

The Twenty-sixth Session of the Scientific Advisory Committee (SAC26)
on the Acid Deposition Monitoring Network in East Asia
20-22 October 2026, Kuala Lumpur, Malaysia (Hybrid)

Summary of the National Monitoring Plans in 2026

Network Center for EANET

I. Background

1. National Monitoring Plan (NMP) includes the information on monitoring sites, monitoring methods, monitoring frequency etc. in participating countries. This information is crucial for QA/QC activities in the EANET. First summarization of the NMP was prepared in November 2001. The NMP is required to be submitted when the participating countries submit their annual monitoring data to the Network Center (NC). Additionally, when the participating countries make some revision, the revised NMP shall be submitted to the NC as soon as possible. The NMP has been prepared using the template which was provided in the Quality assurance/Quality control (QA/QC) Guidebook for Acid Deposition Monitoring Network in East Asia -2016 (November 2016, Network Center for EANET).
2. The NMP shall be reviewed every year and shall be revised by each participating country, if necessary, because
 - i) The EANET activities shall be carried out according to the NMP; and
 - ii) Suitability of the completed activities to the NMP needs to be checked every year. Even if there is no point of revision, the existing state of the EANET activities can be re-confirmed periodically and this state should be reported to the NC.

II. Preparation of NMP based on the revised template

3. The participating countries implement their EANET monitoring activities in accordance with their own NMP for each year. The NC has prepared the final draft template of the NMP as the part of the QA/QC Guidebook (Fig.1). The electronic template (https://www.eanet.asia/wp-content/uploads/2019/04/QAQC_Guidebook_Appendix.doc) of the NMP is available as a part of the QA/QC Guidebook 2016 (https://www.eanet.asia/wp-content/uploads/2019/04/QAQC_Guidebook2016.pdf). For each year, the NMP needs to be updated by the National QA/QC manager in each participating country and reviewed at the STM meeting.
4. The outcome of the STM27 meeting where the draft NMPs for the year 2026 were reviewed has been reflected to the revision processes for the draft with communication between the NC and the National QA/QC managers in the participating countries. The NC compiled the finalized NMPs that will be reported at the SAC26. The site information on the EANET website will be updated based on the finalized NMPs.

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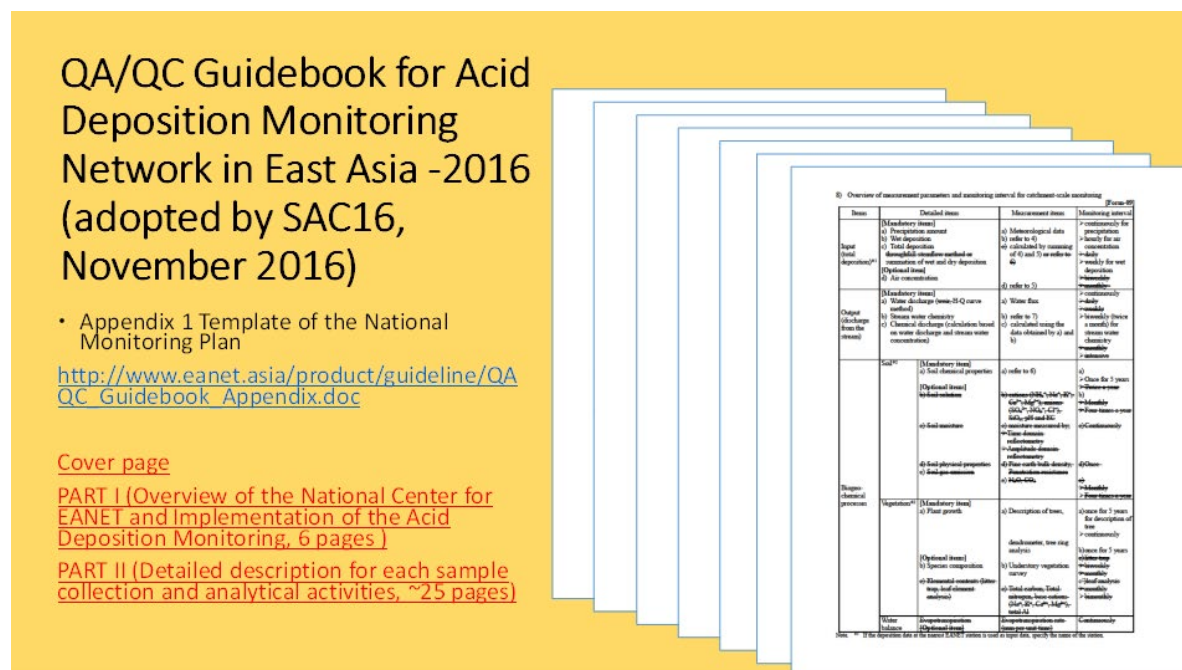


Fig.1 QA/QC Guidebook for EANET -2016

III. Development of NMP in 2026

5. Overview of the NMP in 2026 including list of sites and monitoring items are shown in Attachment 1. Maps and number of monitoring sites are summarized in Attachment 2. The information collected from participating countries was confirmed at the STM27. Each national QA/QC manager was requested to check the Attachment 1 and 2, and then report to the NC if one finds errors and necessary modifications. The process is very important because the validation of monitoring data 2026 shall be done referring the NMP 2026 of each participating country. The summary of the finalized NMP in 2026 will be reported at the SAC26 meeting held on 20-22 October 2026.

IV. Action required

6. The Twenty-sixth Session of the Scientific Advisory Committee (SAC26) Meeting is invited to provide comments, suggestions, and opinions about the National Monitoring Plan 2026 of each participating country and the current monitoring status and future monitoring activities of EANET.

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Attachment 1

Overview of the National Monitoring Plan 2026

Gray letters: No monitoring plans in the NMP 2026.

Cambodia

Items	Monitoring Sites	Code	Classification	Monitoring Interval	Measurement Parameters	Remarks (Start time)	Data Report 2024	Plan 2026
Air	Phnom Penh	KHA001	Urban	AT(hourly)	PM _{2.5} , O ₃ , NO, NO ₂ , NO _x	APR 2017 AUG 2019	✓	✓
				FP(biweekly)	SO ₂ , HNO ₃ , HCl, NH ₃ , PMC ^b	FEB 2010	-	✓
Wet	Phnom Penh	KHA001	Urban	weekly	Mandatory items ^a	APR 2004	-	✓
Inland	Sras Srang Lake	KHI002	Remote	-	Mandatory items (Lake) ^c	2012	-	✓

China

Items	Monitoring Sites	Code	Classification	Monitoring Interval	Measurement Parameters	Remarks (Start time)	Data Report 2024	Plan 2026
Air	Chongqing -Jiayunshan	CNA004	Rural	AT(daily)	SO ₂ , NO, NO _x ^a , PM ₁₀ , PM _{2.5} , O ₃	JAN 2001	✓	✓
	Xiamen-Hongwen	CNA008	Urban	AT(daily)	SO ₂ , NO ₂ , PM ₁₀ , PM _{2.5} , O ₃	JAN 2000	✓	✓
	Zhuhai-Haibin-Park	CNA012	Urban	AT(daily)	SO ₂ , NO ₂ , PM ₁₀ , PM _{2.5} , O ₃	JAN 2012	✓	✓
	Wuzhishan-Wuzhishan	CNA013	Remote	AT(daily)	SO ₂ , NO ₂ , PM ₁₀	JAN 2019	✓	✓
	Lijiang-Lijiang	CNA014	Remote	AT(daily)	SO ₂ , NO ₂ , PM ₁₀	JAN 2019	✓	✓
Wet	Chongqing-Haifu	CNA003	Urban	daily	Mandatory items ^a + F ⁻ +HCO ₃ ⁻	JAN 2008	✓	✓
	Chongqing-Jiayunshan	CNA004	Rural	daily	Mandatory items ^a + F ⁻ +HCO ₃ ⁻	APR 1999	✓	✓
	Xi'an-Shizhan	CNA005	Urban	daily	Mandatory items ^a	APR 1999	✓	✓
	Xi'an-Jiwozi	CNA007	Remote	daily	Mandatory items ^a	APR 1999	✓	✓
	Xiamen-Hongwen	CNA008	Urban	daily	Mandatory items ^a + F ⁻	APR 1999	✓	✓
	Xiamen-Xiaoping	CNA009	Remote	daily	Mandatory items ^a + F ⁻	APR 1999	✓	✓
	Zhuhai-Xiangzhou	CNA010	Urban	daily	Mandatory items ^a + F ⁻	APR 1999	✓	✓
	Zhuhai-Zhuxiandong	CNA011	Urban	daily	Mandatory items ^a + F ⁻	DEC 1999	✓	✓
	Wuzhishan-Wuzhishan	CNA013	Remote	daily	Mandatory items ^a + F ⁻	JAN 2019	✓	✓
	Lijiang-Lijiang	CNA014	Remote	daily	Mandatory items ^a + F ⁻	JAN 2019	✓	✓
Soil & vegetation	Chongqing -Jiayunshan	CNS004	Rural	Every 5 years except for observation of tree decline (every year)	Soil (Mandatory items ^d + Optional items ^e)/Vegetation (Mandatory items ^f)	2000	✓	✓
	Xi'an-Dabagou	CNS007	Remote	ditto	ditto	2001	✓	✓
	Xiamen-Xiaoping	CNS009	Remote	ditto	ditto	2000	✓	✓
	Zhuhai-Zhuxiandong	CNS011	Urban	ditto	ditto	2001	✓	✓
Inland	Chongqing-Jiayunshan Lake	CNI004	Rural	4 times/y	Mandatory items (Lake) ^c	2001	✓	✓
	Xi'an-Jiwozi River	CNI007	Remote	4 times/y	Mandatory items (River) ^g	2001	✓	✓
	Xiamen-Xiaoping Dam	CNI209	Remote	4 times/y	Mandatory items (Lake) ^c	2001	✓	✓
	Zhuhai-Zhuxiandong Stream	CNI111	Urban	4 times/y	Mandatory items (River) ^g	2004	✓	✓

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Indonesia

Items	Monitoring Sites	Code	Classification	Monitoring Interval	Measurement Parameters	Remarks (Start time)	Data Report 2024	Plan 2026
Air	Kototabang	IDA003	Remote	PS (biweekly)	SO ₂ , NO ₂	JAN 2007	-	-
	Jakarta	IDA001	Urban	PS (biweekly)	SO ₂ , NO ₂	JAN 2007	-	-
	Bandung 2	IDA008	Urban	PS (biweekly)	SO ₂ , NO ₂ ?	2026	-	✓
Wet	Jakarta	IDA001	Urban	weekly	Mandatory items ^a	APR 1998	✓	✓
	Serpong	IDA002	Rural	weekly	Mandatory items ^a	APR 1998	-	✓
	Kototabang	IDA003	Remote	weekly	Mandatory items ^a	APR 1998	✓	✓
	Bandung 2	IDA008	Urban	weekly	Mandatory items ^a	2025	-	✓
	Maros	IDA005	Rural	weekly	Mandatory items ^a	JAN 2008	✓	✓
	Jembrana	IDA006	Rural	weekly	Mandatory items ^a	JAN 2019	✓	✓
	Lombok	IDA007	Rural	weekly	Mandatory items ^a	JAN 2019	✓	✓
Inland	Patengang Lake	IDI004	Remote	4 times/y	Mandatory items (Lake) ^c	2001	-	✓
	Gunung Lake	IDI006	Remote	4 times/y	Mandatory items (Lake) ^c	2008	-	✓

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Japan

Items	Monitoring Sites	Code	Classification	Monitoring Interval	Measurement Parameters	Remarks (Start time)	Data Report 2024	Plan 2026
Air	Rishiri	JPA001	Remote	AT(hourly) FP(biweekly)	SO ₂ , ~~NO_x~~ , O ₃ , PM ₁₀ , PM _{2.5} HNO ₃ , HCl, NH ₃ , PMC ^b	AT JAN 1999 FP JUL 2002	✓	✓
	Ochiishi	JPA002	Remote	AT(hourly) FP(biweekly)	SO ₂ , ~~NO_x~~ , O ₃ , PM ₁₀ , PM _{2.5} HNO ₃ , HCl, NH ₃ , PMC ^b	AT JAN 2008 FP APR 2008	✓	✓
	Ogasawara	JPA011	Remote	AT(hourly) FP(biweekly)	SO ₂ , ~~NO_x~~ , O ₃ , PM ₁₀ , PM _{2.5} HNO ₃ , HCl, NH ₃ , PMC ^b	AT JAN 1999 FP APR 2003	✓	✓
	Sado-seki	JPA004	Remote	AT(hourly) FP(biweekly)	SO ₂ , ~~NO_x~~ , O ₃ , PM ₁₀ , PM _{2.5} HNO ₃ , HCl, NH ₃ , PMC ^b	AT MAY 1999 FP APR 2003	✓	✓
	Happo	JPA005	Remote	AT(hourly) FP(biweekly)	SO ₂ , ~~NO_x~~ , O ₃ , PM ₁₀ , PM _{2.5} HNO ₃ , HCl, NH ₃ , PMC ^b	AT JAN 1999 FP APR 2003	✓	✓
	Oki	JPA007	Remote	AT(hourly) FP(biweekly)	SO ₂ , ~~NO_x~~ , O ₃ , PM ₁₀ , PM _{2.5} HNO ₃ , HCl, NH ₃ , PMC ^b	AT JAN 1999 FP APR 2002	✓	✓
	Tsushima	JPA014	Remote	AT(hourly) FP(biweekly)	SO ₂ , ~~NO_x~~ , O ₃ , PM ₁₀ , PM _{2.5} HNO ₃ , HCl, NH ₃ , PMC ^b	APR 2020 (AT(O ₃ , PM) JAN 2019)	✓	✓
	Yusuhara	JPA009	Remote	AT(hourly) ~~FP(biweekly)~~	~~SO₂, NO_x, O₃, PM₁₀, PM_{2.5}~~ HNO ₃ , HCl, NH ₃ , PMC ^b	AT JAN 2000 ~~FP APR 2003~~	✓	✓
	Hedo	JPA010	Remote	AT(hourly) FP(biweekly)	SO ₂ , ~~NO_x~~ , O ₃ , PM ₁₀ , PM _{2.5} HNO ₃ , HCl, NH ₃ , PMC ^b	AT JAN 2000 FP MAY 2003	✓	✓
	Ijira	JPA006	Rural	AT(hourly) FP(biweekly)	SO ₂ , ~~NO_x~~ , O ₃ , PM ₁₀ , PM _{2.5} HNO ₃ , HCl, NH ₃ , PMC ^b	AT JUN 1999 FP APR 2003	✓	✓
	Tokyo	JPA012	Urban	FP(biweekly)	SO ₂ , HNO ₃ , NH ₃ , PMC ^b	FP APR 2007	✓	✓
Wet	Rishiri	JPA001	Remote	~~daily~~ -biweekly	Mandatory items ^a	APR 1998	✓	✓
	Ochiishi	JPA002	Remote	~~daily~~ -biweekly	Mandatory items ^a	APR 2003	-	✓
	Ogasawara	JPA011	Remote	~~daily~~ -biweekly	Mandatory items ^a	MAY 1999	✓	✓
	Sado-seki	JPA004	Remote	~~daily~~ -biweekly	Mandatory items ^a + HCO ₃ ⁻	APR 1999	✓	✓
	Happo	JPA005	Remote	~~daily~~ -biweekly	Mandatory items ^a	APR 1998	✓	✓
	Oki	JPA007	Remote	~~daily~~ -biweekly	Mandatory items ^a	APR 1998	-	✓
	Yusuhara	JPA009	Remote	~~daily~~ -biweekly	Mandatory items ^a + F ⁻ , NO ₂ ⁻ , PO ₄ ³⁻	DEC 1999	✓	✓
	Tsushima	JPA014	Remote	~~daily~~ -biweekly	Mandatory items ^a	APR 2019	✓	✓
	Hedo	JPA010	Remote	~~daily~~ -biweekly	Mandatory items ^a	DEC 1999	-	✓
	Ijira	JPA006	Rural	~~daily~~ -biweekly	Mandatory items ^a	JUN 1999	✓	✓
Soil and vegetation	Ijira	JPS006	Rural	Once in 5 years	Soil (Mandatory items ^d + Exchangeable cations (Al ³⁺ , H ⁺) / Vegetation (Mandatory items ^f + Photographic record of tree decline, Estimation of decline	1999	✓	✓
	Sekido-san, Horyu-san	JPS105	Rural	Once in 5 years	ditto	2019	✓	✓
Inland	Ijira Lake	JPI006	Rural	4 times/y	Mandatory items (Lake) ^e except for Total P and Total N + Total dissolved Al	2001	✓	✓
	Futago-ike	JPI005	Remote	4 times/y	ditto	2019	✓	✓
Catchment-scale	Ijira	JPC006	Rural	1 times/y	Input, output, biochemical process	2007	✓	✓

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Lao PDR

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Air	Vientiane	LAA001	Urban	FP(biweekly)	SO ₂ , HNO ₃ , HCl, NH ₃ , PMC ^b	JAN 2015	-	✓
				AT(hourly)	NO, NO ₂ , PM ₁₀ , PM _{2.5}	JAN 2014	✓	✓
Wet	Vientiane	LAA001	Urban	daily	Mandatory items ^a	OCT 2003	✓	✓
Inland	Nam Houm Lake	LAI001	Urban	4 times/y	Water temperature, pH, EC, Alkalinity, NH ₄ ⁺ , Na ⁺ , K ⁺ , Ca ²⁺ , Mg ²⁺ , SO ₄ ²⁻ , NO ₃ ⁻ , Cl ⁻ , Transparency, PO ₄ ³⁻ , DO, COD (see Mandatory items (Lake) ^c)	SEP 2009	✓	✓

Malaysia

Items	Monitoring Sites	Code	Classification	Monitoring Interval	Measurement Parameters	Remarks (Start time)	Data Report 2024	Plan 2026
Air	Petaling Jaya	MYA001	Urban	FP(weekly)	SO ₂ , HNO ₃ , HCl, NH ₃ , PMC ^b	JAN 1999	✓	✓
	Tanah Rata	MYA002	Rural	FP(weekly)	SO ₂ , HNO ₃ , HCl, NH ₃ , PMC ^b	JAN 2001	✓	✓
	Danum Valley	MYA003	Remote	FP(biweekly)	SO ₂ , HNO ₃ , HCl, NH ₃ , PMC ^b	JAN 2006	✓	✓
Wet	Petaling Jaya	MYA001	Urban	weekly	Mandatory items ^a + F ⁻ +HCO ₃ ⁻	APR 1998	✓	✓
	Tanah Rata	MYA002	Rural	weekly	Mandatory items ^a + F ⁻ +HCO ₃ ⁻	JAN 1999	✓	✓
	Danum Valley	MYA003	Remote	weekly	Mandatory items ^a + F ⁻ +HCO ₃ ⁻	JAN 2005	✓	✓
	Kuching	MYA004	Urban	weekly	Mandatory items ^a + F ⁻ +HCO ₃ ⁻	JAN 2008	✓	✓
	Mount Brinchang	MYA005	Rural	weekly	Mandatory items ^a + F ⁻ +HCO ₃ ⁻	SEP 2020	-	✓
Soil and vegetation	Pasoh TEAM Plot 1 & 8	MYS201 MYS202	Urban	Every 3-5 years	Soil (Mandatory items ^d)/ Vegetation (Mandatory items ^f)	2023	-	✓
	Universiti Putra Malaysia Bintulu Rehabilitated Forest	MYS005 MYS105	Urban	Every 3-5 years	Soil (Mandatory items ^d)/ Vegetation (Mandatory items ^f)	2009	-	-
Inland	Baru River	MYI103	Remote	6 times/y	Mandatory items (River) ^g	2022	✓	✓
	Kuala Keniam	MYI006	Remote	6 times/y	Mandatory items (River) ^g	-	-	✓

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Mongolia

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Air	Ulaanbaatar	MNA001	Urban	FP(weekly)	SO ₂ , HNO ₃ , HCl, NH ₃ , PMC ^b	APR 2000	-	-
	Khan-Uul	MNA004	Urban	FP(weekly)	SO ₂ , HNO ₃ , HCl, NH ₃ , PMC ^b	2020	✓	✓
	Bayanzukh	MNA003	Urban	AT(hourly)	SO ₂ , NO, NO ₂ , NO _x , O ₃ , PM ₁₀ , PM _{2.5}	JAN 2014	✓	✓
	Terej	MNA002	Remote	FP(biweekly)	SO ₂ , HNO ₃ , HCl, NH ₃ , PMC ^b	JAN 2000	✓	✓
	Terej II(TBD)	MNA005	Rural	FP(biweekly)	SO ₂ , HNO ₃ , HCl, NH ₃ , PMC ^b	JUN 2025	✓	✓
Wet	Ulaanbaatar	MNA001	Urban	daily	Mandatory items ^a	AUG 1998	-	-
	Khan-Uul	MNA004	Urban	daily	Mandatory items ^a	2020	✓	✓
	Terej	MNA002	Remote	daily	Mandatory items ^a	SEP 1998	✓	-
	Terej II(TBD)	MNA005	Rural	daily	Mandatory items ^a	JUN 2025	✓	✓
Soil and vegetation	Ulaanbaatar(Bogdkhan mountain)	MNS001	Urban/Ecolog	Every 3-5 years	Soil (pH(H ₂ O), pH(KCl))	2005	-	-
	Terej	MNS002	Remote	Every 3-5 years	ditto	2014	-	-
Inland	Terej River	MNI002	Remote	6 times/y	pH, EC, Alkalinity, NH ₄ ⁺ , Na ⁺ , K ⁺ , Ca ²⁺ , Mg ²⁺ , SO ₄ ²⁻ , NO ₃ ⁻ , Cl ⁻ (see Mandatory items (River) ^g)	2002	✓	✓

Myanmar

Items	Monitoring Sites	Code	Classification	Monitoring Interval	Measurement Parameters	Remarks (Start time)	Data Report 2024	Plan 2026
Air	Yangon	MMA001	Urban	FP(biweekly)	SO ₂ , HNO ₃ , HCl, NH ₃ , PMC ^b	NOV 2011	✓	✓
				AT(hourly)	PM _{2.5}	MAR 2018	✓	✓
Wet	Yangon	MMA001	Urban	weekly	Mandatory items ^a	JUN 2007	✓	✓

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Philippines

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Air	Metro Manila - Manila II (TBD)	PHA007	Urban	AT(hourly/daily)	SO ₂ , NO ₂ , O ₃	JAN 2015	-	✓
				FP(weekly)	SO ₂ , HNO ₃ , HCl, NH ₃ , PMC ^b	APR 1999	✓	✓
	Metro Manila - North Caloocan	PHA004	Urban	AT(hourly/daily)	PM ₁₀ , PM _{2.5}	JAN 2016	✓	✓
	Laguna - Los Baños	PHA002	Rural	FP(weekly)	SO ₂ , HNO ₃ , HCl, NH ₃ , PMC ^b	APR 1999	✓	✓
	Laguna - Sta Rosa	PHA005	Rural	AT(hourly/daily)	SO ₂ , NO ₂ , PM ₁₀ , PM _{2.5} , O ₃ , CO	JAN 2016	✓	✓
	Benguet - Mt. Sto. Tomas	PHA003	Rural	FP(weekly)	SO ₂ , HNO ₃ , HCl, NH ₃ , PMC ^b	OCT 2006	-	✓
				AT(hourly/daily)	PM ₁₀ , PM _{2.5}	JAN 2021	✓	✓
	Benguet - Lower Session Road	PHA006	Rural	AT(hourly/daily)	SO ₂ , NO ₂ , O ₃ , CO	JAN 2021	-	✓
Wet	Metro Manila - Manila II (TBD)	PHA007	Urban	weekly	Mandatory items ^a + PO ₄ ³⁻ , Br ⁻ , F ⁻ , NO ₂ ⁻ , HCO ₃ ⁻	APR 1999	✓	✓
	Laguna - Los Baños	PHA002	Rural	weekly	Mandatory items ^a + PO ₄ ³⁻ , Br ⁻ , F ⁻ , NO ₂ ⁻ , HCO ₃ ⁻	APR 1999	✓	✓
	Benguet - Mt. Sto. Tomas	PHA003	Rural	weekly	Mandatory items ^a	OCT 2006	✓	✓
Soil and vegetation	Mt. Makiling Forest Reserve (Los Banos)	PHS002	Rural	Once in 3-5 years	Soil (Mandatory items ^d + Exchangeable cations (Al ³⁺ , H ⁺), Available Phosphate and Sulfate, Fine earth bulk density) / Vegetation (Mandatory items ^f)	2000	-	✓
	UP Quezon- Laguna Land Grant (Los Banos)	PHS102	Rural	ditto	ditto	2000	-	✓
	La Mesa Watershed (Metro Manila)	PHS001	Urban	ditto	ditto	2007	-	✓
	Boneco Long Term Ecological Research Site (Mt. Sto. Tomas)	PHS003	Rural	ditto	ditto	2008	-	✓
Inland	Lake Pandin	PHI102	Rural	4 times/y	Water temperature, pH, EC, Alkalinity, NH ₄ ⁺ , Na ⁺ , K ⁺ , Ca ²⁺ , Mg ²⁺ , SO ₄ ²⁻ , NO ₃ ⁻ , Cl ⁻ , NO ₂ ⁻ , PO ₄ ³⁻ , Chlorophyll a, DO, Transparency, Total dissolved Al, COD (see Mandatory items (Lake) ^e)	2004	✓	✓
	Ambulalakao Lake	PHI003	Rural	4 times/y	ditto	2005	✓	✓
Catchment-scale	La Mesa Watershed (Metro Manila)	PHC001	Urban	Monthly	Precipitation amount, Wet deposition, Air concentration (from Metro Manila site), Stream water Chemistry	2019	✓	✓

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Republic of Korea

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Air	Ganghwa	KRA001	Rural	AT(hourly)	SO ₂ , NO ₂ , O ₃ , PM ₁₀ , PM _{2.5}	JAN 2002	✓	✓
				FP (once every 6 days)	HNO ₃ , NH ₃ , HCl, Ions in PM _{2.5} ^h	JAN 2001	✓	✓
	Jeju	KRA002	Remote	AT(hourly)	SO ₂ , NO ₂ , O ₃ , PM ₁₀ , PM _{2.5}	JAN 2002	✓	✓
				FP (once every 6 days)	HNO ₃ , NH ₃ , HCl, Ions in PM _{2.5} ^h	JAN 2001	✓	✓
	Imsil	KRA003	Rural	AT(hourly)	SO ₂ , NO ₂ , O ₃ , PM ₁₀ , PM _{2.5}	JAN 2002	✓	✓
				FP (once every 6 days)	HNO ₃ , NH ₃ , HCl, Ions in PM _{2.5} ^h	JAN 2001	✓	✓
Wet	Ganghwa	KRA001	Rural	daily	Mandatory items ^a	MAR 1999	✓	✓
	Jeju	KRA002	Remote	daily	Mandatory items ^a	APR 1999	✓	✓
	Imsil	KRA003	Rural	daily	Mandatory items ^a	JAN 2001	✓	✓

Russia

Items	Monitoring Sites	Code	Classification	Monitoring Interval	Measurement Parameters	Remarks (Start time)	Data Report 2024	Plan 2026
Air	Listvyanka	RUA002	Rural	FP(weekly)	SO ₂ , HNO ₃ , HCl, NH ₃ , PMC ^b	JAN 2001	✓	✓
				AT(daily)	SO ₂ , NO _x , O ₃	JAN 2025	-	✓
				PS(biweekly)	O ₃	JAN 2014	-	✓
	Primorskaya	RUA004	Rural	FP(biweekly)	SO ₂ , HNO ₃ , HCl, NH ₃ , PMC ^b	JAN 2001	✓	✓
	Irkutsk	RUA003	Urban	FP(weekly)	SO ₂ , HNO ₃ , HCl, NH ₃ , PMC ^b	JAN 2001	✓	✓
Wet	Listvyanka	RUA002	Rural	On precipitation events	Mandatory items ^a + F _s , NO ₂ ⁻ , Br ⁻ , HCO ₃ ⁻	JAN 2000	✓	✓
	Primorskaya	RUA004	Rural	daily	Mandatory items ^a	FEB 2002	✓	✓
	Irkutsk	RUA003	Urban	daily	Mandatory items ^a + F _s , NO ₂ ⁻ , Br ⁻ , HCO ₃ ⁻	JAN 2001	✓	✓
Soil and vegetation	Listvyanka (Bolshie Koty)	RUS002	Rural	every 3-5 years	Soil (pH(H ₂ O), pH(KCl), exchangeable (Na ⁺ , K ⁺ , Ca ²⁺ , Mg ²⁺ , Al ³⁺ , H ⁺), exchangeable acidity, Effective cation exchangeable capacity (ECEC)) / Vegetation (Observation of tree decline, Description of trees)	2000	-	-
	Irkutsk	RUS003	Urban	ditto	ditto	2001	-	-
	Primorskaya	RUS004	Rural	ditto	ditto	2006	-	-
Inland	Pereemnaya River	RUI102	Rural	4 times/y	Water temperature, pH, EC, alkalinity, NH ₄ ⁺ , Na ⁺ , K ⁺ , Ca ²⁺ , Mg ²⁺ , SO ₄ ²⁻ , NO ₃ ⁻ , Cl ⁻ , Transparency, Water color, Oxidation (KMnO ₄), NO ₂ ⁻ , PO ₄ ³⁻ , P total, Si	2004	✓	✓
	Komarovka River	RUI004	Rural	5 times/y	Water temperature, pH, EC, alkalinity, NH ₄ ⁺ , Na ⁺ , K ⁺ , Ca ²⁺ , Mg ²⁺ , SO ₄ ²⁻ , NO ₃ ⁻ , Cl ⁻ , Si, Dissolved oxygen, Water color, oxidation, NO ₂ ⁻ , PO ₄ ³⁻ , Fe	2005	✓	✓

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Thailand

Items	Monitoring Sites	Code	Classification	Monitoring Interval	Measurement Parameters	Remarks (Start time)	Data Report 2024	Plan 2026
Air	PCD (Bangkok)	THA001	Urban	AT(hourly)	NO, NO ₂ , O ₃ , PM ₁₀ , PM _{2.5}	JAN 1999	✓	✓
				FP(10 days)	SO ₂ , HNO ₃ , HCl, NH ₃ , PMC ^b	JAN 2003	-	✓
	TMD (Samutprakarn)	THA002	Urban	AT(hourly)	SO ₂ , NO, NO ₂ , O ₃ , PM ₁₀ , PM _{2.5}	JAN 1999	✓	✓
	Vajiralongkorn (Kanchanaburi)	THA004	Remote	AT(hourly)	SO ₂ , NO, NO _x [*] , O ₃ , PM ₁₀ , PM _{2.5}	JAN 2002	✓	-
				FP(10 days)	SO ₂ , HNO ₃ , HCl, NH ₃ , PMC ^b	JAN 2002	-	-
	Chang Phueak	THA006	Urban	AT(hourly)	SO ₂ , NO, NO ₂ , NO _x [*] , O ₃ , PM ₁₀ , PM _{2.5}	JAN 2003	✓	✓
	Si Phum	THA007	Urban	AT(hourly)	SO ₂ , NO, NO ₂ , NO _x [*] , PM ₁₀ , PM _{2.5}	JAN 2013	✓	✓
	Nai Mueang	THA009	Urban	AT(hourly)	SO ₂ , NO, NO ₂ , NO _x [*] , O ₃ , PM ₁₀ , PM _{2.5}	JAN 2008	✓	✓
Wet	PCD/PRD (Bangkok)	THA001	Urban	daily	Mandatory items ^a + Organic acid, Phosphate	APR 1999	✓	✓
	TMD (Samutprakarn)	THA002	Urban	daily	Mandatory items ^a + Organic acid, Phosphate	JAN 2000	✓	✓
	ERTC (Patumthani)	THA003	Rural	daily	Mandatory items ^a + Organic acid, Phosphate	MAR 1999	✓	✓
	Vajiralongkorn (Kanchanaburi)	THA004	Remote	daily	Mandatory items ^a + Organic acid, Phosphate	APR 1999	-	-

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Viet Nam

Items	Monitoring Sites	Code	Classification	Monitoring Interval	Measurement Parameters	Remarks (Start time)	Data Report 2024	Plan 2026
Air	Hanoi	VNA001	Urban	FP(weekly)	SO ₂ , HNO ₃ , HCl, NH ₃ , PMC ^b	AUG 1999	✓	✓
	Hoa Binh	VNA002	Rural	AT(hourly)	PM _{2.5}	FEB 2015	✓	-
				FP(weekly)	SO ₂ , HNO ₃ , HCl, NH ₃ , PMC ^b	AUG 1999	✓	✓
	Can Tho	VNA005	Rural	FP(weekly)	SO ₂ , HNO ₃ , HCl, NH ₃ , PMC ^b	JAN 2014	✓	✓
	Ho Chi Minh	VNA006	Urban	FP(weekly)	SO ₂ , HNO ₃ , HCl, NH ₃ , PMC ^b	JAN 2014	✓	✓
	Yen Bai	VNA007	Rural	FP(weekly)	SO ₂ , HNO ₃ , HCl, NH ₃ , PMC ^b	MAY 2015	✓	✓
Wet	Hanoi	VNA001	Urban	weekly	Mandatory items ^a + F ⁻	AUG 1999	✓	✓
	Hoa Binh	VNA002	Rural	weekly	Mandatory items ^a + F ⁻	AUG 1999	✓	✓
	Cuc Phuong	VNA003	Remote	weekly	Mandatory items ^a + F ⁻	JAN 2010	✓	✓
	Da Nang	VNA004	Urban	weekly	Mandatory items ^a + F ⁻	JAN 2010	✓	✓
	Can Tho	VNA005	Rural	weekly	Mandatory items ^a + F ⁻	APR 2014	✓	✓
	Ho Chi Minh	VNA006	Urban	weekly	Mandatory items ^a + F ⁻	JAN 2014	✓	✓
	Yen Bai	VNA007	Rural	weekly	Mandatory items ^a + F ⁻	MAY 2015	✓	✓
Inland	Hoa Binh Reservoir	VNI002	Rural	4 times/y	Water temperature, pH, EC, alkalinity, NH ₄ ⁺ , Na ⁺ , K ⁺ , Ca ²⁺ , Mg ²⁺ , SO ₄ ²⁻ , NO ₃ ⁻ , Cl ⁻ , transparency, water colour, DOC(COD), PO ₄ ³⁻	2001	✓	✓

^aMandatory items(Wet): pH, Electric conductivity (EC), NH₄⁺, Na⁺, K⁺, Ca²⁺, Mg²⁺, SO₄²⁻, NO₃⁻, Cl⁻

^bPMC (Particulate Matter Components): SO₄²⁻, NO₃⁻, Cl⁻, NH₄⁺, Na⁺, K⁺, Mg²⁺, Ca²⁺

^cMandatory items(Lake): Water temperature, pH, EC, Alkalinity (Gran's plot titration/ pH 4.8 endpoint), Cations (NH₄⁺, Na⁺, K⁺, Ca²⁺, Mg²⁺), Anions (SO₄²⁻, NO₃⁻, Cl⁻), Transparency, Water color, Dissolved organic carbon (DOC) or total organic carbon (TOC), NO₂⁻, PO₄³⁻, Chlorophyll a, Total P, Total N, Dissolved oxygen (DO), SO₄²⁻, NO₃⁻, and NH₄⁺ in pore water of sediment

^dMandatory items(Soil): Moisture content, pH(H₂O), pH(KCl), Exchangeable base cations (Na⁺, K⁺, Ca²⁺, Mg²⁺), Exchangeable acidity, Effective cation exchangeable capacity (ECEC), Carbon content (when pH(H₂O) > 7)

^eOptional items(Soil): Exchangeable cations (Al₃⁺, H⁺), Carbon content (when pH(H₂O) ≤ 7), Total carbon content, Total nitrogen content, Available PO₄³⁻, SO₄²⁻

^fMandatory items(Vegetation): Description of the tree, Understory vegetation survey, Observation of tree decline

^gMandatory items(River): Water temperature, pH, EC, Alkalinity (Gran's plot titration/ pH 4.8 endpoint), Cations (NH₄⁺, Na⁺, K⁺, Ca²⁺, Mg²⁺), Anions (SO₄²⁻, NO₃⁻, Cl⁻), Water color, Dissolved organic carbon (DOC) or total organic carbon (TOC), NO₂⁻, PO₄³⁻, Total P, Total N, Suspended solid (SS)

^hIons in PM_{2.5} (Republic of Korea): SO₄²⁻, NO₃⁻, Cl⁻, NH₄⁺, Na⁺, K⁺, Mg²⁺, Ca²⁺

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Attachment 2

Maps and number of monitoring sites in 2026

Wet deposition monitoring (2026)

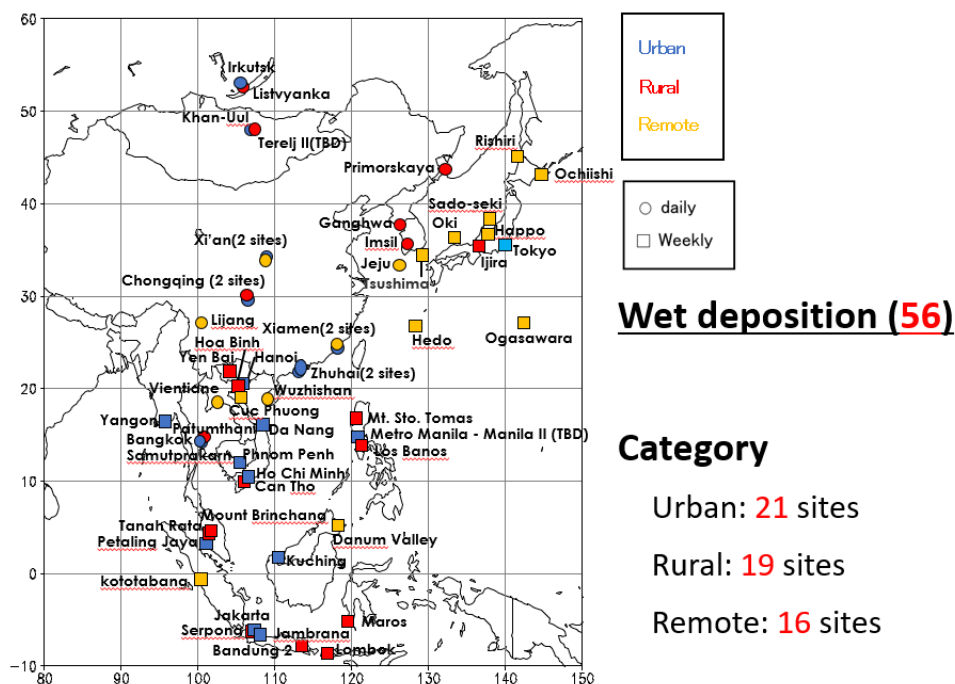


Fig. 2 Wet deposition sites planned in 2026

Dry deposition monitoring (2026)

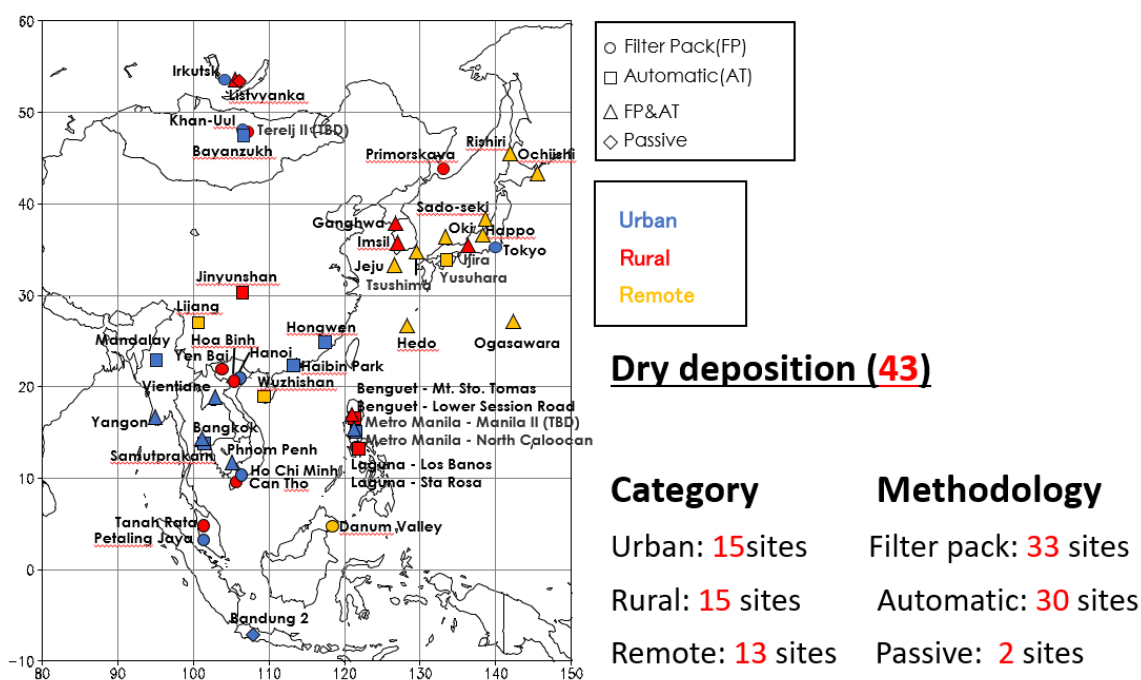


Fig. 3 Dry deposition (Gas and Aerosol) sites planned in 2026

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Soil & Vegetation monitoring

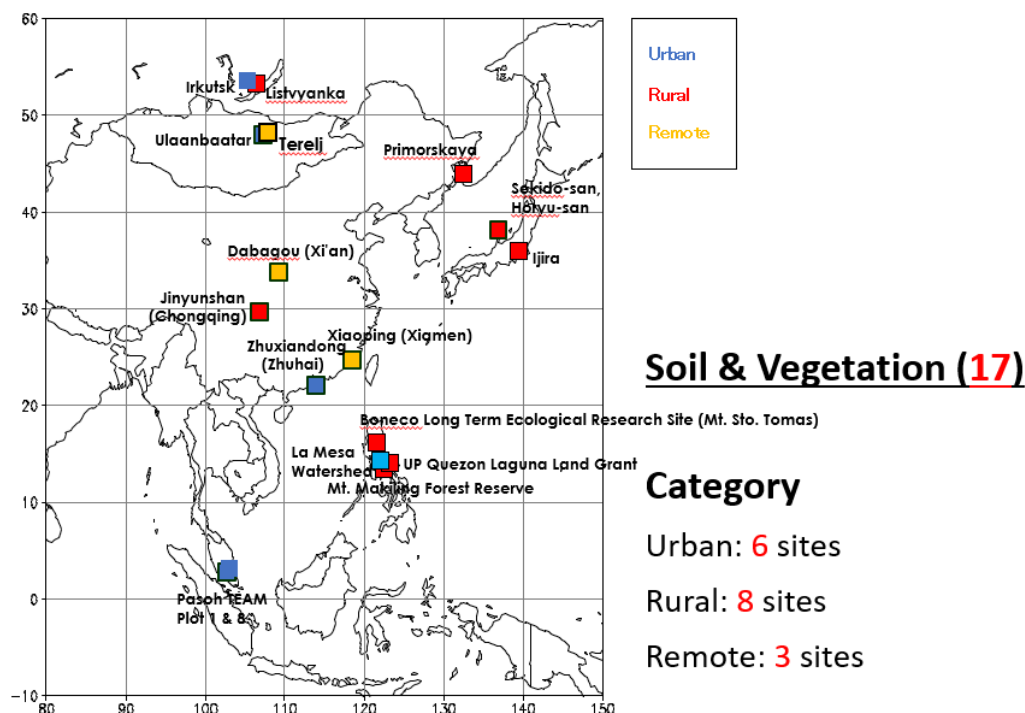


Fig. 4 Soil and vegetation sites

Inland Aquatic Environment monitoring (2026)

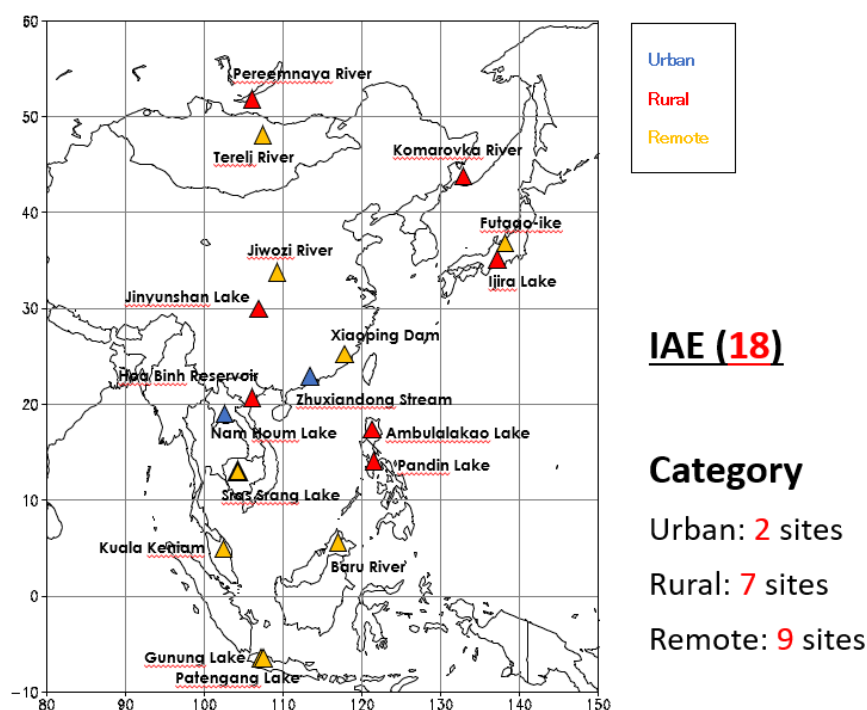


Fig. 5 Inland aquatic environment sites planned in 2026

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Catchment scale monitoring (2026)

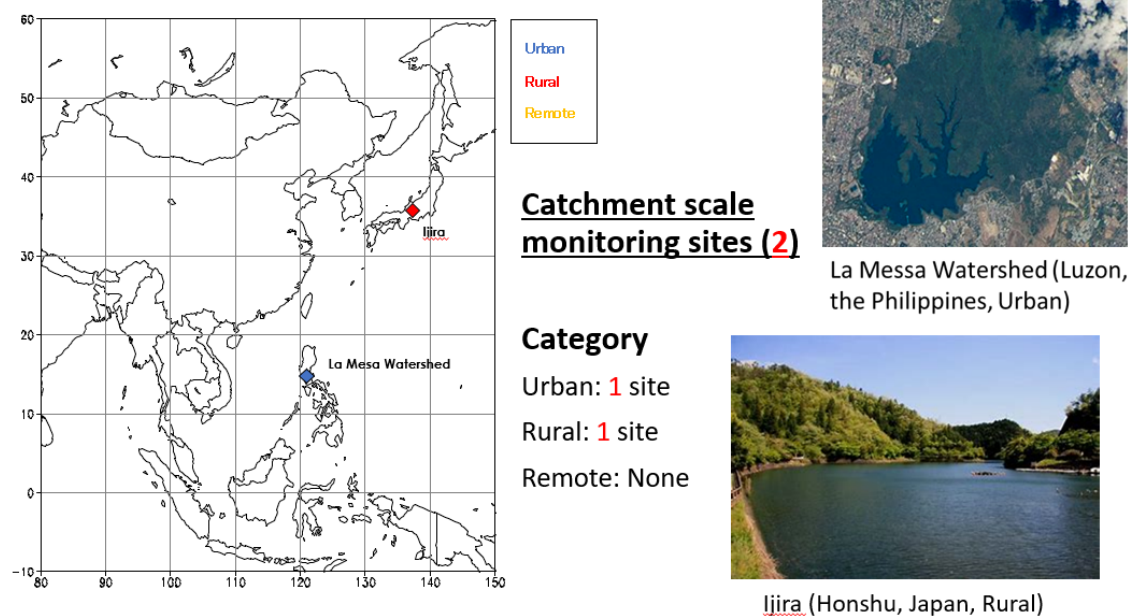


Fig. 6 Catchment scale monitoring sites planned in 2026