# How to show the mobile logger data using the SESlogger software

# Installation of the SESlogger software

Download the SESlogger software for server, workstation, PC, notebook or netbook running Windows 7/8/10, Linux, Unix, MacOS and Raspberry Pi from

# http://has.eduhk.hk/seslogger/

Follow the instructions to install the software.

# Plot a graph for each type of data collected by a particular group



- 1. Open a log file: Menu  $\rightarrow$  Action  $\rightarrow$  Open. 11:55:14>T=27.000 Weather
- 2. Click "Recover data" button (and then "Yes" button to clear all data in the log)

🔟 Open	file - SESlogger (PC)	×
?	Open file to recover data (Current data will be overwritten!) or preview data/graphs	
	Recover data         Preview data/graphs         Cancel	
🔳 Clear L	.og	
?	Are you sure to clear all data in the log?	
	Yes No Cancel	

3. Select a log file to open.

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#### 4. Select Menu $\rightarrow$ Action $\rightarrow$ Graph/Map

[	SESlogger (PC)										
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# 5. Click "Plot Graph" button and then "Plot a New Graph" button.

🔳 Plot Graph/Draw Google	Мар		Plot/Show Graph		<b>×</b>
Plot graph or draw Goog	gle map		Show or Plot graph		
Plot Graph	Draw Google Map	Cancel	Plot a New Graph	Show Graph	Cancel

6. Select a type of data (that have actually been collected in the log file) to plot the graph, e.g. "1. Temp & Humidity". The corresponding will be shown on the left panel and you show it in a maximum window.



## To draw a Google map (for comparison of data across groups)

1. Select Menu  $\rightarrow$  Function  $\rightarrow$  Google Map  $\rightarrow$  Draw Google Map

III SESI	ogger (l	PC)						
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#You are now connected to SES			Google Ma	р	•	Draw Go	ogle Map	
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### 2. Select all the relevant log files for different groups (Press [Shift] button together with mouse click)

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			<u>Open</u> Cancel					

3. Click "New Map" button (or "Add Data" if you have already draw a Google map)



4. Select a type of data (that have actually been collected with GPS data) to show in the Google map, e.g. "4 a. PM(1.0,2.5,10). You may choose to show on "PM2.5" or "PM1.0, PM2.5 and PM10 together"

Google Map to Draw	×			
Select a type of data be	elow			
c. Flame IR level	^			
d. Surface IR temp				
4. Air Quality Data				
a. PM(1.0,2.5,10)				
b. CO2 Concentration				
c. O2 Concentration				
5. Gas level				
6. Magnetic field				
7. Solution Data				
a. pH value	PM	graph type		
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ОК	Cancel	PM(1.0,2.5,10)	PM2.5	Cancel

5. A Google map will be shown in the left panel. You may manipulate the map with the zoom (+-), Map and Satellite legends.

SESlogger (PC)						- • ×
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6. To show another type of data (e.g. "0. Sound level", "1. Temp & Humidity", "3 d. Surface IR temp"), select Menu → Action → Graph/Map. Click "Draw Google Map" button and the "Show Other Data" button.

