

PIN's approach to climate resilience

Globally, PIN plays a role in addressing climate change by enhancing the resilience of vulnerable people through solutions that align with green growth and circular economy principles. These solutions aim to reduce greenhouse gas emissions and sequester/stock carbon. In the locations where PIN operates, greenhouse gas emissions per person are lower than the global average, yet many populations will still be disproportionately affected by climate change.

Therefore, PIN focuses on high-quality adaptation programming that includes mitigation where appropriate. In line with the European Green Deal and commitments from the Sofia Declaration on The Green Agenda for The Western Balkans, PIN is committed to supporting national and local authorities to tackle climate change by improving the climate resilience of local communities and contributing to climate change mitigation through the diffusion of green solutions, such as the uptake of Renewable Energy and Energy Efficiency.

PIN's climate change work builds on its global expertise in building resilience to climate shocks for vulnerable communities, promoting sustainable livelihoods through a market systems development approach, and strengthening governance at the local and sub-national level.



PIN's work

GREEN ECONOMY

Advocating for a Circular Economy across the Western Balkans: From 2023, PIN will begin a project called "Circular Economy for Green Transition in Kosovo," supported by the European Commission (EC). PIN has also invested its own innovation funding to scale-up some aspects of the project into Serbia. The objective of the project is to contribute to transitioning to a circular economy in Kosovo by building the capacity of civil society actors to influence policy reform and empower and mobilize civil society organizations (CSOs) to advocate for a gender-responsive transition towards a circular economy in Kosovo.

Introducing Effective Waste Management in BiH: In 2021, PIN began introducing effective waste management in Bosnia and Herzegovina (BiH) through the "Effective Waste Management System in Canton Sarajevo" project. This project, financed by the Czech Development Agency, helps reduce waste in the Canton Sarajevo area by improving solid waste management and capacity development of key stakeholders in the sector.

Circular economy and eco-labelling in Mongolia: PIN has designed and implemented the first SWITCHAsia project in the Agri-Food and Beverage Sector, Switching On the Green Economy, which contributes to the progressive transition to a low-carbon, resource-efficient circular economy, and accelerated poverty reduction in Mongolia by supporting agri-food and beverage micro, small, and medium-sized enterprises (MSMEs), business associations, and retailers in adopting circular economy practices through a market-based eco-labelling system, capacity building, behavior change, and access to green finance.

Promoting Cross-Border Tourism in Georgia: The USAID-funded "Promoting Cross-Border Tourism in Georgia" project aims to develop a new network of rural and adventure tourism actors across Georgia and Armenia, while also supporting sectors that can attract these new market segments. The project targets MSMEs, representatives of the public sector, members of Local Action Groups (LAGs), and Women Resource Centers (WRCs).



ENERGY EFFICIENCY

Green financing in BiH: Under the Horizon 2020 programme, the "Green Financing in Bosnia and Herzegovina" project aimed to make "Green Homes" and "Green Mortgages" for energy-efficient construction or renovation of homes more widely available to consumers. PIN worked to make these options accessible to lower-income beneficiaries in Bosnia and Herzegovina and beyond. The goal was to improve the health and financial stability of low-income households while also reducing carbon emissions and air pollution.

Addressing air pollution through energy efficiency in Mongolia: The "Sheep Wool Building Materials" project developed sustainable supply chains for locally sourced, environmentally friendly sheep wool insulation covering 52,500 square meters of home space. The "Cooking, Heating, and Insulation Products (CHIP)" project, with funding from UNICEF, helped more than 2,000 households transition from coal-based heating to electric heating and cooking, improving indoor ambient air quality in the process. The "Switch Off Air Pollution" (SOAP) project, financed by the EU's SwitchAsia grants program, aimed to reduce coal consumption from Ulaanbaatar's Ger area through coordinated action in the field of energy efficiency in housing construction.

RENEWABLE ENERGY

Solar-based solutions in Cambodia: UPIN is implementing a project that uses a blend of market-based approaches to improve the environmental impact of agribusiness by transitioning to green energy consumption. The project aims to increase productivity and profitability, reduce operational costs, create new green jobs and decrease CO2 emissions. The main goal of the project is to make solar-based solutions more accessible and economically appealing to rural farmers.

Developing sustainable, market-driven biogas and solar energy solutions for rural communities: In Cambodia, PIN is developing sustainable, market-driven biogas and solar energy solutions for rural communities. The project aims to provide access to renewable sources of energy for rural communities, reducing CO2 by improving the supply and marketing capacities of suppliers, increasing distribution channels in remote areas, strengthening after-sales services, and promoting the sale and usage of new and innovative products such as flood-proof and easy-to-install plastic biodigester models.

RESILIENCE BUILDING

Climate Change Toy Model in Nepal: PIN developed a climate change "Toy Model" – an interactive scenario model for improved understanding of local climate change impacts in vulnerable hill areas. The Model helps to co-define methodologies to bringing into conversation local experiences and knowledge of climate change with current science on future climate impacts in rural Nepal.

Early Warning System established across Cambodia: Projected climate change trends indicate an increase in both the frequency and intensity of extreme weather events and more severe floods in the coming decades. In response to the absence of any structured early warning system in Cambodia, PIN launched the EWS1294 in 2013. Today, EWS1294 is now officially recognized and owned by the Royal Government of Cambodia as the national early warning system, covering all Cambodian provinces. Since its development in 2013, EWS1294 has successfully disseminated 774,000 alerts to at-risk communities and families.

Sustainable agriculture and reforestation in Ethiopia: PIN supports Ethiopia through participatory development of productive landscapes and ecological stability of the Dijo-Bilate River Watershed to address deforestation, erosion, droughts and floods.

Capability Statement - Climate Change

In addition to providing emergency relief, PIN works to build the capacity of cooperatives, civil society organizations, and local authorities, promote sustainable living, strengthen higher education, protect the environment, and combat air pollution. The organization helps both government and non-government stakeholders to raise awareness about climate change and uses civil society engagement techniques and behavioral science to promote the adoption of climate-smart solutions and green development, in line with the European Green Deal and commitments from the Sofia Declaration on The Green Agenda for The Western Balkans.

PIN's core expertise - climate change related

- PIN offers vocational education and support for market and financial opportunities for alternative, eco-friendly, and energy-efficient livelihoods and buildings (e.g. sheep wool insulation) through a Market Systems Development approach. For more information, see our Climate Smart Energy Solutions flagship program and MSD Good Practice guides on Market-Driven Vocational and Education Training and Enabling Poor People's Access to Essential Products and Services.
- We provide climate-smart and environmentally friendly technical solutions at the household level (e.g. animal husbandry, gardening, thermal insulation, modern heating and insulation for gers) and sustainable value chains.
- We work on Disaster Risk Reduction (DRR) and disaster preparedness and mitigation for herders in drought/flood-affected areas and the development of Early Warning Systems (EWS).
- We empower local communities, Civil Society Organizations (CSOs), the private sector, and local authorities for good governance and networking on environmental protection in urban areas and rangelands, and leverage advocacy capacity.
- We provide capacity building and awareness campaigns on air and environmental pollution to Local Authorities, schoolchildren, students, and the general public using social and behavior change methods (see our resource website here: www.behaviourchange.net and our expertise in Good Governance).
- We use technology to understand and map pollution causes and solutions, such as air quality monitoring, drone mapping, and air quality data visualization.



PIN's national and international human resources

PIN can rely on a pool of in-house international advisors to provide Technical Assistance in the formulation and implementation of the interven-tions, both in humanitarian and development contexts, on a variety of topics such as: climate change, natural resource management, agriculture, Market Systems Development, Behavioural Change, gender and inclusion, protection, education, good governance, advocacy, sustainable water services, food security, nutrition, public health, MEAL, innovations, grants development.





PIN Western Balkans Expertise

- Mr Tim Jenkins leads PIN's advocacy on climate change action in Western Balkans and beyond.
 He is PIN's Regional Representative for Western Balkans and a global strategic communications
 expert with more than 10 years working on climate and environmental programming for PIN,
 UNDP, and UNICEF.
- Mr Burgos Julian Climate Resilience Strategy Lead. A development professional with over 15 years' experience covering a large range of climate resilience disciplines both mitigation and adaptation in development and humanitarian contexts. He holds a Master on Environmental management. He has strong experience in project life cycle management from design to evaluation and learning.
- Mr Fabrizio Orsini Global Climate Change Advisor. He is an environmental scientist with 12+ years' professional experience in the international development context worldwide, with both the not-for-profit and international consultancies, particularly on climate change, NRM, agriculture and WASH.



PIN international key human resources

- Mr Jan Svitalek Advisor for Agriculture and Natural Resource Management: specialist in tropical agriculture and rural development with 12+ years of professional experience worldwide in international development programs, humanitarian assistance as well as conservation.
- Ms Sarah Prunier-Duparge Good Governance Advisor: Design and technical advice for a range of programs including civil society engagement in local and national govern-ment planning and policy making, civil society organisational development and youth empowerment.
- Ms Blessing Allen-Adebayo Market Systems Development Advisor: analysis and mapping
 of markets through a systemic approach, techniques for engaging a wide range of actors
 including the private sector and vulnerable communities, in order to achieve sustainable
 improvements in live-lihoods and the environment.
- Mr Pavel Bělíček SMEs and Social Enterprises Advisor: strengthening SMEs and social
 enterprises, including the design and delivery of training and mentoring, market research and
 marketing and adoption of appropriate tools.
- Ms Giulia Cappellazzi GESI and Protection Advisor: mainstream gender, social inclusion and protection topics into strategies, programmes/ projects and activities ensuring appropriate use of approaches and tools in emergency response, recovery and development programmes. See an example tool: Gender Analysis Guide.

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