



110-2 地圖與地理資訊系統

LAB 08 TimeSlider

助教：倪煒傑、楊宇翔、張旻蓓

The background features a complex network of nodes and lines in various colors (grey, teal, blue, purple) overlaid on large, semi-transparent geometric shapes like triangles and polygons in shades of purple, teal, and blue. The overall aesthetic is modern and tech-oriented.

Time Slider

實習使用圖資

- 歷年重大土石流災例分布圖 (自行下載) TWD97/TM2(EPSG:3826)

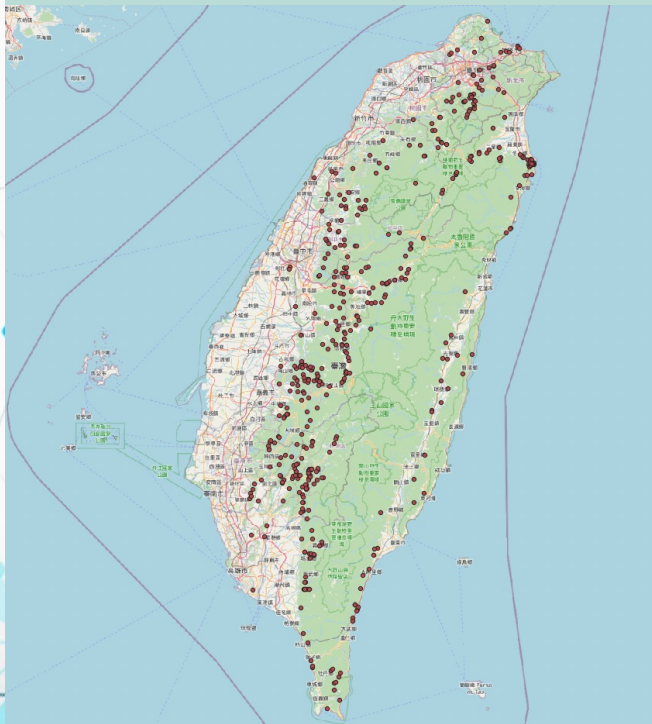
<https://data.gov.tw/dataset/143435>

- 累積雨量圖 (LAB6累積雨量分布地圖所做出來的成果)

3H.tif / 6H.tif / 12H.tif / 24H.tif

時間資料處理 – 產生時間欄位(Date)

匯入歷年重大土石流災例圖層
歷年重大土石災例.shp



歷年重大土石災例 — Features Total: 518, Filtered: 518, Selected: 0

ID	Y	Year	EventID	DisasterTy	Location	FileUrl	DisasterTi
1	642,366	97	97-0093	沖蝕,洪水	連城溝壩	https://246.s...	2008/07/18 00:00:00.000
2	645,429	97	97-0098	土石流	投69線里程4...	https://246.s...	2008/07/18 00:00:00.000
3	645,069	97	97-0099	土石流	災害地點位於...	https://246.s...	2008/07/14 00:00:00.000
4	638,130	97	97-0101	崩塌	伊達邵橋店街	https://246.s...	2008/07/18 00:00:00.000
5	633,079	97	97-0096	崩塌	民和橋上游	https://246.s...	2008/07/18 00:00:00.000
6	645,176	97	97-0094	土石流	卓社羅溪出口旁	https://246.s...	2008/07/18 00:00:00.000
7	674,455	97	97-0095	地滑	力行嘉華道路...	https://246.s...	2008/07/18 00:00:00.000
8	635,941	97	97-0097	土石流	災害地點位於...	https://246.s...	2008/07/18 00:00:00.000
9	585,550	97	97-0085	地滑	高麗縣公車中...	https://246.s...	2008/07/18 00:00:00.000
10	570,460	97	97-0083	土石流	https://246.s...	https://246.s...	2008/07/18 00:00:00.000

屬性欄位格式為String

歷年重大土石災例 — Field Calculator

Only update 0 selected features

✓ Create a new field

Create virtual field

Output field name: Date

Output field type: Date

Output field length: 8 Precision: 3

Expression: to_date("DisasterTi")

Preview: <date: 2008-07-18>

利用Field Calculator將String轉為Date

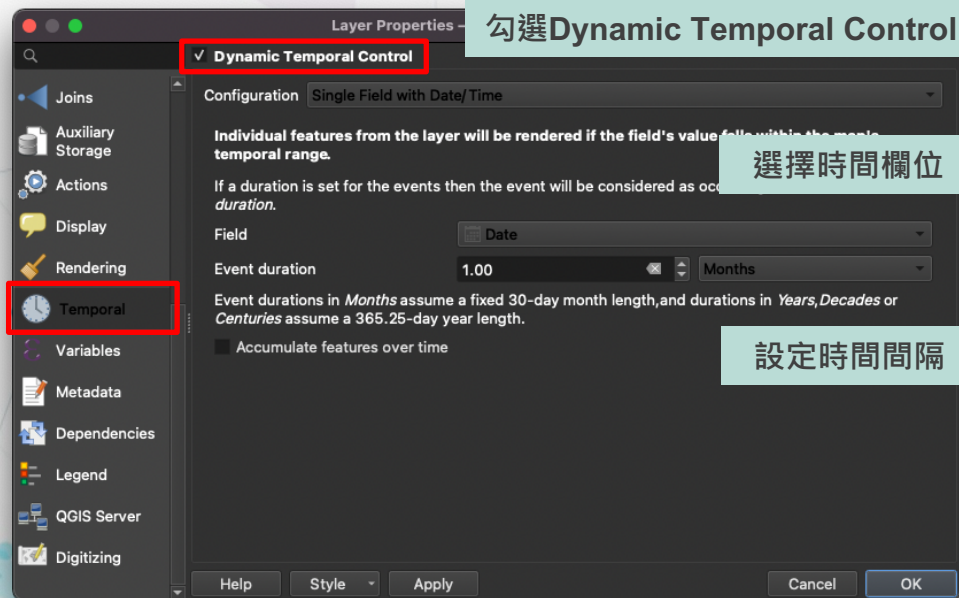
ed: 518, Selected: 0

DisasterTi	ReviewDate	Date
2008/07/18 00:00:00.000	2009-0...	2008-07-18
2008/07/18 00:00:00.000	2009-0...	2008-07-18
2008/07/14 00:00:00.000	2009-0...	2008-07-14
2008/07/18 00:00:00.000	2009-0...	2008-07-18
2008/07/18 00:00:00.000	2009-0...	2008-07-18
2008/07/18 00:00:00.000	2009-0...	2008-07-18
2008/07/18 00:00:00.000	2009-0...	2008-07-18
2008/07/18 00:00:00.000	2009-0...	2008-07-18
2008/07/18 00:00:00.000	2009-0...	2008-07-18
2008/07/18 00:00:00.000	2009-0...	2008-07-18
2008/07/18 00:00:00.000	2009-0...	2008-07-18
2008/07/19 00:00:00.000	2009-0...	2008-07-19

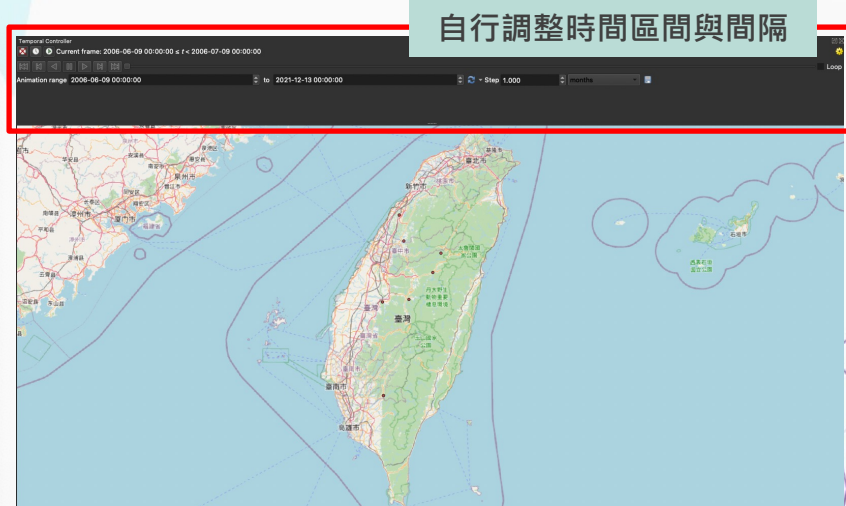
屬性欄位格式為Date

時間資料處理 – 向量資料動態時間控制

Properties > Temporal

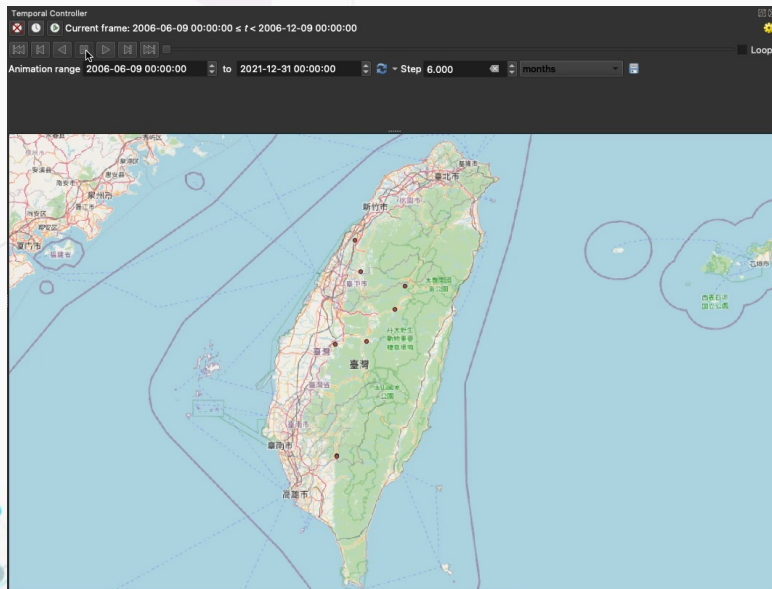


View > Panels > Temporal Controller

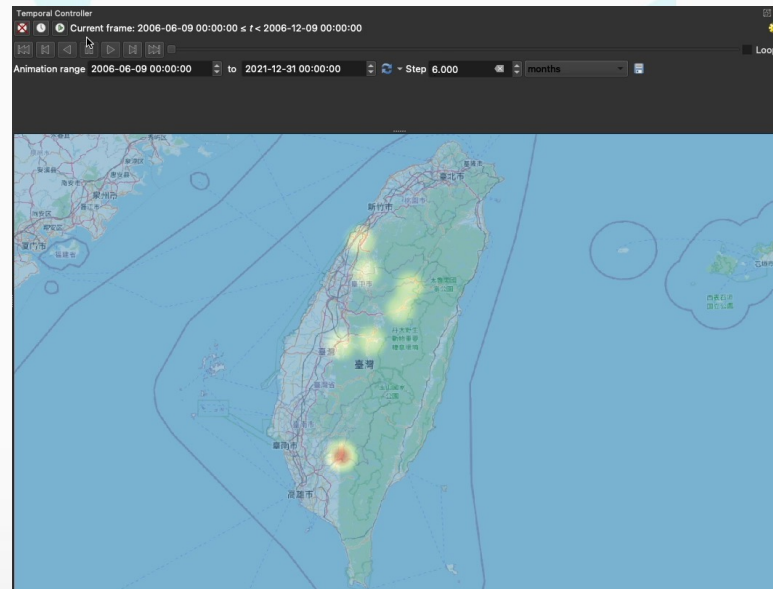


時間資料處理 – 向量資料動態時間控制

樣式為Single Symbols

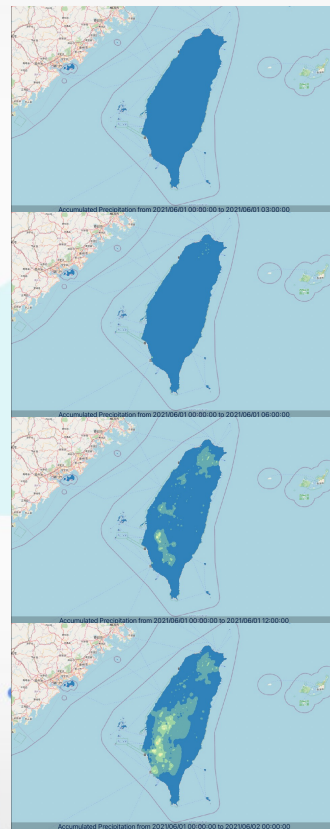
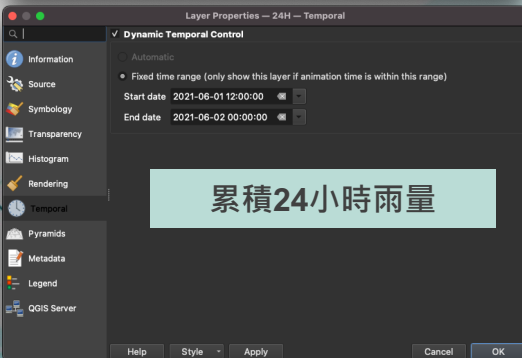
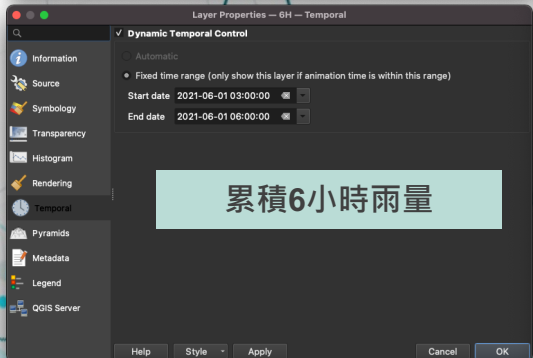
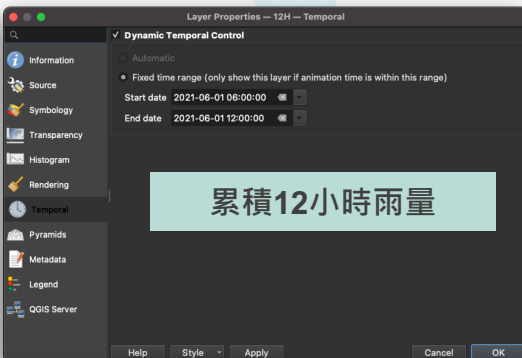
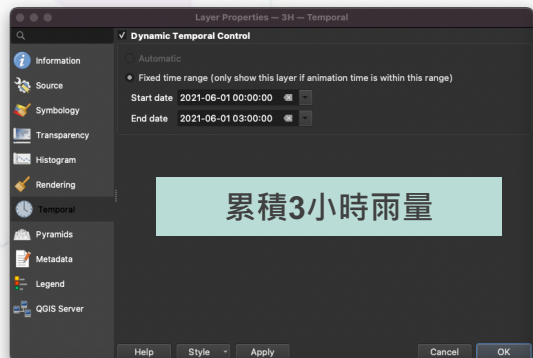


樣式為Heatmap



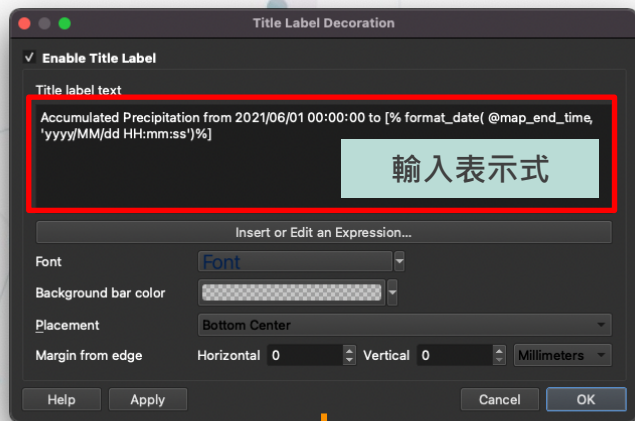
時間資料處理 – 網格資料動態時間控制

Properties > Temporal



時間資料處理 – 放置時間標籤

View > Decorations > Title label



放置標籤於地圖下方

