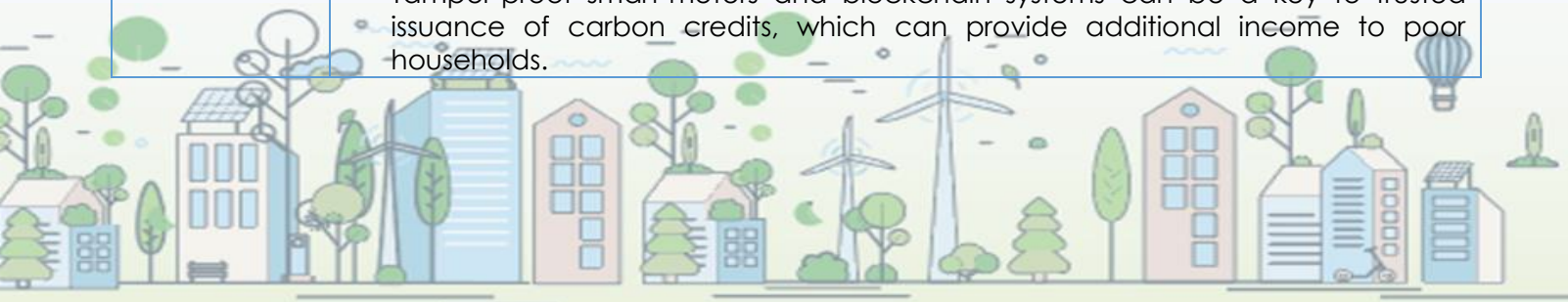


# Stakeholder Engagement

Stakeholder engagement involves collaboration with many stakeholders, often key recipients are directly involved in the planning and consultation process to achieve desired goals for residents and beyond.

<b>Title:</b>	Accelerating Coal-to-Solar Transition in Ger Districts Through Climate Financing in Ulaanbaatar, Mongolia
<b>Summary of Case:</b>	<p>Working with URECA, a climate-tech company, and local NGO GerHub, The Asia Foundation initiated a pilot project in March 2022 that leverages climate finance to accelerate coal-to-solar transition in the Ger Districts. The project's objective is to extend access to carbon credit mechanisms for individual renewable energy producers in Mongolia who currently face limited opportunities to engage in such incentive programs.</p> <p>The project has supported five beneficiary households, containing eleven children by replacing their coal-burning stoves with 1.8-5kW solar energy systems with electric heaters and "ger" insulations. The verification, valuation, and exchange of carbon credits involve the use of a complex system developed by URECA; utilising data collected from tamper-proof smart meters. Data is integrated into a block-chain system that links individual carbon credits to producers for sale or purchase via URECA's marketplace.</p> <p>By the end of November 2022, five families produced their first carbon credits for trading on the URECA marketplace and three of the twenty tons of CO<sub>2</sub>e put up for sale have already been purchased.</p> 
<b>Key Stakeholders:</b>	<ul style="list-style-type: none"> <li>• NGO GerHub</li> <li>• NGO The Asia Foundation</li> <li>• Technology Company URECA</li> </ul>
<b>Key Finance method:</b>	<ul style="list-style-type: none"> <li>• Carbon Financing</li> </ul>
<b>Key Messages and Lessons Learnt:</b>	<ul style="list-style-type: none"> <li>• Impact, public or private financing in exchange or in support of carbon credits, can be used to provide social benefits by reducing health impact of legacy systems, reduce carbon emissions and provide additional income for poor households if setup right.</li> <li>• Tamper-proof smart-meters and blockchain systems can be a key to trusted issuance of carbon credits, which can provide additional income to poor households.</li> </ul>



<b>Title:</b>	Innovative Financing Pilot Project for Deployment of Distributed Photovoltaic Solar for Rural Revitalisation in Hanyin County, Shaanxi Province, China
<b>Summary of Case:</b>	<p>To maximise the use of solar resources and contribute to the carbon peaking and neutrality goals, in 2021 China's National Energy Administration initiated a pilot program entitled "County-wide Development of Distributed Solar Photovoltaics," with 26 counties in Shaanxi Province selected as pilot areas. However, due to a lack of transmission networks and capacity to engage with rural distributed farmers including low projected return on investments. Only 6% of the ambitious target for the deployment of solar had been achieved by 2022.</p> <p>Tencent Sustainable Social Value (SSV), in partnership with China Construction Bank (CCB) Shaanxi Branch, initiated the project "Innovation Pilot on Distributed Solar Photovoltaic (PV) for Rural Revitalisation." to drive distributed solar PV uptake in Shaanxi Province and explore an innovative financing mechanism for charitable projects.</p> <div data-bbox="435 737 1398 1056" data-label="Diagram"> </div> <p>A company is set up by the initial donation funds and the bank also provides loans to the project, which obtains revenue from the sales of electricity to pay off some of the loans and for eventual reinvestment, while also providing a payment to farmers for use of their land in setting up the photovoltaic systems. The initial phase impacted 40 households, with 2<sup>nd</sup> phase scaling up to approx. 4000 households. Had charitable funds alone been used, it would only have scaled to 200 households. The system also allows future private capital or investor to partake in the scheme, and application of "Green Power Certificates" are planned to increase ROI.</p>
<b>Key Stakeholders:</b>	<ul style="list-style-type: none"> <li>• Tencent Sustainable Social Value</li> <li>• China Construction Bank</li> <li>• Local Farmers</li> <li>• Shaanxi Provincial Government</li> <li>• Shaanxi Electric Power Corporation of State Grid</li> </ul>
<b>Key Finance method:</b>	<ul style="list-style-type: none"> <li>• Philanthropic Funds</li> <li>• Private Financing and Low-Interest Loans</li> </ul>
<b>Key Messages and Lessons Learnt:</b>	<ul style="list-style-type: none"> <li>• Capital leverage can allow for a larger scale project, increasing immediate outreach impacts to the number of recipients.</li> <li>• Innovative market-oriented approaches to philanthropy can also help to provide longer term sustainability by allowing charity organisations to reinvest and maintain the programmes.</li> </ul>




<b>Title:</b>	Empowering Community Partners in Developing Plastic Reduction Education Initiatives and Activities in Beijing, China
<b>Summary of Case:</b>	<p>The goal of the project is to improve public awareness and understanding of plastic pollution and to proactively engage in reduction behaviours.</p> <p>Tiantongyuan Community in Beijing comprises 25 neighbourhood committees and has a resident population exceeding 400,000, with well over 1,000,000 residents together in surrounding communities. iGDP, collaborating with the cultural arts centre, community foundation and social organisation incubation centre, held competitions, science exhibitions, seminars and developed knowledge toolkits for student organisations and local NGOs.</p> <p>Videos created by students reached over 160,000 audiences and secured commitments from many residents to reduce plastic use. Community council meetings with students were also used to canvas ideas on using art to spread the message on plastic use reduction and was met positively by families and other community volunteers.</p> <p>Community workers with relevant case studies disseminated knowledge to over 1,500,000 residents on waste sorting, reducing plastic use and on the pollution impacts of plastics. Community workers have been customising education initiatives to suit different demographic groups' habits and interests. For instance, specific activities have been designed for teenagers, such as promoting non-plastic book covers and milk carton recycling. Young adults are engaged in "Plogging" activities, combining jogging with litter clean-up. Older adults are introduced to various methods of repurposing and reusing plastics.</p>
<b>Key Stakeholders:</b>	<ul style="list-style-type: none"> <li>• Local Schools</li> <li>• Local Community Outreach Organisations</li> <li>• Local Science Organisations</li> <li>• Local Community Welfare Organisations</li> </ul>
<b>Key Finance method:</b>	<ul style="list-style-type: none"> <li>• Charitable Grants</li> </ul>
<b>Key Messages and Lessons Learnt:</b>	<ul style="list-style-type: none"> <li>• Community workers play a pivotal role in mobilising local resources.</li> <li>• Effectiveness of education campaigns are amplified when it is integrated with local culture and practical experiences.</li> </ul>





<p><b>Title:</b></p>	<p>Public Engagement in Mindful Energy Consumption: Eco-smart Metering app “E-Keeper” in Suwon City, Republic of Korea</p>																
<p><b>Summary of Case:</b></p>	<p>Suwon city launched the ‘Carbon Monitoring in Our Home’ initiative to accelerate energy efficiency in residential buildings and promote the decarbonisation of the building sector. A mobile application called ‘E-Keeper’ helps apartment residents monitor their energy usage in real time, including gas, electricity, and hot water consumption paired together with the installation of smart meters.</p> <p>The initial phase after an MOU agreement between stakeholders in December of 2022, will involve 1,999 households in three apartment complexes and is expected to scale up based on the outcomes of its initial phase. The second phase is expected to start in August 2023 and go on up to December of 2023.</p> <p>The local government raises public awareness and interest in energy efficiency and the decarbonisation of residential buildings through a series of discussions, seminars, and campaigns. They also designate Citizen Climate Ambassadors to promote the project. These ambassadors play a crucial role in encouraging more apartment buildings to participate and in facilitating project implementation by supporting the installation of the mobile application, opinion collection, organising public campaigns, and fostering collaborative and community-driven activities.</p> <p>The first phase resulted in an average drop in energy consumption of approximately 10% across the 3 monitored apartment complexes.</p> <div data-bbox="451 1060 1404 1465" data-label="Figure"> <table border="1"> <caption>Energy Consumption (kWh) Comparison</caption> <thead> <tr> <th>Complex</th> <th>Before (23.3)</th> <th>After (22.3)</th> <th>Reduction</th> </tr> </thead> <tbody> <tr> <td>Shinmyung Dongbo</td> <td>211,133</td> <td>234,626</td> <td>Reduced 10.01% (23,493 kWh)</td> </tr> <tr> <td>Namgwang Housatory</td> <td>82,579</td> <td>94,009</td> <td>Reduced 12.17% (11,430 kWh)</td> </tr> <tr> <td>Hillstate Homeshil</td> <td>269,205</td> <td>297,816</td> <td>Reduced 9.6% (28,611 kWh)</td> </tr> </tbody> </table> </div>	Complex	Before (23.3)	After (22.3)	Reduction	Shinmyung Dongbo	211,133	234,626	Reduced 10.01% (23,493 kWh)	Namgwang Housatory	82,579	94,009	Reduced 12.17% (11,430 kWh)	Hillstate Homeshil	269,205	297,816	Reduced 9.6% (28,611 kWh)
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<p><b>Key Stakeholders:</b></p>	<ul style="list-style-type: none"> <li>• Suwon City Government</li> <li>• Ajou University</li> <li>• Three Participating Apartment Complexes</li> <li>• Housing Associations</li> </ul>																
<p><b>Key Finance method:</b></p>	<ul style="list-style-type: none"> <li>• Public Financing</li> </ul>																
<p><b>Key Messages and Lessons Learnt:</b></p>	<ul style="list-style-type: none"> <li>• Strong interest by the public in leading low-carbon lifestyles and the use of real time data can potentially produce tangible results.</li> <li>• Given the early stage of the project, data limitations imply that more quantitative and qualitative data are required to assess practical impacts of the project, identify areas for improvement, and facilitate broader scalability across the city.</li> </ul>																



<b>Title:</b>	Public Engagement in Eco-friendly Lifestyle activities in Kyoto, Japan
<b>Summary of Case:</b>	<p>           Despite the overall decrease in energy usage of Kyoto city, the use of energy by the residential sector has not noticeably decreased, even with relatively stable population and increasing prevalence of energy-efficient technologies.         </p> <p>           To accelerate decarbonisation, the "Kyoto-based Decarbonised Lifestyle Promotion Team - 2050 Kyoto Creation Meeting" was established in September 2021, with citizens, businesses, and academics, mainly young people, to create a mechanism for each citizen to shift to their own unique decarbonised lifestyle, aiming to shift to a society and economic activities that are free from carbon dioxide (CO<sub>2</sub>). A website for adopting a decarbonised lifestyle, named '2050MAGAZINE' and social media is actively used to promote the city vision and share information.         </p> <p>           Existing activities from the "DO YOU KYOTO?" Initiatives to reduce waste and car usage through various campaigns such as the "Lights down" and "No-MyCar" have seen some results by reducing waste by 53% from its peak, the use of public transport increased by 26%, while car usage dropped by 18%. Examples of activities such as distributing collected used clothes through the 'RELEASE⇌CATCH initiative' as well as offering training courses and action lists to reduce carbon emissions are taught and promoted.         </p> 
<b>Key Stakeholders:</b>	<ul style="list-style-type: none"> <li>• Kyoto City Government</li> <li>• Affiliated Businesses Local Organisations</li> <li>• Residents</li> </ul>
<b>Key Finance method:</b>	<ul style="list-style-type: none"> <li>• Public Financing</li> </ul>
<b>Key Messages and Lessons Learnt:</b>	<ul style="list-style-type: none"> <li>• Awareness raising campaigns aimed at shifting behaviour patterns, can lead to meaningful reduction in waste, and contribute to lower carbon emissions.</li> <li>• A preferred alternative is for individuals to voluntarily tailor their emissions reductions behaviour according to their lifestyle choices rather than relying solely on psychological pressure and enduring potential discomfort.</li> </ul>

