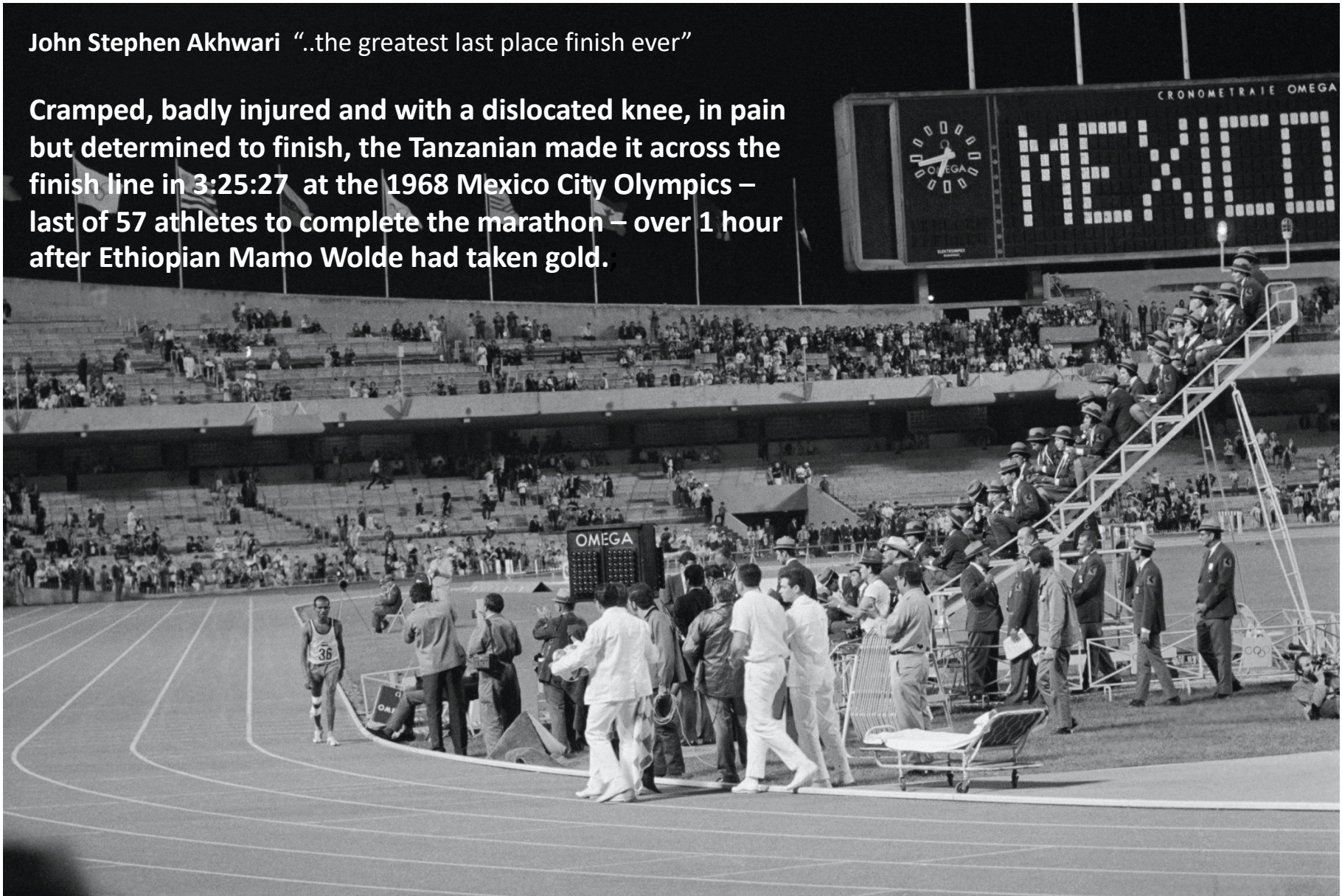


Under assignment with Social Impact, the **Verdurous** team has provided inputs for USAID India's cleaner energy program strategy in the country.



**John Stephen Akhwari “..the greatest last place finish ever”**

**Cramped, badly injured and with a dislocated knee, in pain but determined to finish, the Tanzanian made it across the finish line in 3:25:27 at the 1968 Mexico City Olympics – last of 57 athletes to complete the marathon – over 1 hour after Ethiopian Mamo Wolde had taken gold.**



Picture courtesy: Olympic Athletes' Hub / International Olympic Committee

*"My country did not send me 5,000 miles  
to start the race; they sent me 5,000 miles  
to finish the race."*

*-John Stephen Akhwari*