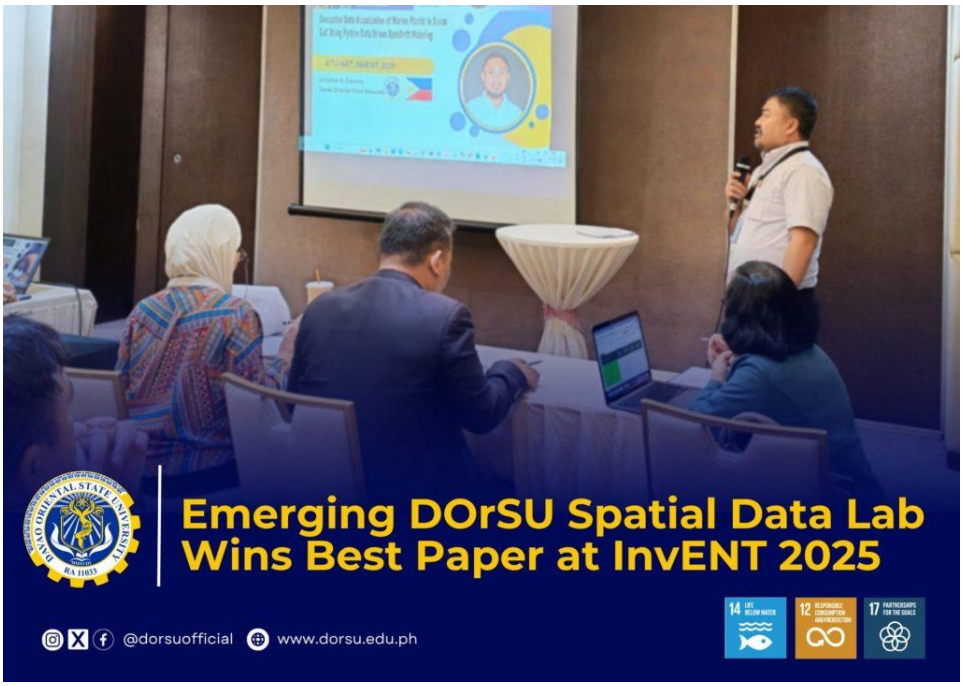
17.2.3 International collaboration data gathering for SDG

Davao Oriental State University Engages in International Research Collaboration for SDG-Related Data Generation

Davao Oriental State University (DOrSU) strengthens international research partnerships to support the generation, analysis, and sharing of scientific data relevant to sustainable development. Through collaborations with international universities, research institutions, and development organizations, the University contributes to research initiatives addressing biodiversity conservation, climate change, marine pollution, and environmental sustainability.

Notable initiatives in 2025 include:

1. **Geospatial Data Visualization of Marine Plastic in Davao Gulf (July 2025**) – DOrSU researchers developed a data-driven study using Python and OpenDrift modeling to analyze the movement and accumulation of marine plastic originating from 39 rivers around Davao Gulf. The research was funded by the United Nations Development Programme (UNDP) in partnership with ADDVentures Innovation Center. It generated spatial and seasonal data to identify pollution hotspots and inform marine pollution management.



Emerging DOrSU Spatial Data Lab Wins Best Paper at InvENT 2025

2. **International Climate Research Collaboration with Nong Lam University, Vietnam (November 2025**) – DOrSU explored research collaboration with the Research Center for Climate Change of Nong Lam University through its Spatial Data Center for Regenerative Futures (SDCRF). The discussions focused on potential joint research initiatives addressing climate resilience and regenerative development.



DOrSU Formalizes Membership with ATU-Net, Signs New International Partnerships in Vietnam

3. **Research Partnership with Czech University of Life Sciences Prague (March 2025) –** DOrSU formalized an international academic and research partnership with the Czech University of Life Sciences Prague, providing opportunities for joint research, faculty exchanges, academic conferences, and research resource sharing.



Through these initiatives, DOrSU expands its international research network and strengthens its capacity to generate scientific evidence, utilize spatial and environmental data, and contribute to sustainability-related research and decision-making.

Czech University of Life Sciences Prague, DOrSU Sign MOU for Academic Partnership