Asian Soundscape Project

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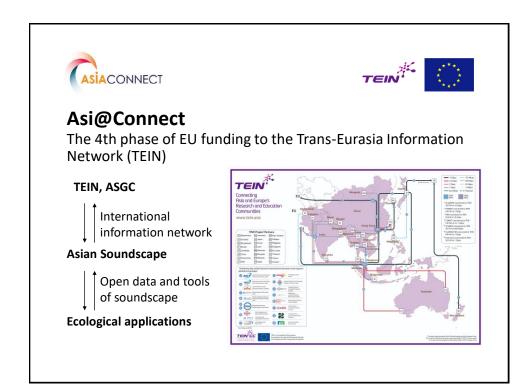
Framework

- Asian Soundscape Project is an open database of soundscape
 - Terrestrial soundscape
 - Ultrasonic soundscape
 - Aquatic soundscape
- Supported by Asi@Connect and Academia Sinica Grid Computing (ASGC)





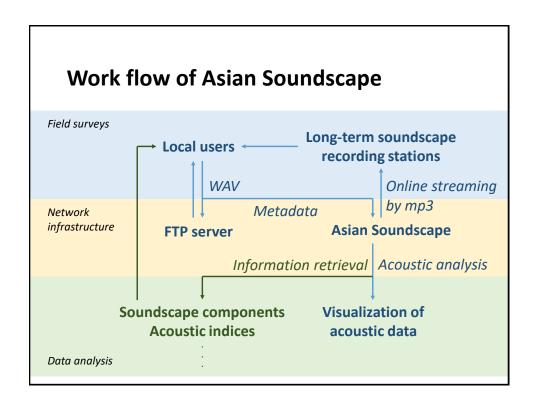


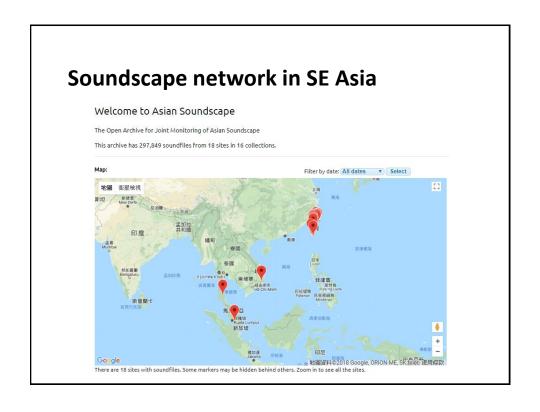


Asian Soundscape (soundscape.twgrid.org)

- Open data and open tools
- For ecological and environmental researches, citizen science, education

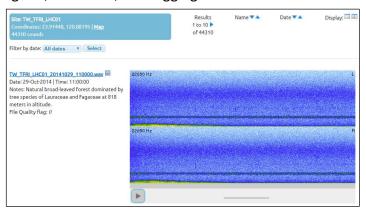






Open data

- Free access for all recordings (WAV and mp3)
- · Spectrogram, metadata, and tagging



Metadata

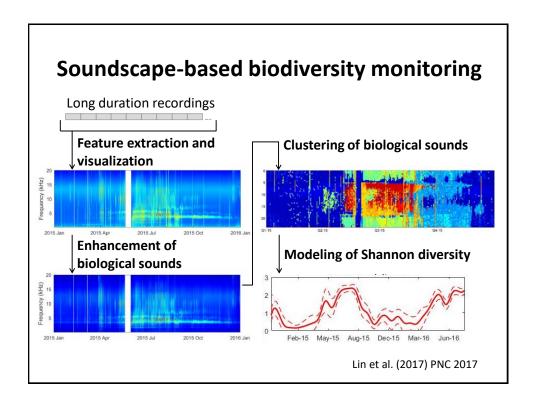
- For each audio clip:
 - Location, time, duration
 - Recorder, acoustic sensor
 - Sampling frequency, gain
- For each recording station:
 - Basic environmental and ecological descriptions
 - Photos of recording sites (if any)

Open tool

(available in the next workshop @ 2018/19)

- Long-term spectrogram (visualization of long-duration recordings)
- Blind source separation (biological and non-biological components)
- Clustering (structure of soundscape)
- Acoustic indices (visualization of big acoustic data)

Please check the lecture 2 for detail information!



An example of interacting soundscape visualization

https://ppt.cc/f4ARdx

