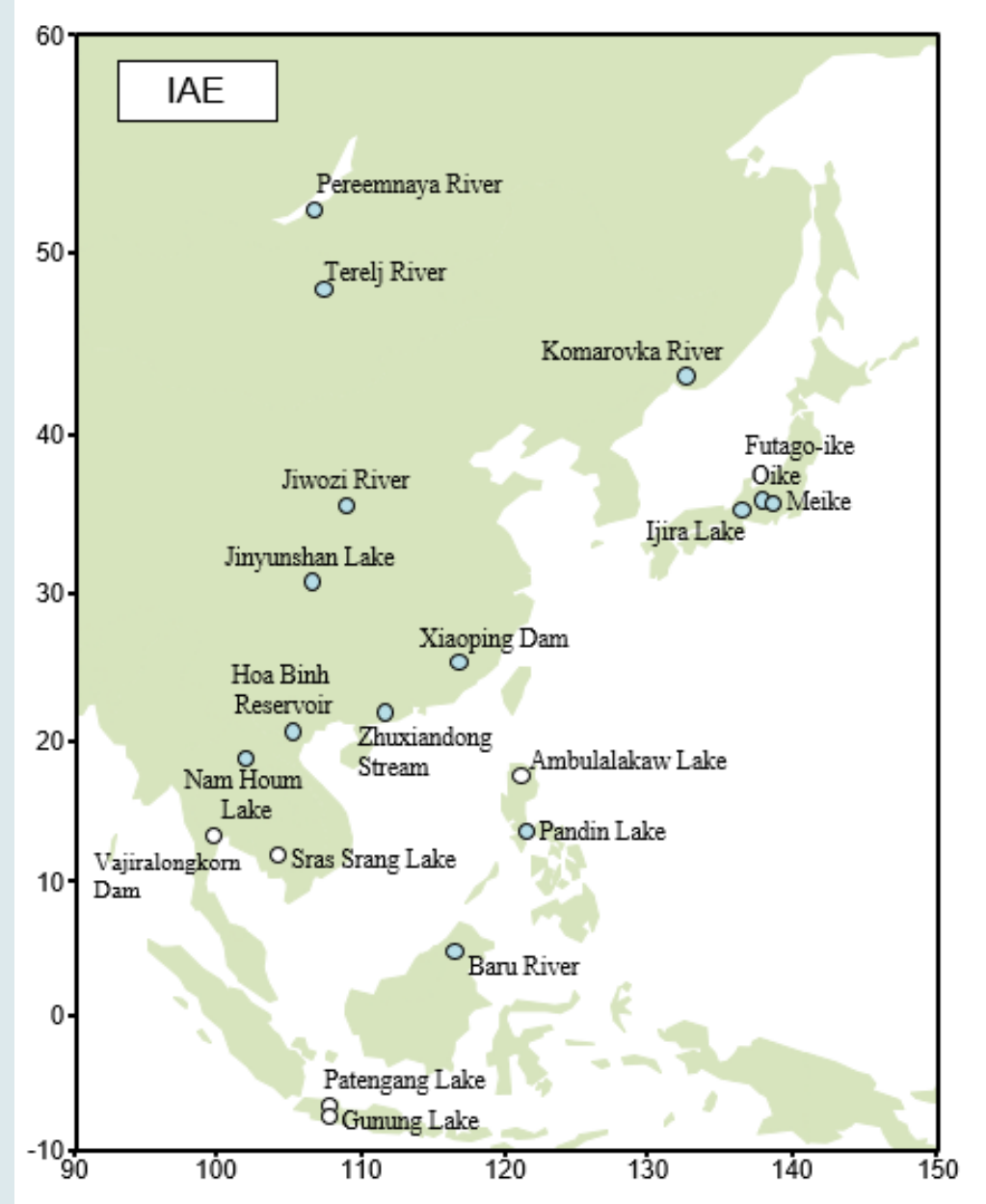


Data Report 2025 on Inland Aquatic Environment (Draft)

ACAP
Network Center for EANET

Outline of Inland Aquatic Environment Monitoring in 2025

Country	Name of site	Interval
Cambodia	Sras Srang Lake	2 times/yr.
China	Jinyunshan Lake	4 times/yr.
	Xiaoping Dam	4 times/yr.
	Jiwozi River	4 times/yr.
	Zhuxiandong Stream	4 times/yr.
Indonesia	Petenggang Lake	Not submitted
	Gunung Lake	Not submitted
Japan	Ijira Lake	4 times/yr.
	Futago-ike Lake Oike	3 times/yr.
	Futago-ike Lake Meike	3 times/yr.
Lao PDR	Nam Houm Lake	2 times/yr.
Malaysia	Baru River	6 times/yr.
	Kuala Tahan	—*
Mongolia	Terelj River	6 times/yr.
Philippines	Pandin Lake	4 times/yr.
	Ambulalakaw Lake	Not submitted
Russia	Pereemnaya River	4 times/yr.
	Komarovka River	5 times/yr.
Thailand	Vajiralongkorn Dam	Not submitted
	Ban Pong Chang	
	Vajiralongkorn Dam	Not submitted
	Ban Pang Pueng	
Vietnam	Hoa Binh Reservoir	4 times/yr.



See Table 6.2.1

*Kuala Tahan is under preparation, and administrative procedures are underway.

Mandatory parameters

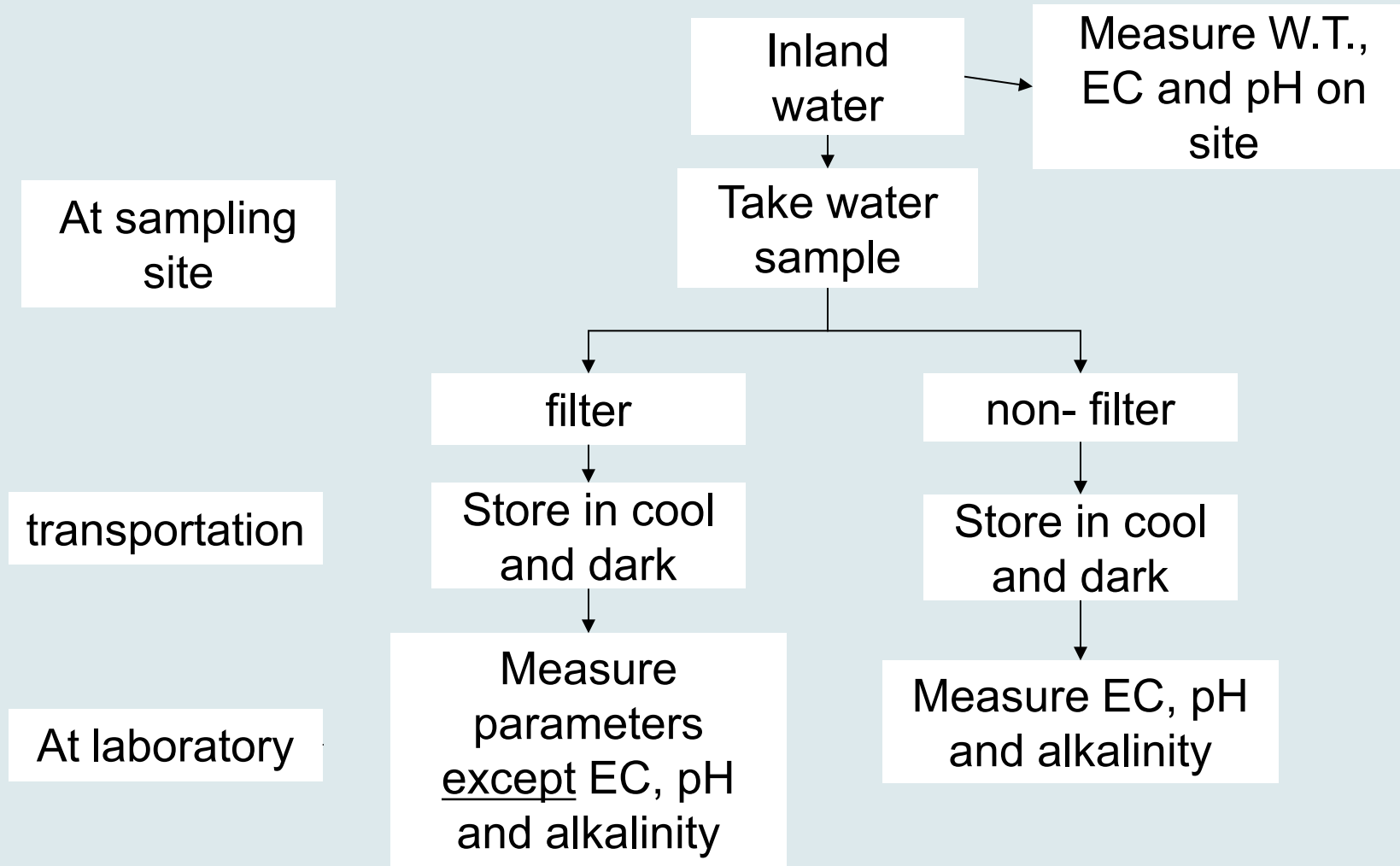
Frequency	Mandatory parameters
4times/year	water temperature(W.T.), pH, electric conductivity (EC) , Alkalinity, SO_4^{2-} , NO_3^- , Cl^- , NH_4^+ , Na^+ , K^+ , Ca^{2+} , Mg^{2+}
Once/year	transparency, water color, DOC(if impossible, COD), NO_2^- , PO_4^{3-}

- It is expected that some additional items (*i.e.* Chlorophyll a, T-P, T-N, DO) will be adopted according to the new manual (to be mentioned later.)

Sample collection

- Surface water was sampled at the center(or representative point) of the lakes or rivers in two bottles (for double measurement).
- As reference data, measurements of pH and electric conductivity(EC) were conducted at the site before a precise measurement in the laboratory.
- Water samples for analysis were put in tightly stoppered polyethylene (polypropylene) bottles and kept in a cool and dark place.

Treatment procedure of sample



See Fig.6.1

Results:

pH

2025 data	
Max	Pandin Lake 8.3
Min	Futago-ike Meike 5.7
Deviation from last 5 years medium (%)	
Max	Terelj River 15.4
Min	Xiaoping Dam -4.2



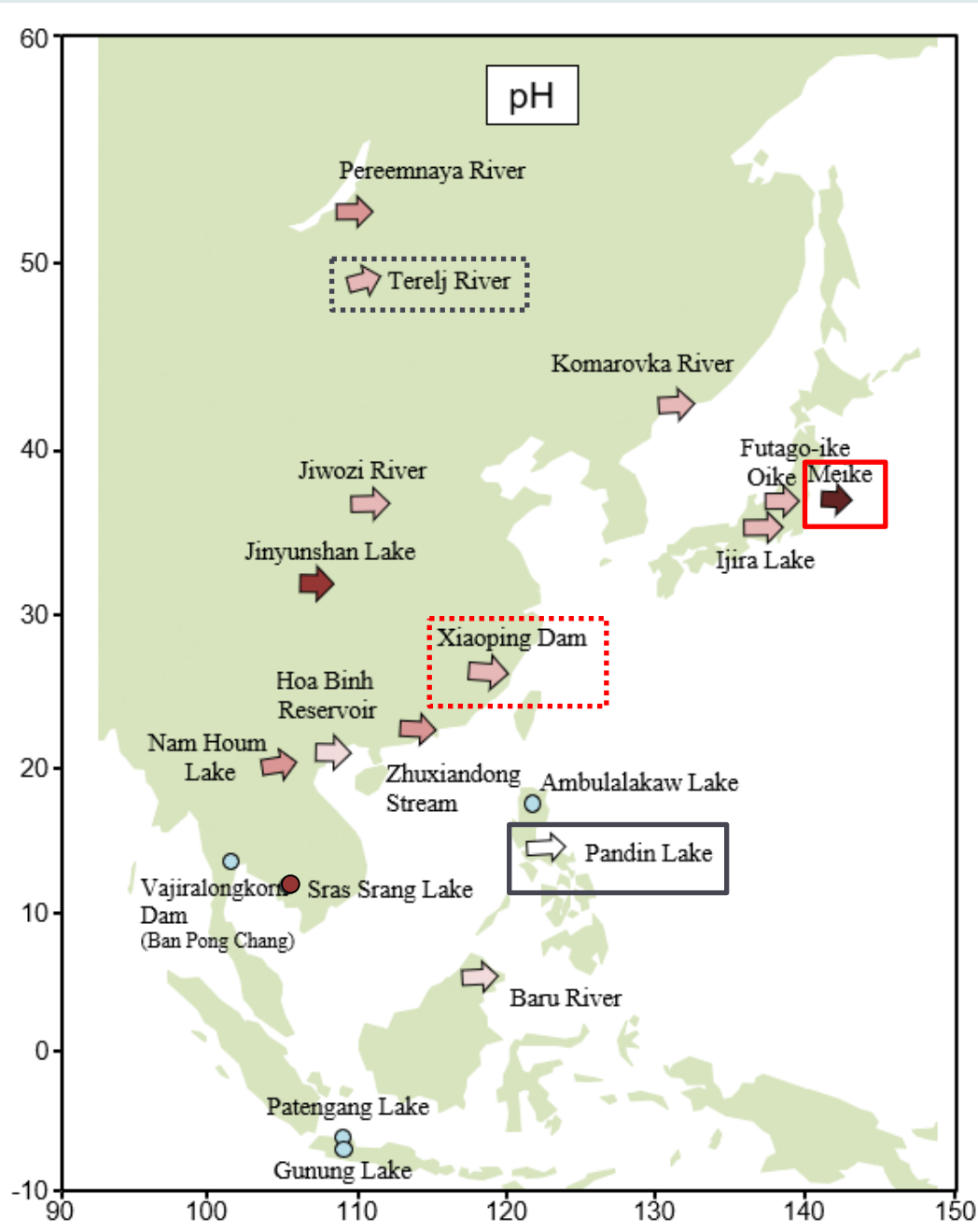
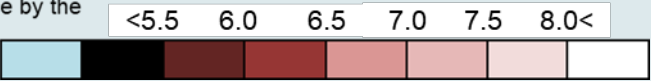
θ° :Arrows angle (degree) corresponds to deviation (%) from last 5 years **medium** ※.

$\theta < -90^\circ$ (%) $\rightarrow \theta = -90^\circ$

$\theta > +90^\circ$ (%) $\rightarrow \theta = +90^\circ$

※ No analysis or measurement values are not included.

No data or rejected annual value by the criteria



Results:

SO_4^{2-}

2025 data	
Max	Jinyunshan Lake 22.7 mg L^{-1}
Min	Sras Srang Lake 0.38 mg L^{-1}
Deviation from last 5 years average (%)	
Max	Terelj River 45.6
Min	Baru River -37.0



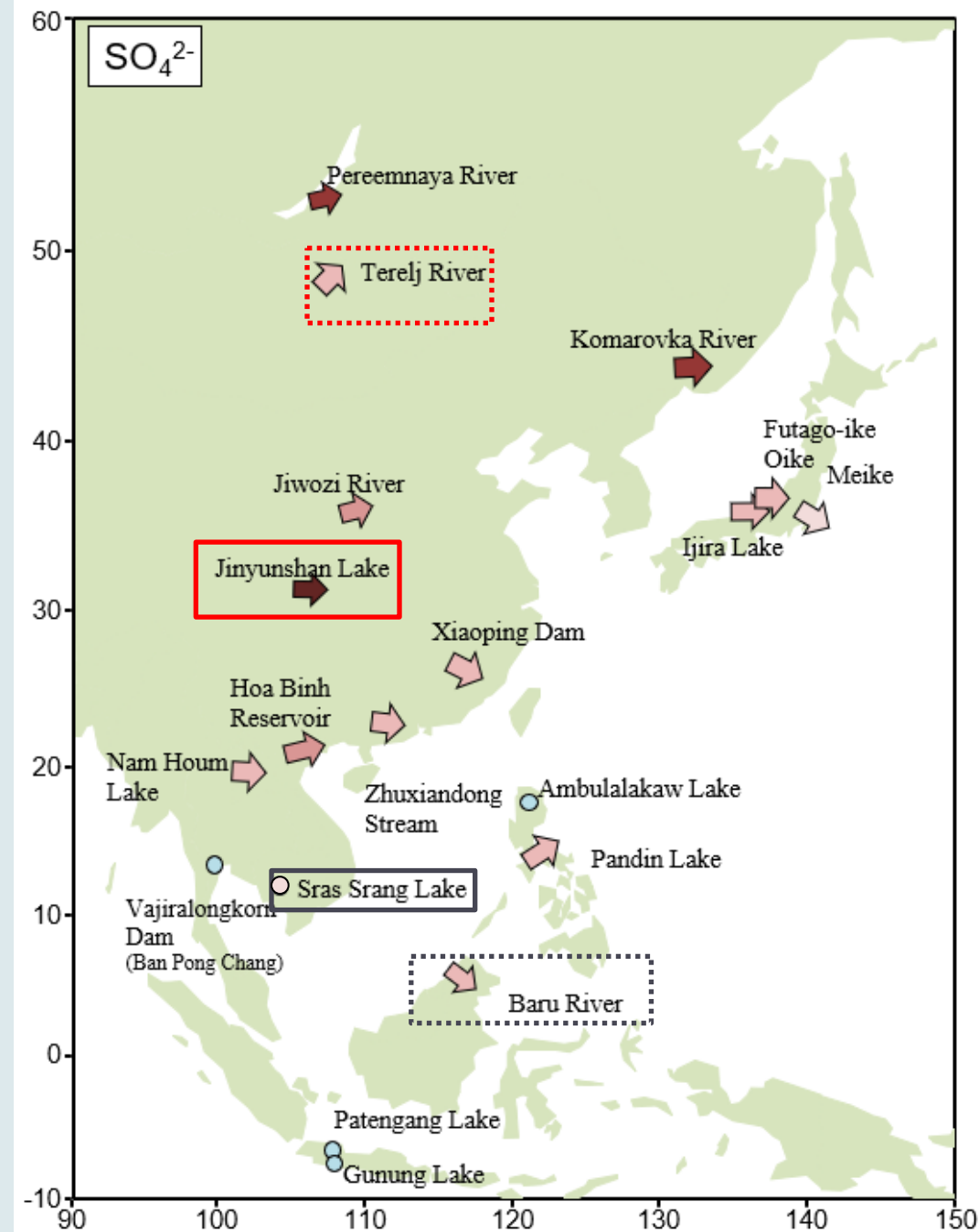
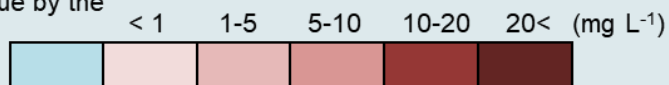
θ° : Arrows angle (degree) corresponds to deviation (%) from last 5 years average[※].

$\theta < -90^\circ$ (%) $\rightarrow \theta = -90^\circ$

$\theta > +90^\circ$ (%) $\rightarrow \theta = +90^\circ$

※ No analysis or measurement values are not included.

No data or rejected annual value by the criteria



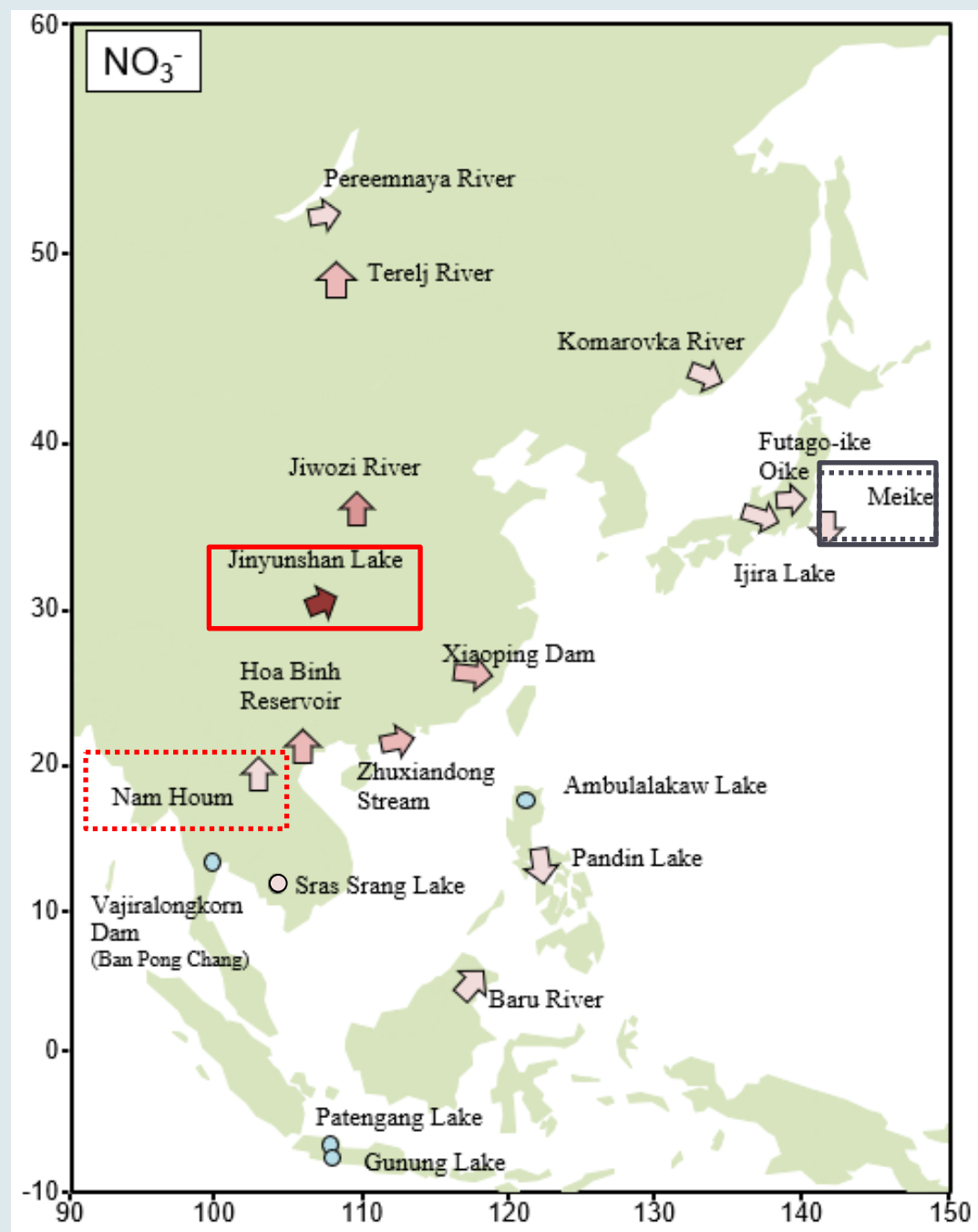
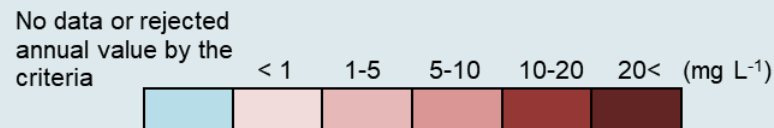
Results:

NO_3^-

2025 data	
Max	Jinyunshan Lake 10.6 mg L^{-1}
Min	Futago-ike Meike < 0.1 mg L^{-1}
Deviation from last 5 years average (%)	
Max	Nam Houm Lake 380
Min	Futago-ike Meike -100

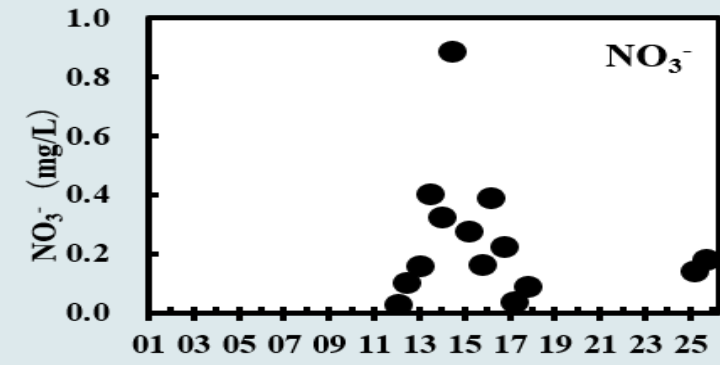
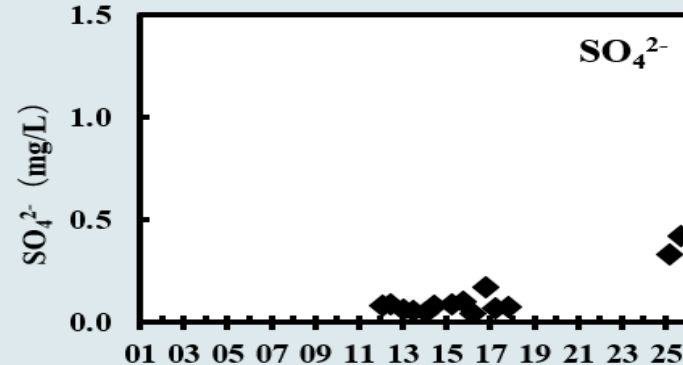
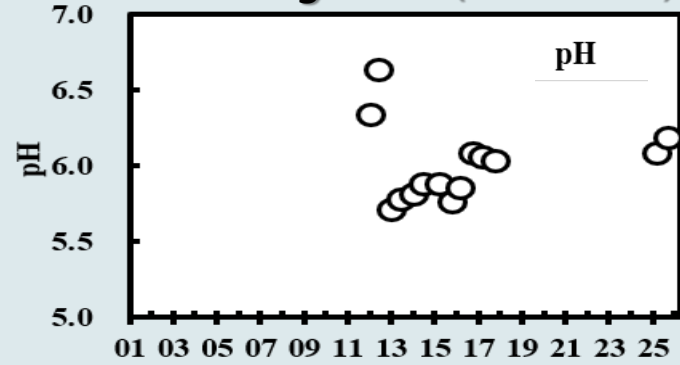


θ° : Arrows angle (degree) corresponds to deviation (%) from last 5 years average $\times$.
 $\theta < -90^\circ$ (%) $\rightarrow \theta = -90^\circ$
 $\theta > +90^\circ$ (%) $\rightarrow \theta = +90^\circ$
 $\times$ No analysis or measurement values are not included.

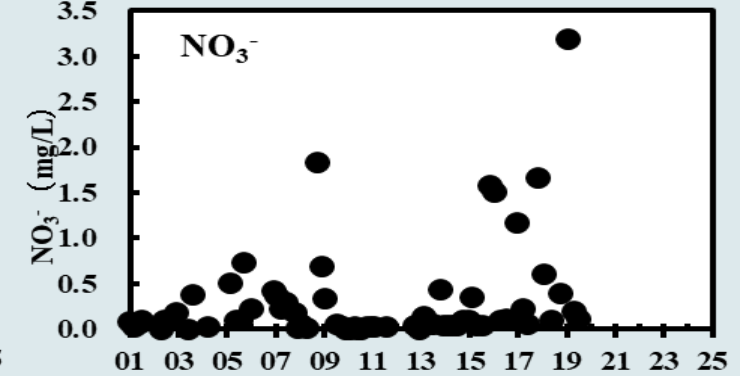
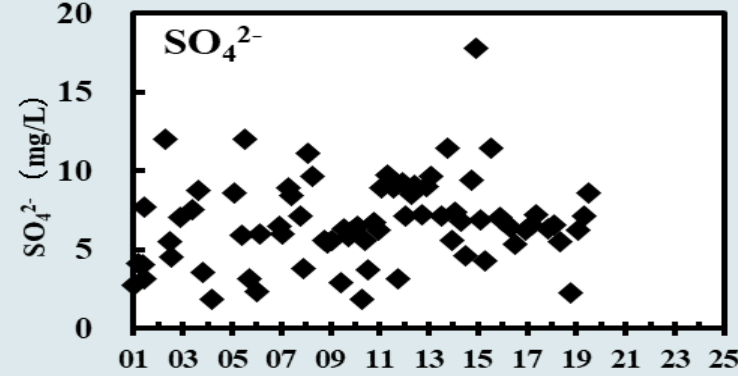
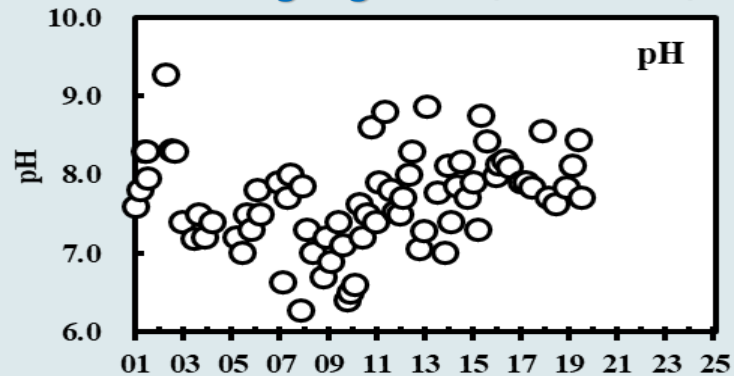


Results; Trends of pH, Sulfate and Nitrate at each site (1)

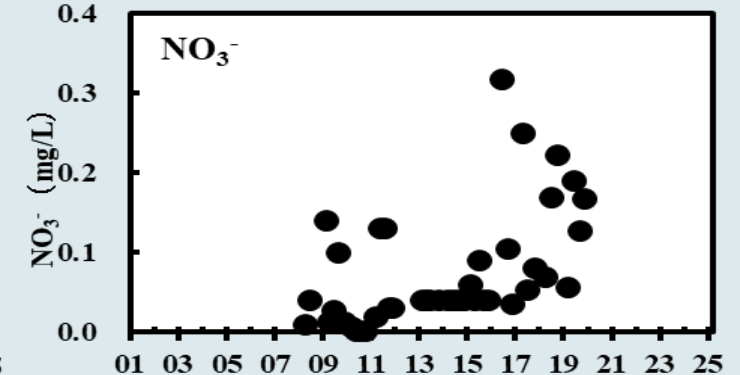
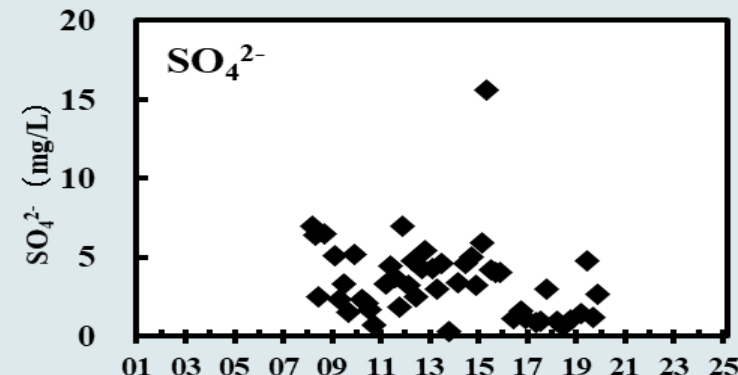
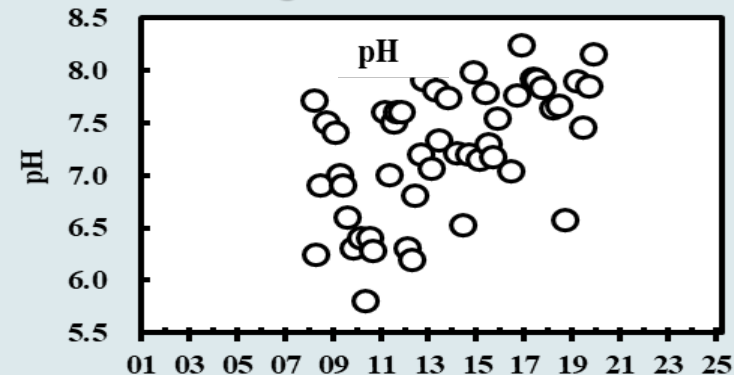
Sras Srang Lake (Cambodia)



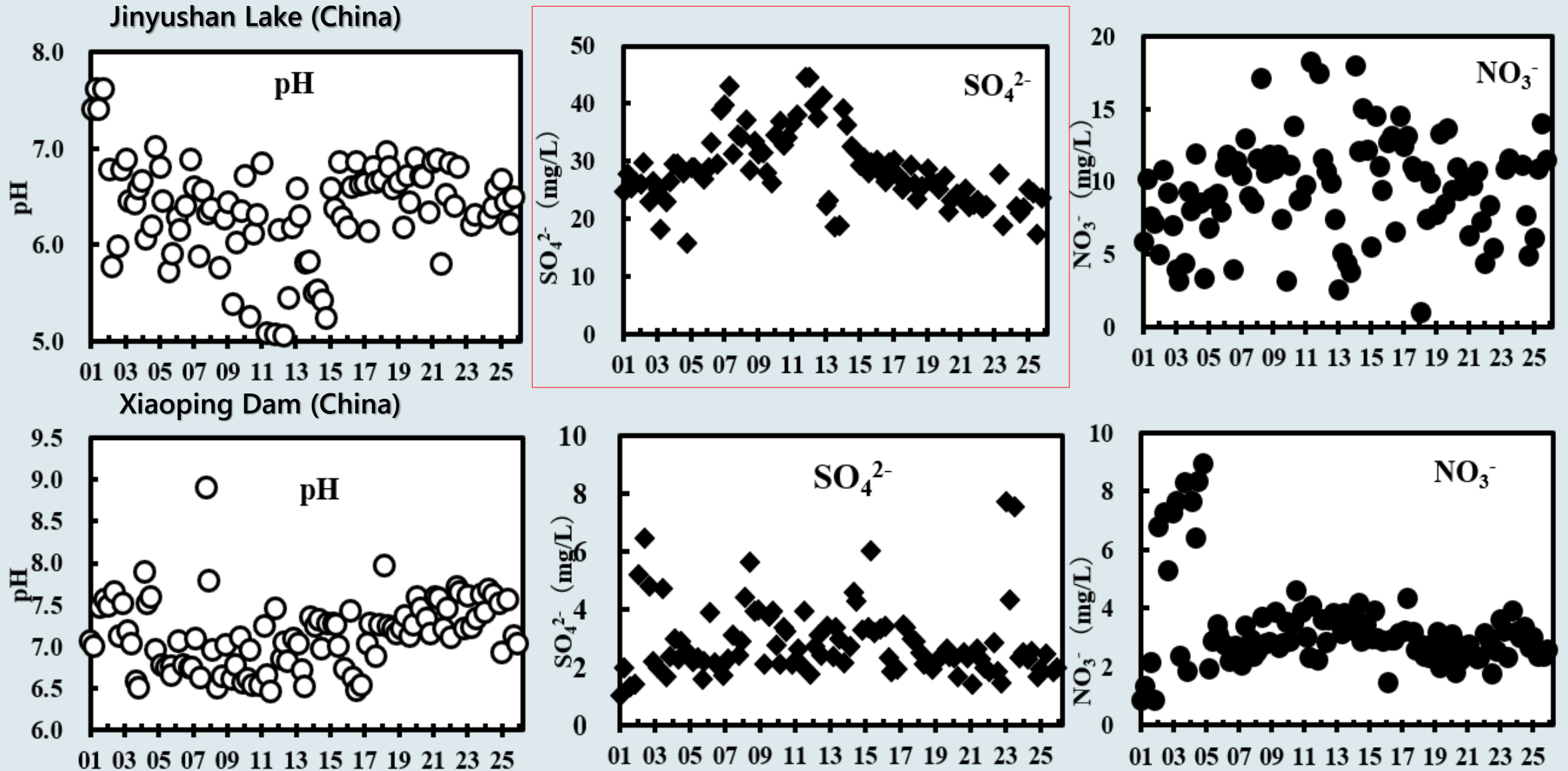
Patengang Lake (Indonesia) Not submitted



Gunung Lake (Indonesia) Not submitted

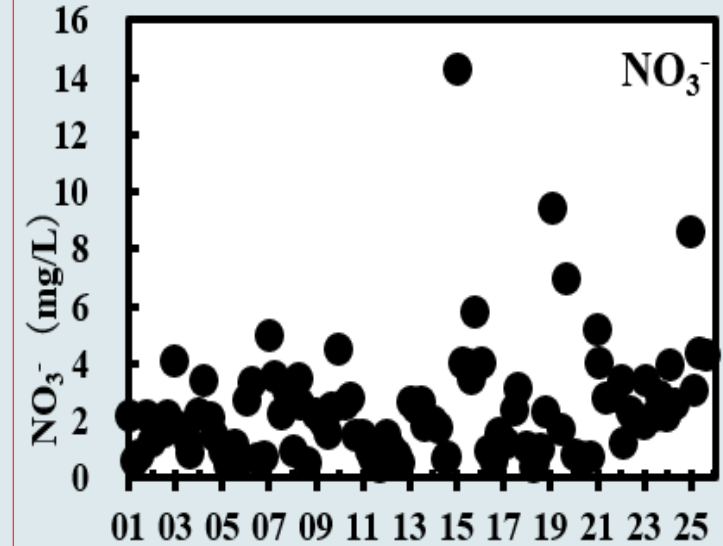
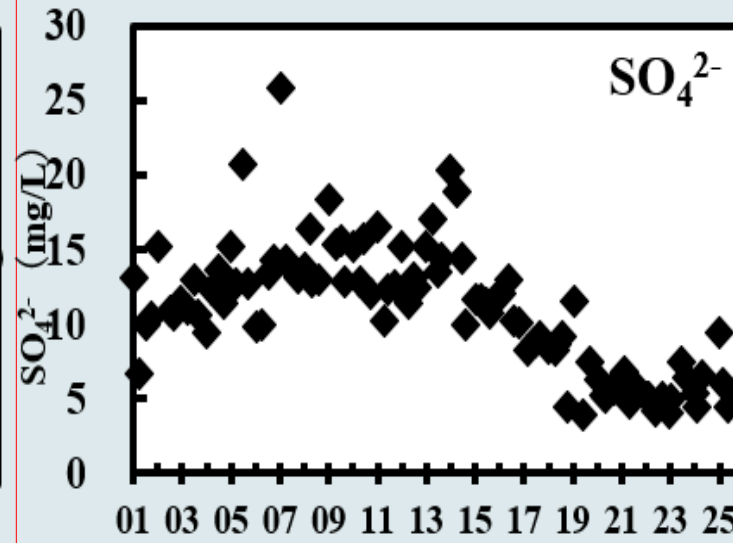
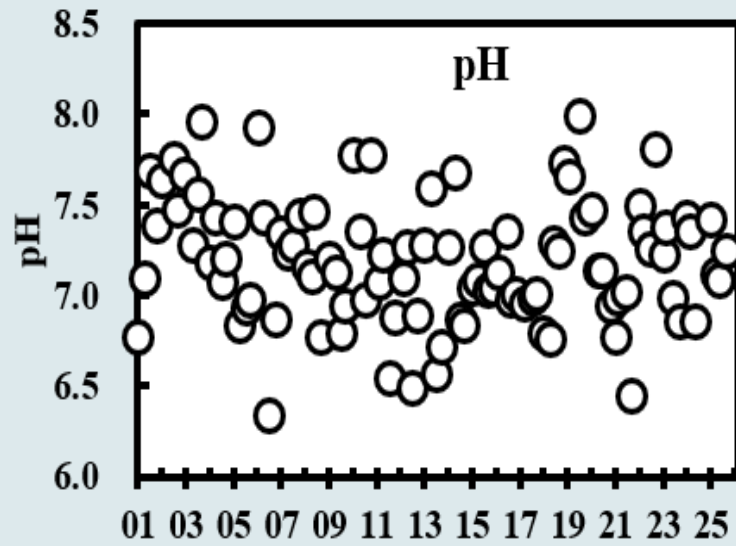


Results; Trends of pH, Sulfate and Nitrate at each site (2)

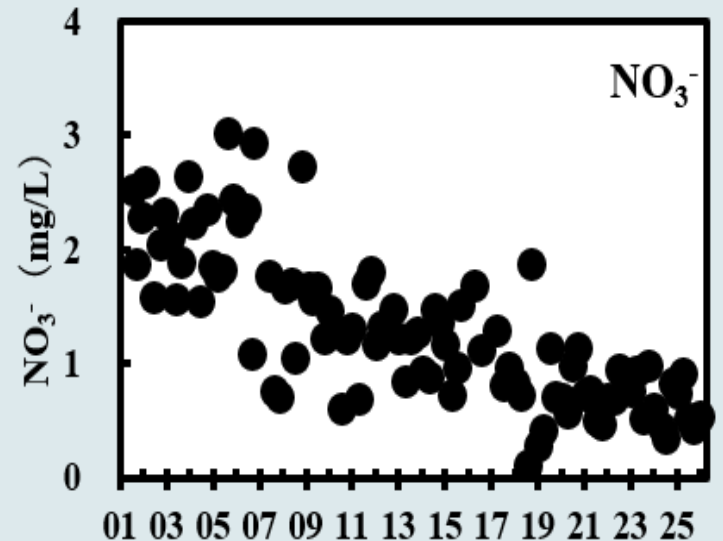
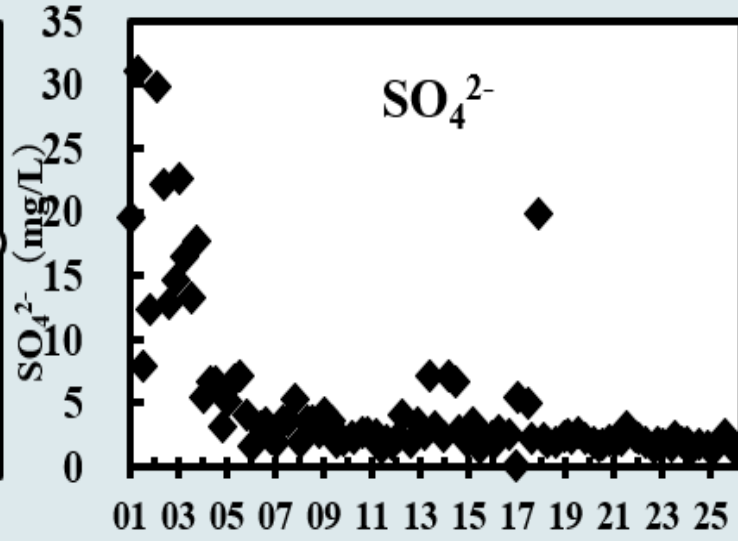
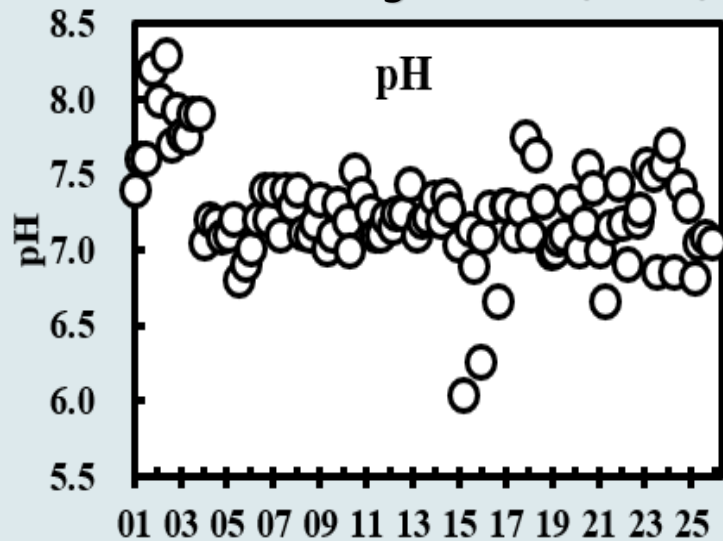


Results; Trends of pH, Sulfate and Nitrate at each site (3)

Jiwozi River (China)

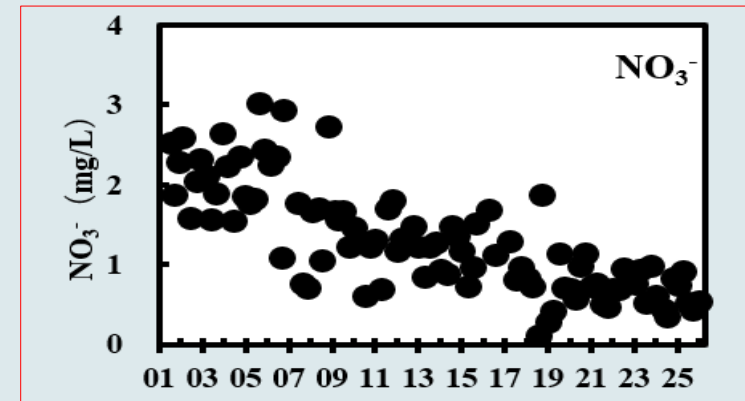
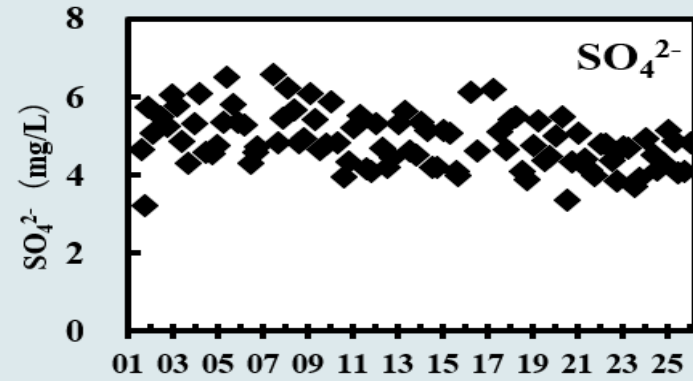
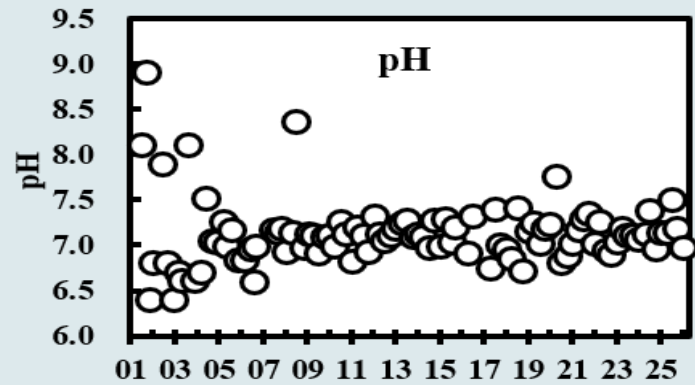


Zhuxiandong stream (China)

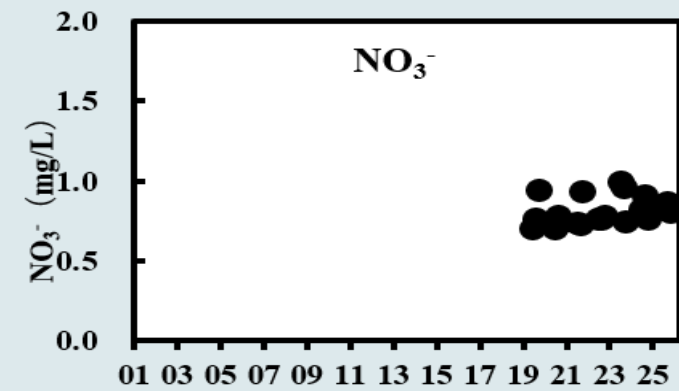
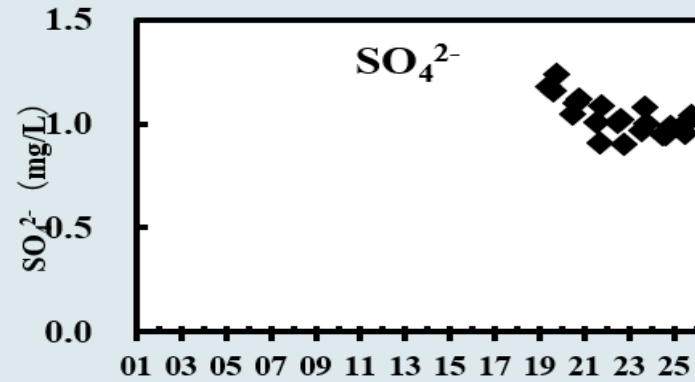
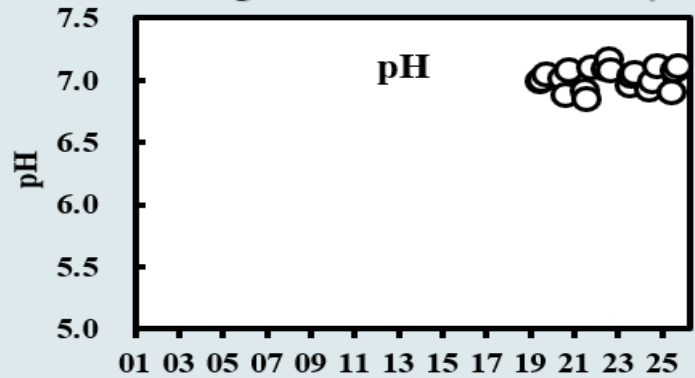


Results; Trends of pH, Sulfate and Nitrate at each site (3)

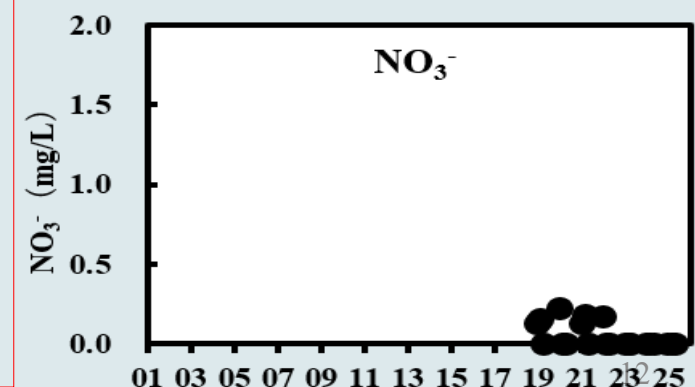
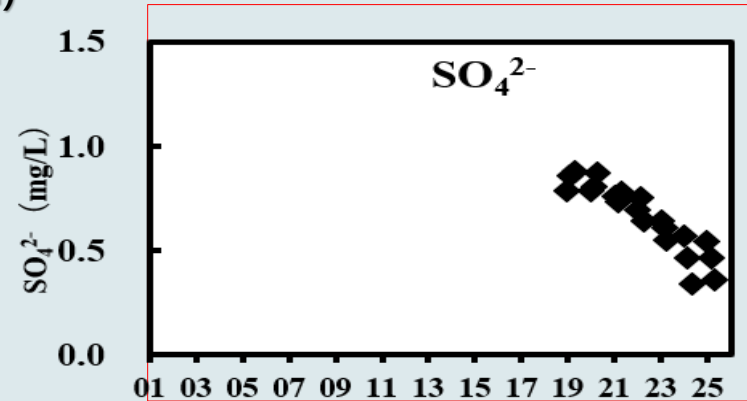
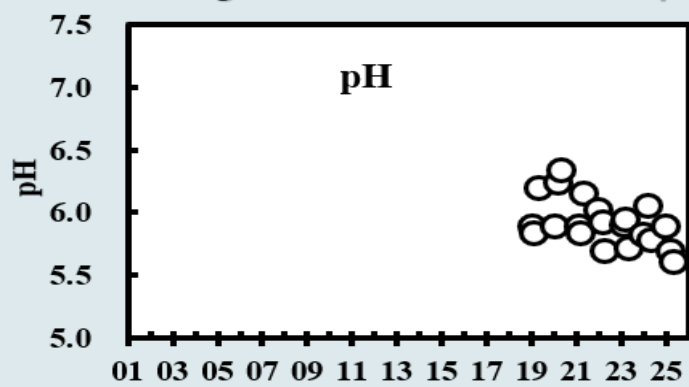
Ijira Lake (Japan)



Futago-ike Lake (Oike) (Japan)

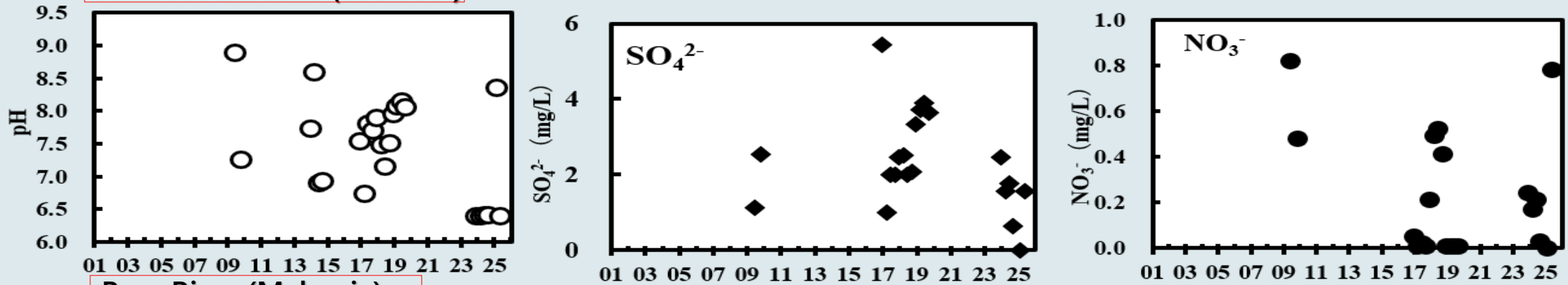


Futago-ike Lake (Meike) (Japan)

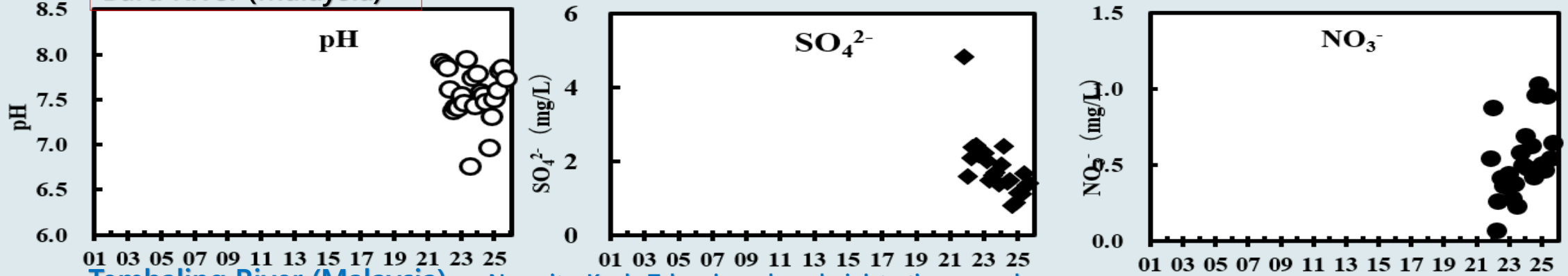


Results; Trends of pH, Sulfate and Nitrate at each site (4)

Nam Houm Lake (Lao PDR)

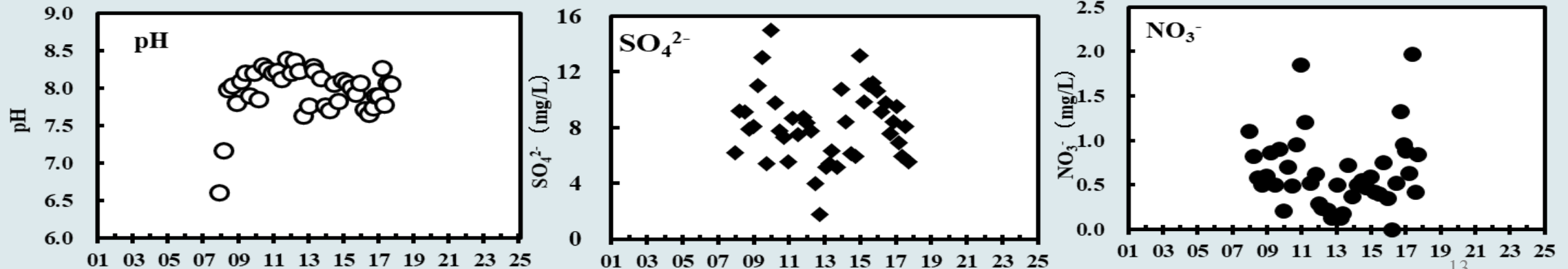


Baru River (Malaysia)

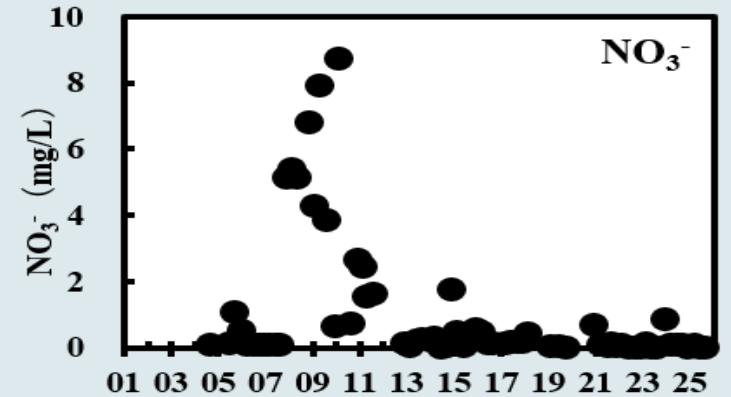
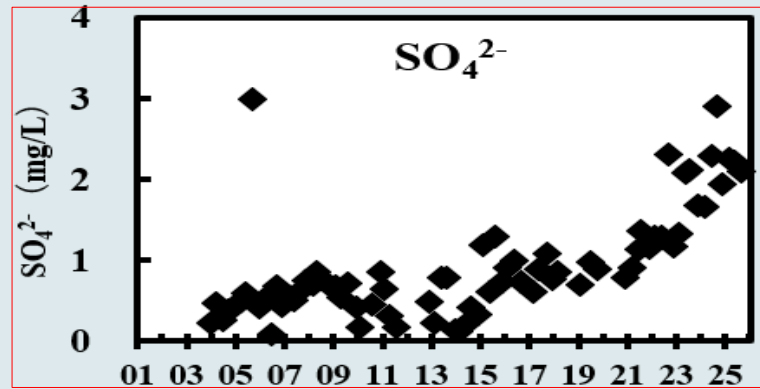
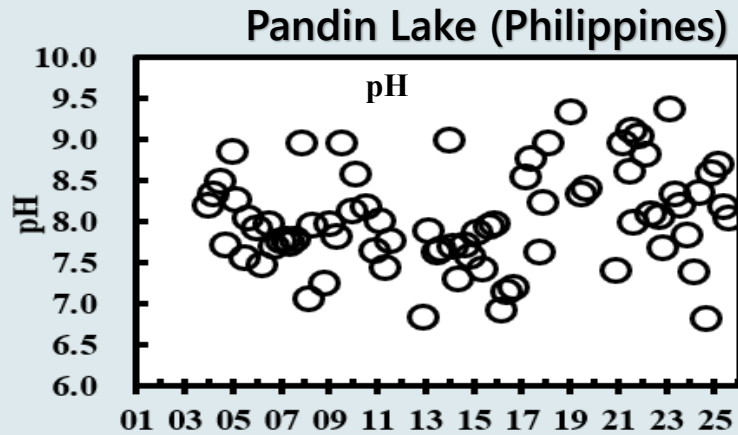
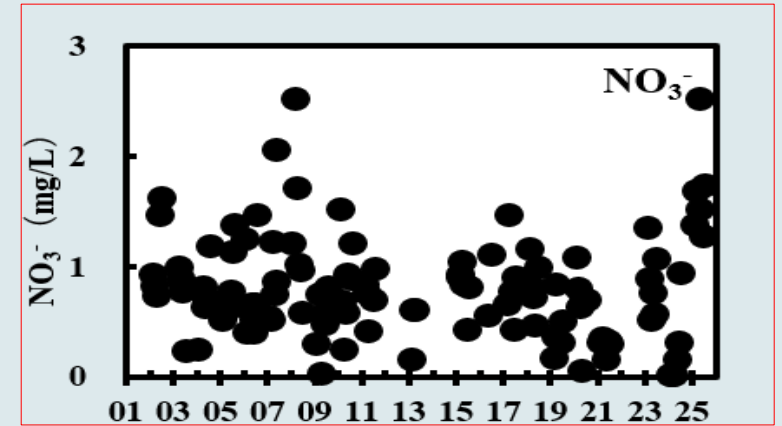
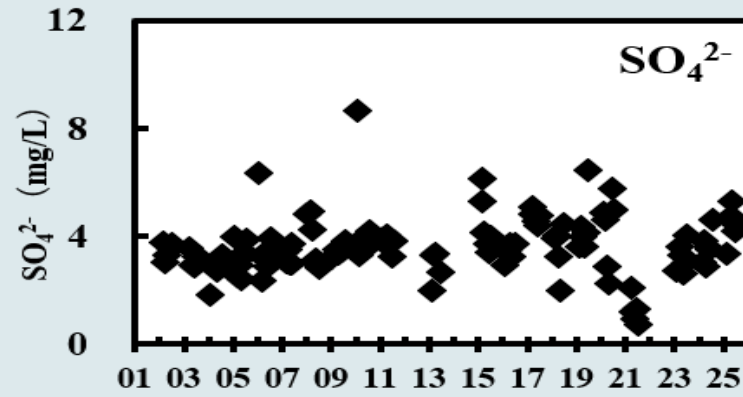
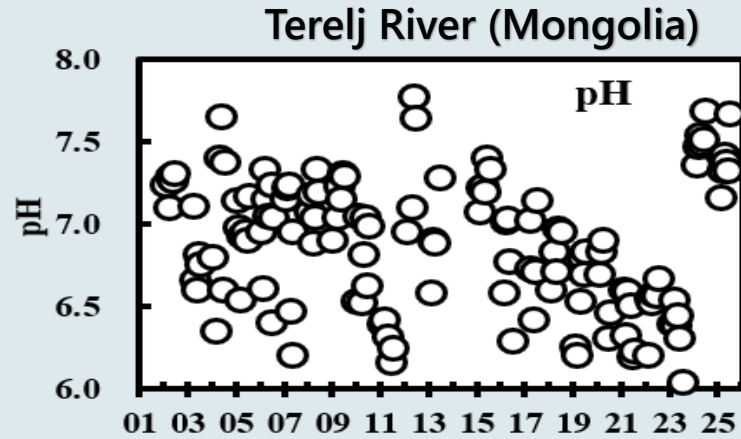


Tembaling River (Malaysia)

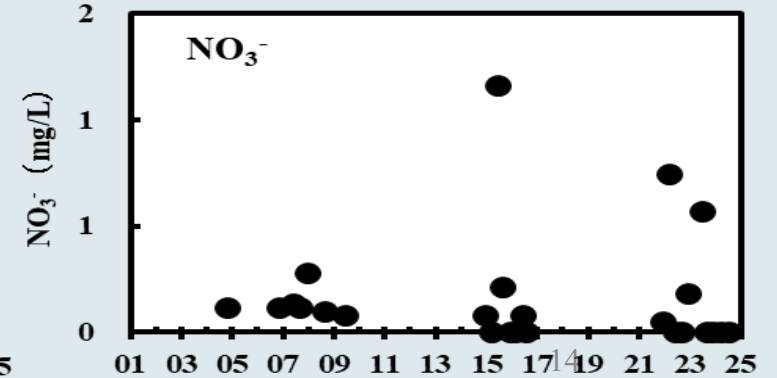
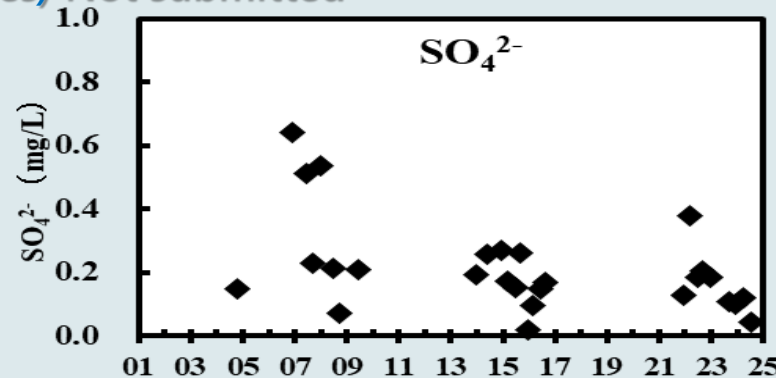
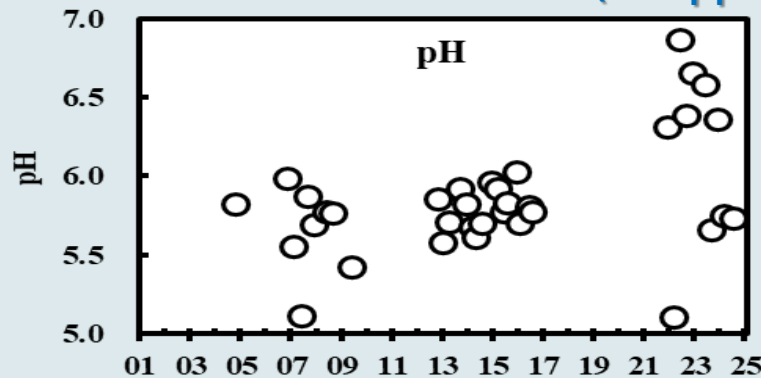
New site, Kuala Tahan is under administrative procedure.



Results; Trends of pH, Sulfate and Nitrate at each site (5)

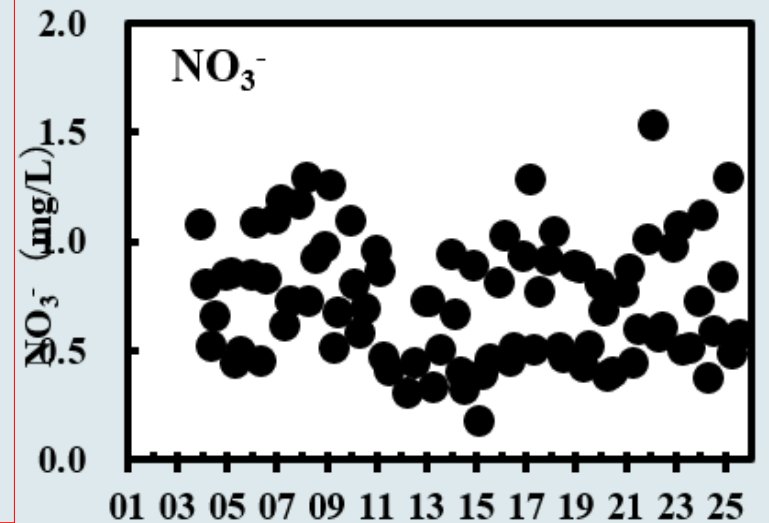
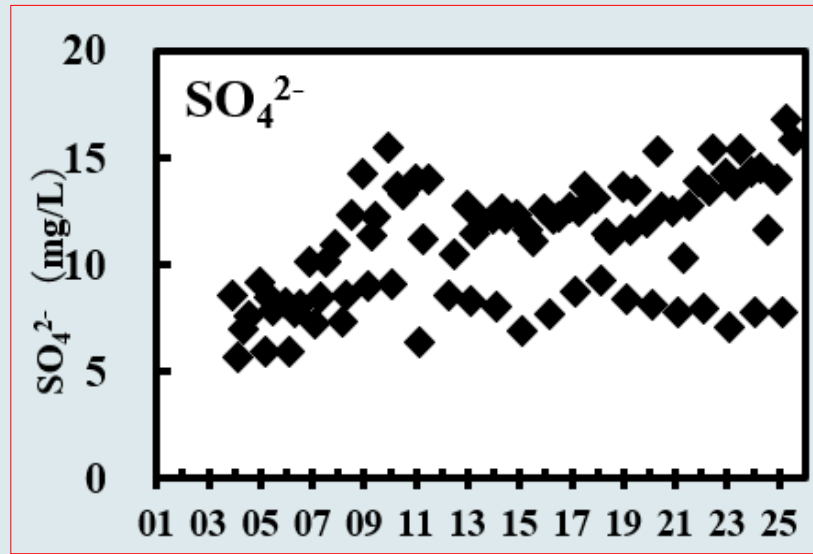
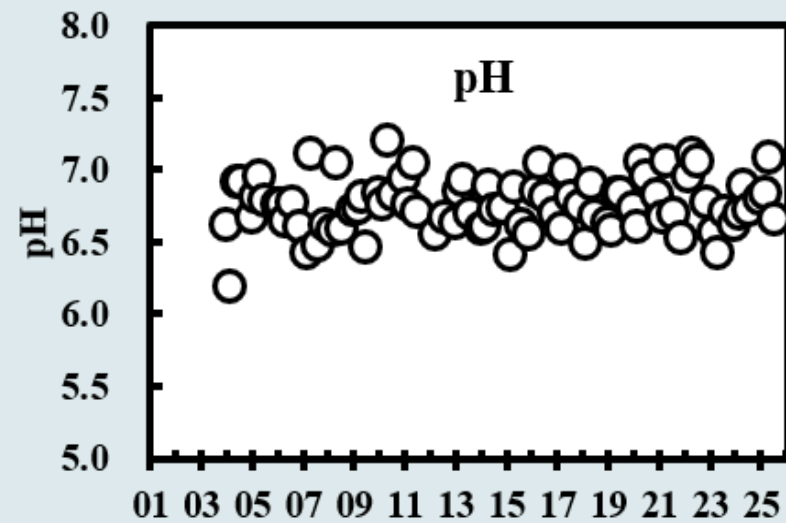


Ambulalakaw Lake (Philippines) Not submitted

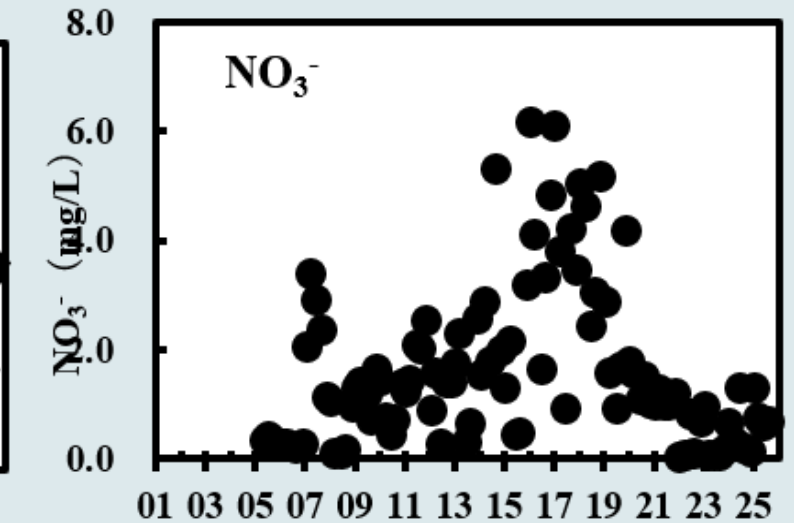
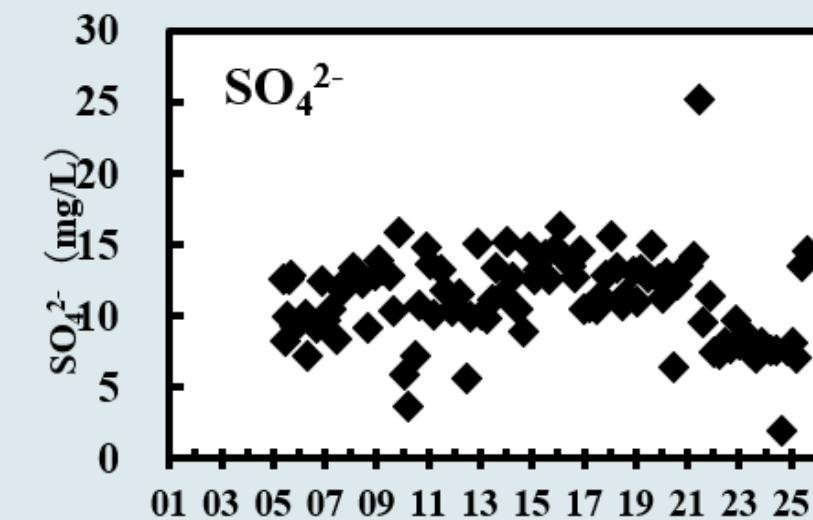
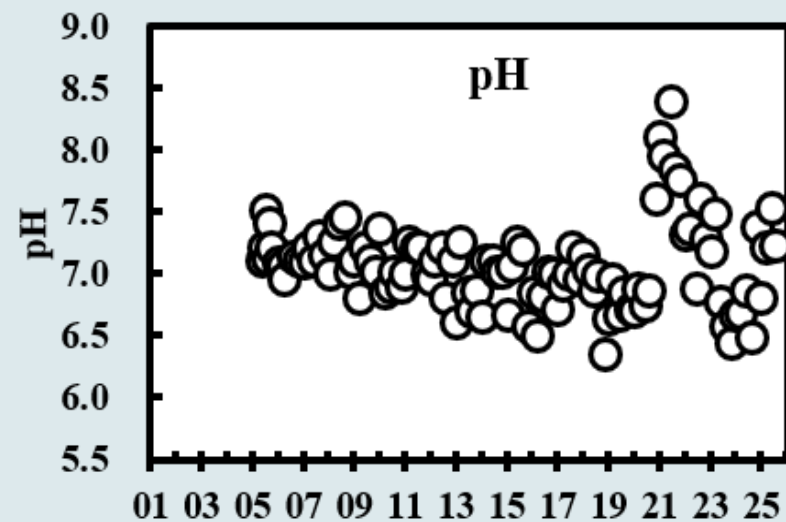


Results; Trends of pH, Sulfate and Nitrate at each site (6)

Pereemnaya River (Russia)

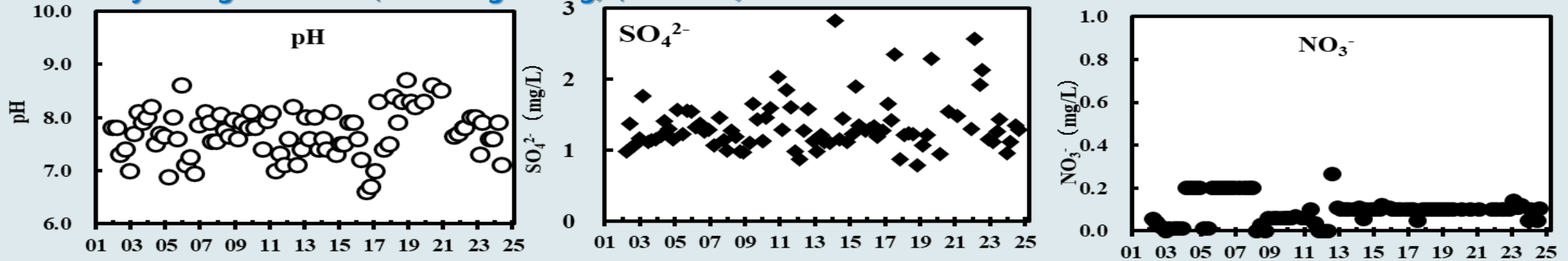


Komarovka River (Russia)

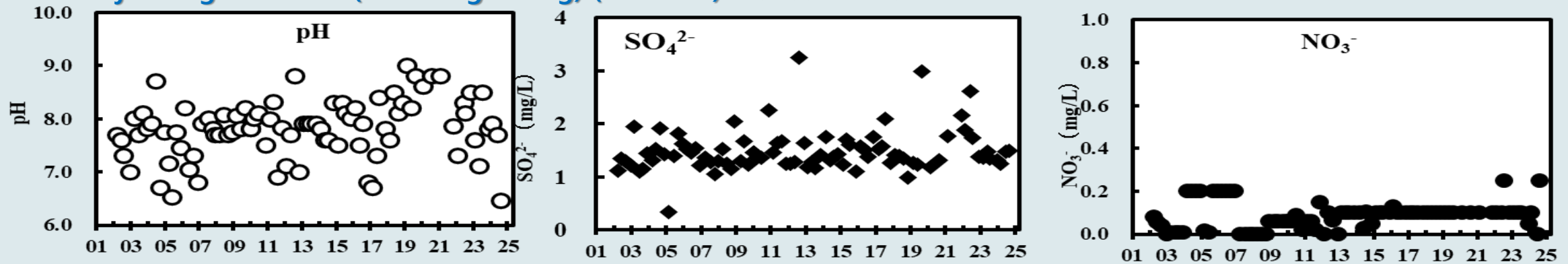


Results; Trends of pH, Sulfate and Nitrate at each site (7)

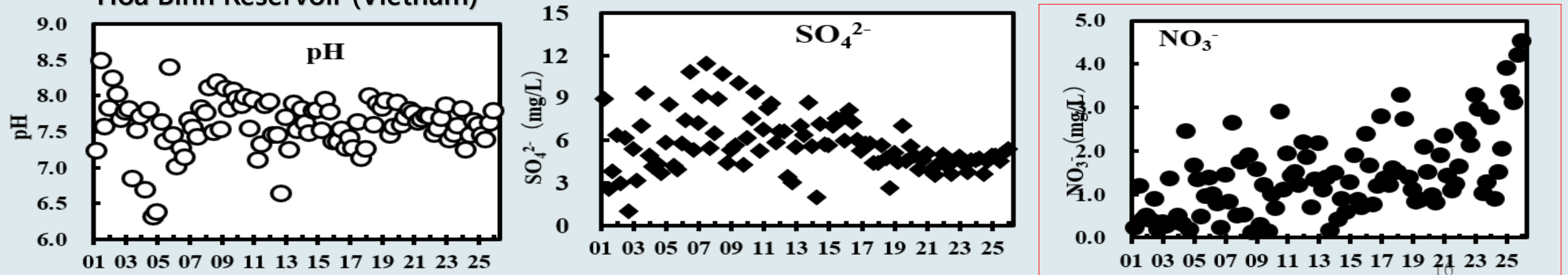
Vajiralongkorn Dam (Ban Pong Chang) (Thailand) Not submitted



Vajiralongkorn Dam (Ban Pang Pueng) (Thailand) Not submitted



Hoa Binh Reservoir (Vietnam)



Verification of the data

- All data were verified by the Ad-hoc Data Verification Group.
- Data quality was generally satisfactory at most EANET sites; however, improvements in analytical quality and sampling practices are still needed in several countries.
- The EC data of Nam Houm Lake (Lao PDR) were corrected after verification.

Thank you for your attention