



- Women and girls have valuable knowledge and skills that make them powerful change agents in designing and implementing climate solutions.
- When women are leaders, approaches to climate change adaptation and mitigation are more effective, benefit more people, and increase resilience.
- SERVIR addresses the localized challenges women and girls face due to climate change by connecting them to geospatial information and empowering them as leaders in climate action.

## GENDER RESPONSIVE CLIMATE ACTION

### SERVIR'S APPROACH

SERVIR is a flagship program between NASA and USAID that uses geospatial information to support sustainable, climate-resilient decision-making in 45+ countries in Asia, Africa, and Latin America. Combining information from NASA satellites, ground-based data, and geospatial experts in the U.S. and abroad, SERVIR co-develops geospatial services with local partners to address critical challenges in food security, climate change, land cover and land use, weather and natural disasters, water resource management, and air quality. SERVIR operates through five regional “hubs” of local experts in Amazonia, Eastern and Southern Africa, West Africa, Hindu Kush Himalaya, and Mekong.

### GENDER-SENSITIVE GEOSPATIAL CLIMATE SOLUTIONS

Women and girls bear the brunt of the dire impacts of the climate crisis, but they also have valuable knowledge and expertise to help build climate resilience. SERVIR builds gender-responsive geospatial services by empowering women and girls as thought leaders in the geospatial and earth sciences so that they can take on leading roles as decision-makers.

### SERVIR BY THE NUMBERS



45+

Countries directly served by SERVIR activities



40+

Geospatial services



3200+

Women trained in land cover, land use, and ecosystems; water resources and related disasters, health and air quality, agriculture and food security



SERVIR fosters the development of **women leaders and gender equality champions**

Empowering women as leaders in the geospatial sector involves building gender-sensitive institutions. In 2020-2021, SERVIR hubs in Kenya and Niger developed **gender action plans** to remove barriers facing women in the workplace, addressing issues including sexual harassment and parental leave. SERVIR organizes **quarterly community of practice meetings** with over 80 gender equality champions from across the network to share best practices, foster collaboration and learning, and support individual empowerment.



SERVIR creates opportunities for women and girls in **STEM - Science, Technology, Engineering and Math**

Access to educational and mentorship opportunities is key to empowering women and girls in STEM. In West Africa (Burkina Faso, Ghana, Niger, and Senegal), SERVIR has **twenty one Club SERVIR chapters** that expose youth, especially girls, to geospatial technology. In South Asia, SERVIR introduces early career women to the geospatial sector through **geospatial information technology courses tailored to women**. SERVIR also leads interactive sessions and provides mentoring for girls in Sub-Saharan Africa during the annual **Women in Science STEM camp**.



SERVIR uses remote sensing and geographic information systems (GIS) to design **inclusive development solutions**

Inclusive geospatial services consider context specific gender roles and dynamics, differences in access to and control of resources and technology, and processes of social inclusion/exclusion. In Nepal, SERVIR is collecting **sex disaggregated data on community forest groups** to provide a better evidence base on how climate change is impacting communities. SERVIR's online tool for **visualizing gender inequality at sub-national levels** in Cambodia and Vietnam will support gender-responsive planning in land access, health, employment, and household decision-making.



SERVIR integrates gender considerations into its **geospatial service planning approach**

Effective geospatial services consider gender in their design. In 2021, SERVIR updated the network's Service Planning Toolkit, a guide to co-developing geospatial services, to provide more **examples of and techniques for gender integration in service design**. The revision draws from a collection of case studies that illustrate how the network has successfully integrated gender considerations into the service development process and ensured that the services developed are responsive to the needs of women and girls.



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