

ADWANCE-Asia (2026-2029)

Advancing Wastewater & Environmental Surveillance for Public Health Impact in Asia

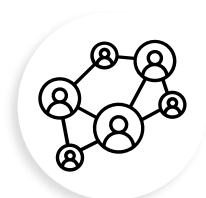
ADWANCE-Asia is a direct grant to the [Asia Pathogen Genomics Initiative \(Asia PGI\)](#), an initiative from the Duke-NUS Centre for Outbreak Preparedness, with funding from the [European Commission \(EC\)](#) to support **wastewater surveillance for the early detection of infectious disease threats in Asia**.

This project aims to support Asian countries to institutionalise sustainable and fit-for-purpose wastewater and environmental surveillance (WES) systems by applying lessons and scientific evidence generated from regional networks and partnerships, including EU-led programmes and global initiatives.

Funding body: the European Union's European Health and Digital Executive Agency (HaDEA)

Duration: 3 years, starting February 2026

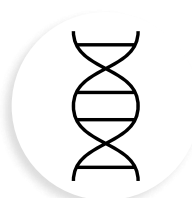
Focus Areas



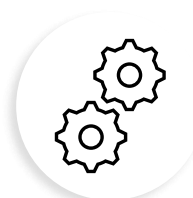
**Network
collaboration**



**Capacity
building**



**Capability
development**



**Strategic evidence
& integration**

**Work
Packages
(WPs) & key
deliverables**

WP1-Project management & coordination: project website; project leaflet; evaluation report; dissemination report

WP2-Development & validation of low-cost, multi-pathogen WES assays: Preferred Product Characteristic models for WES assays; validated multi-pathogen WES assay; agreement on low-cost procurement models

WP3-Strengthening WES technical & innovation capacity: technical trainings and training impact reports; PathGen prototype; implementation trial of PathGen prototype

WP4-Integration of WES as national collaborative system: regional guidance frameworks on legal and ethical dimensions of WES; reports on multi-country investment use cases, policies, strategies and implementation; mapping of WES databases/dashboards in Asia