

# 我國CMAQ公告模式教育訓練 —後製工具操作教學

教學者：景丰科技股份有限公司 楊淳安

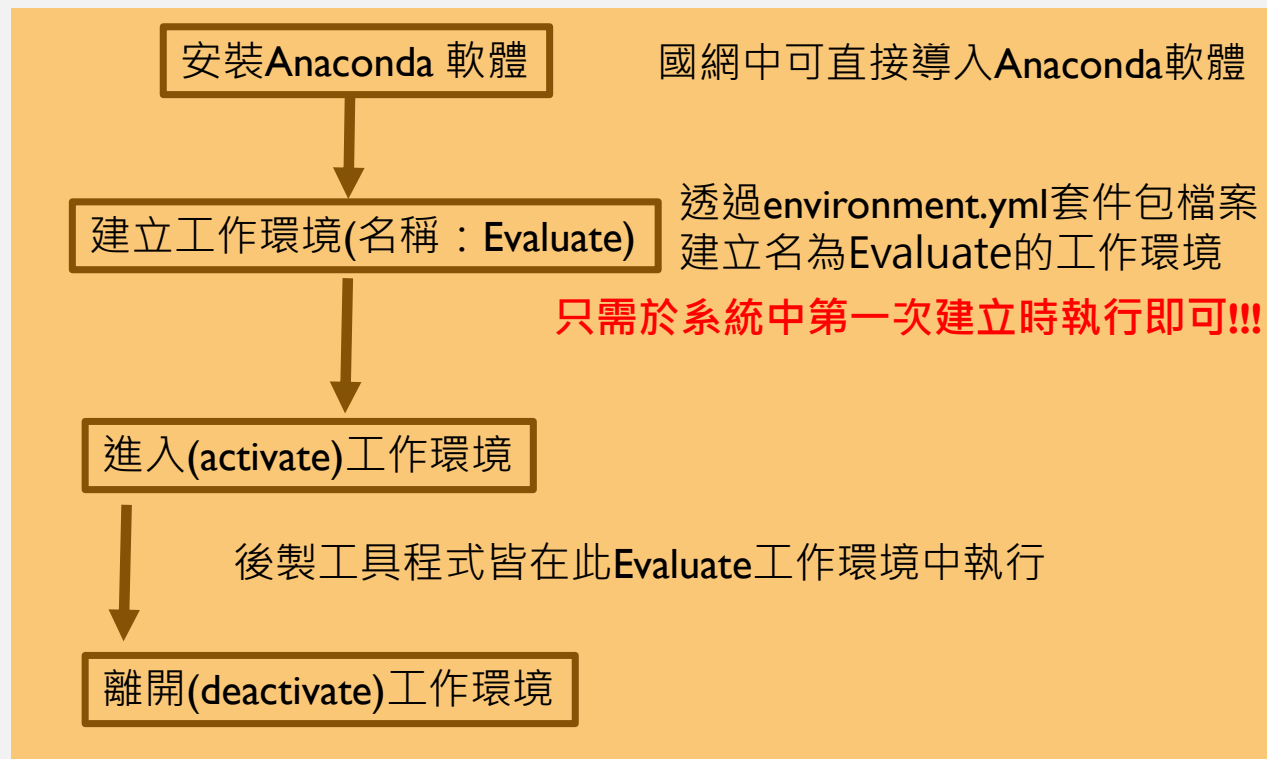
日期：111年2月17日

## 後製工具操作教學內容

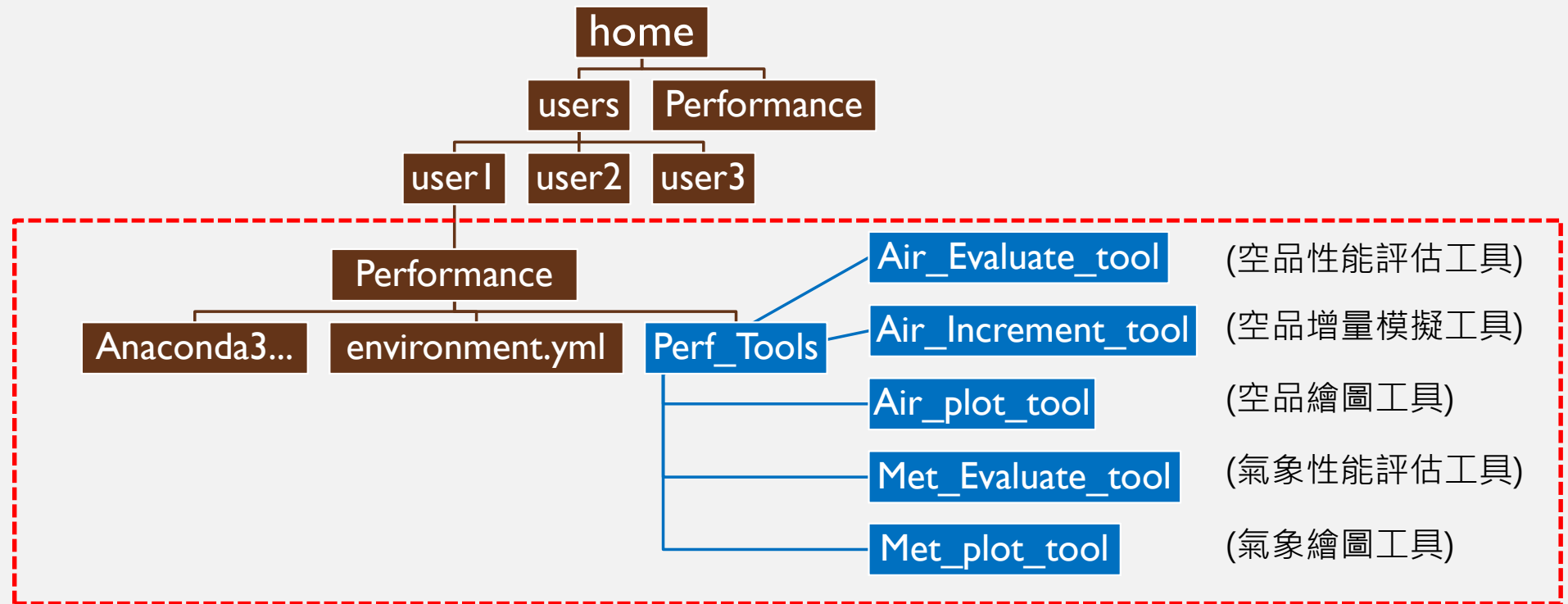
- 安裝後製工具相關軟體與環境：
- 安裝Anaconda軟體、建立工作環境(名稱：Evaluate)、進入(activate)及退出(deactivate)工作環境
- 執行後製工具程式：
- 空品性能評估工具、空品繪圖工具、空品增量模擬工具  
氣象性能評估工具、氣象繪圖工具 (若使用公版之氣象模式者，不需再執行氣象相關工具)

## 安裝後製工具相關軟體與環境

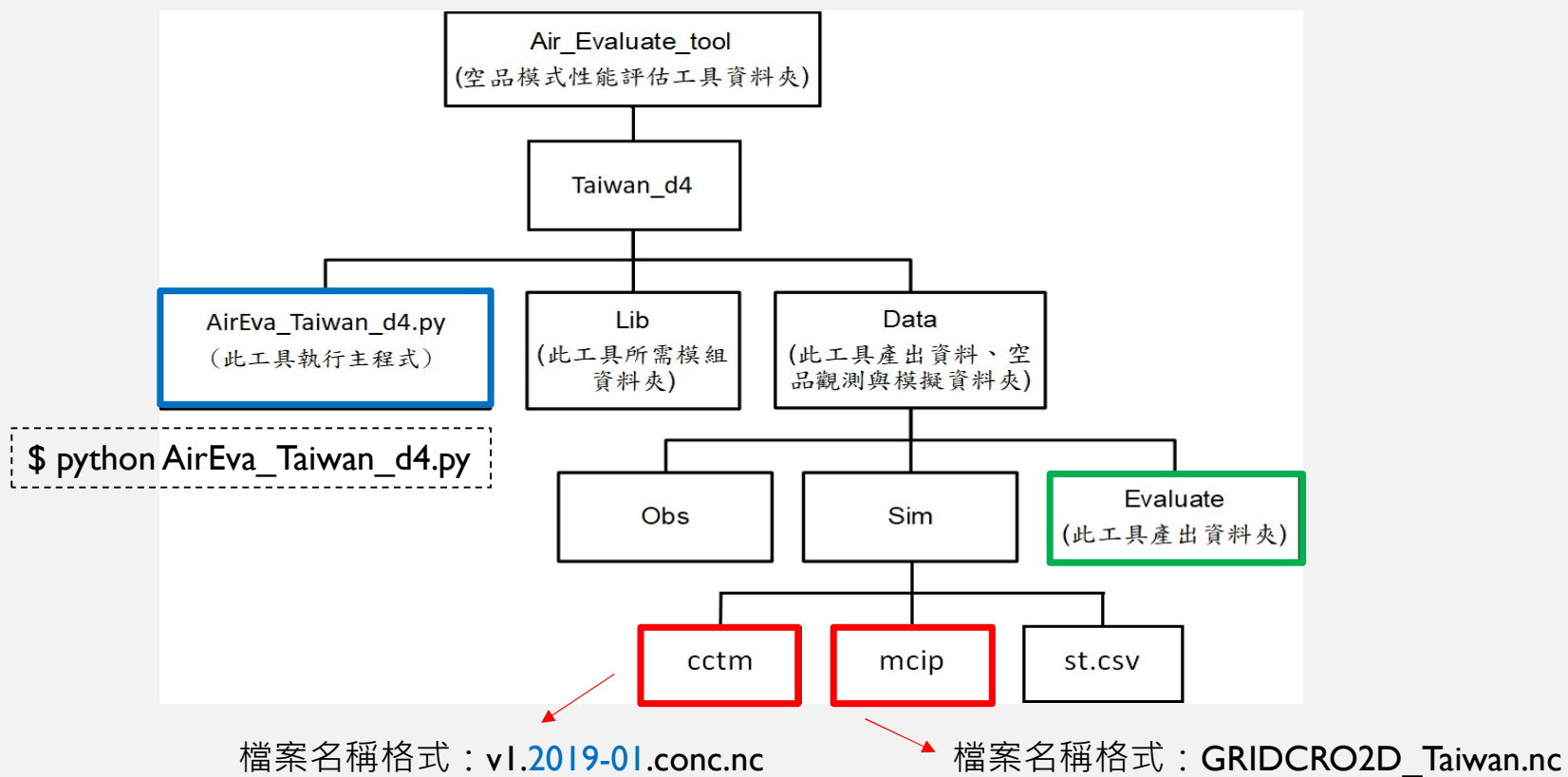
### 國網



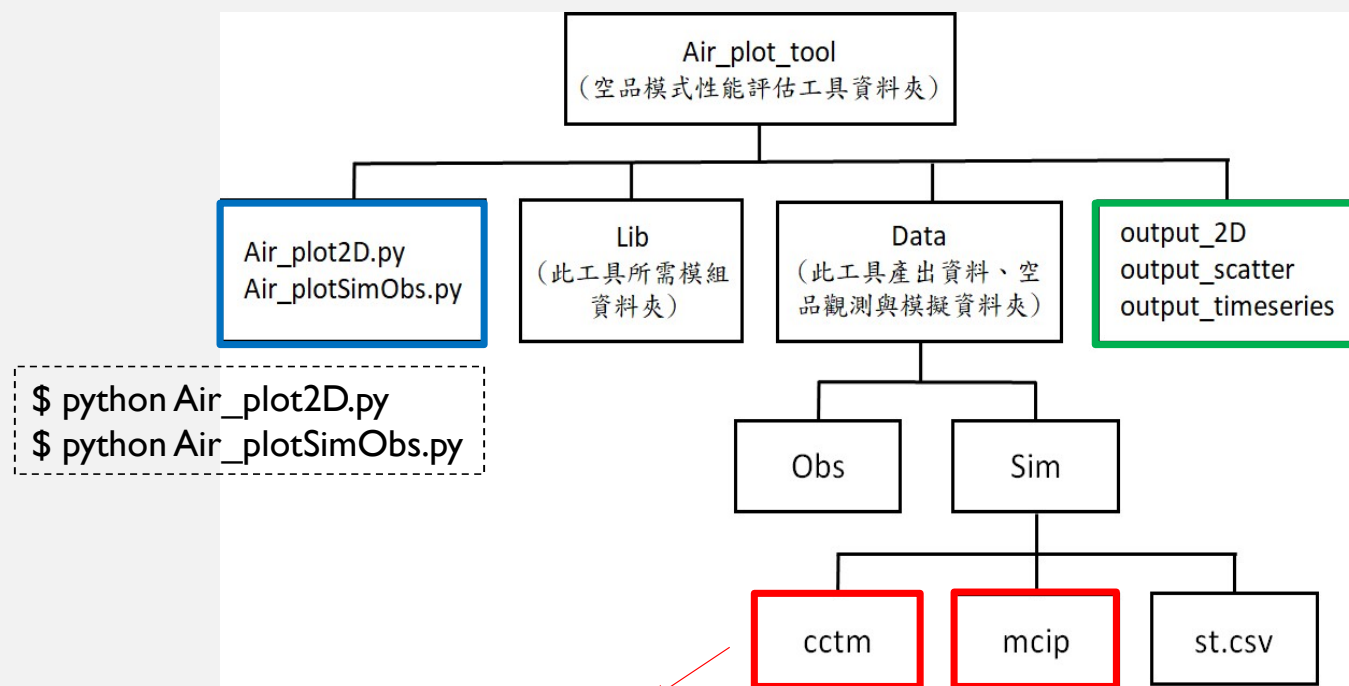
## 執行後製工具程式



## 空品性能評估工具資料夾配置



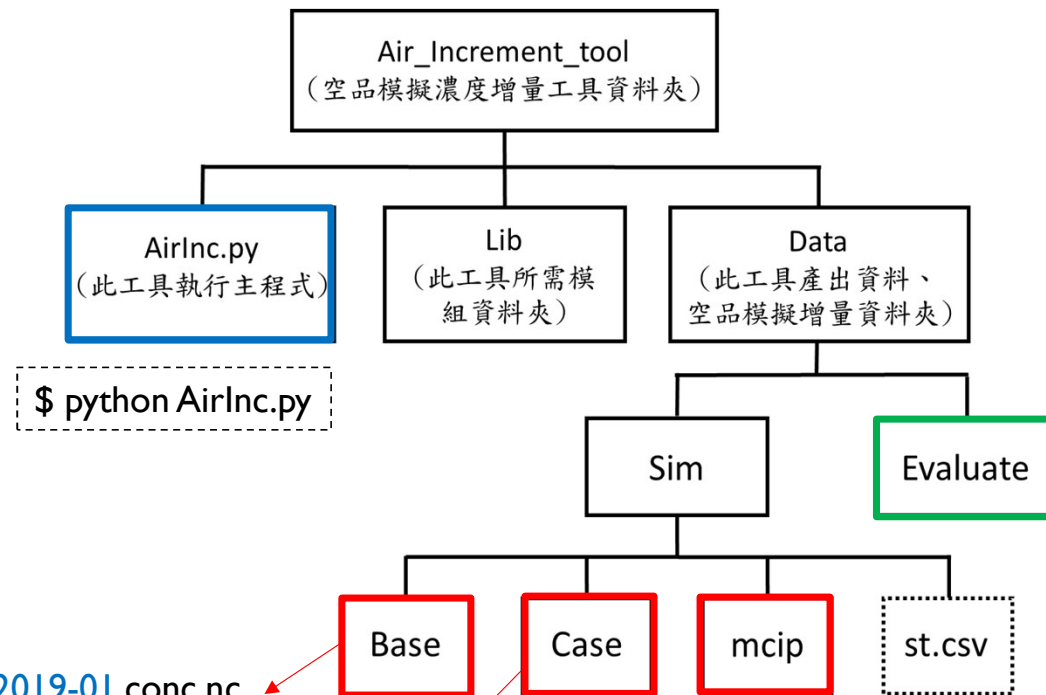
## 空品繪圖工具資料夾配置



檔案名稱格式：v1.2019-01.conc.nc

檔案名稱格式：GRIDCRO2D\_Taiwan.nc

## 空品增量模擬工具資料夾配置



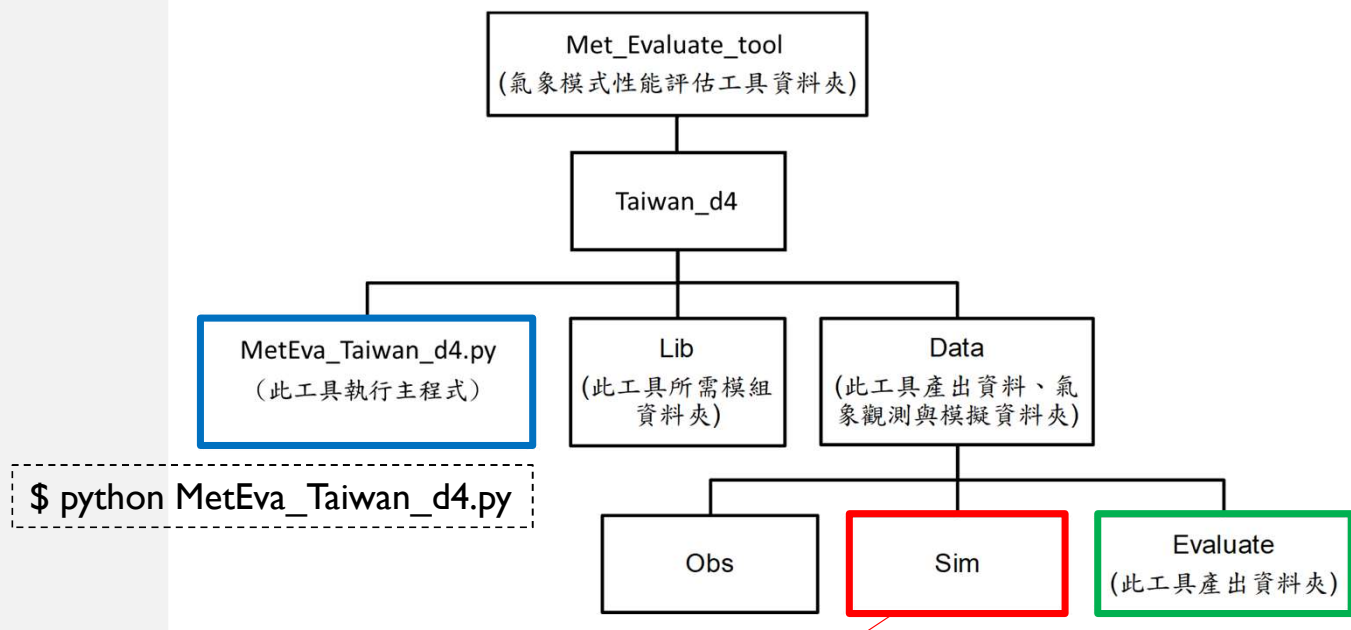
背景模擬檔案：vl.2019-01.conc.nc

增量模擬檔案：c-vl.2019-01.conc.nc

檔案名稱格式：GRIDCRO2D\_Taiwan.nc

## 氣象性能評估工具資料夾配置

非使用公版之氣象模式者，才需要執行並提供模擬資料給程式!!!



T2資料夾檔案格式：  
2019-01-01\_T2\_sim.csv

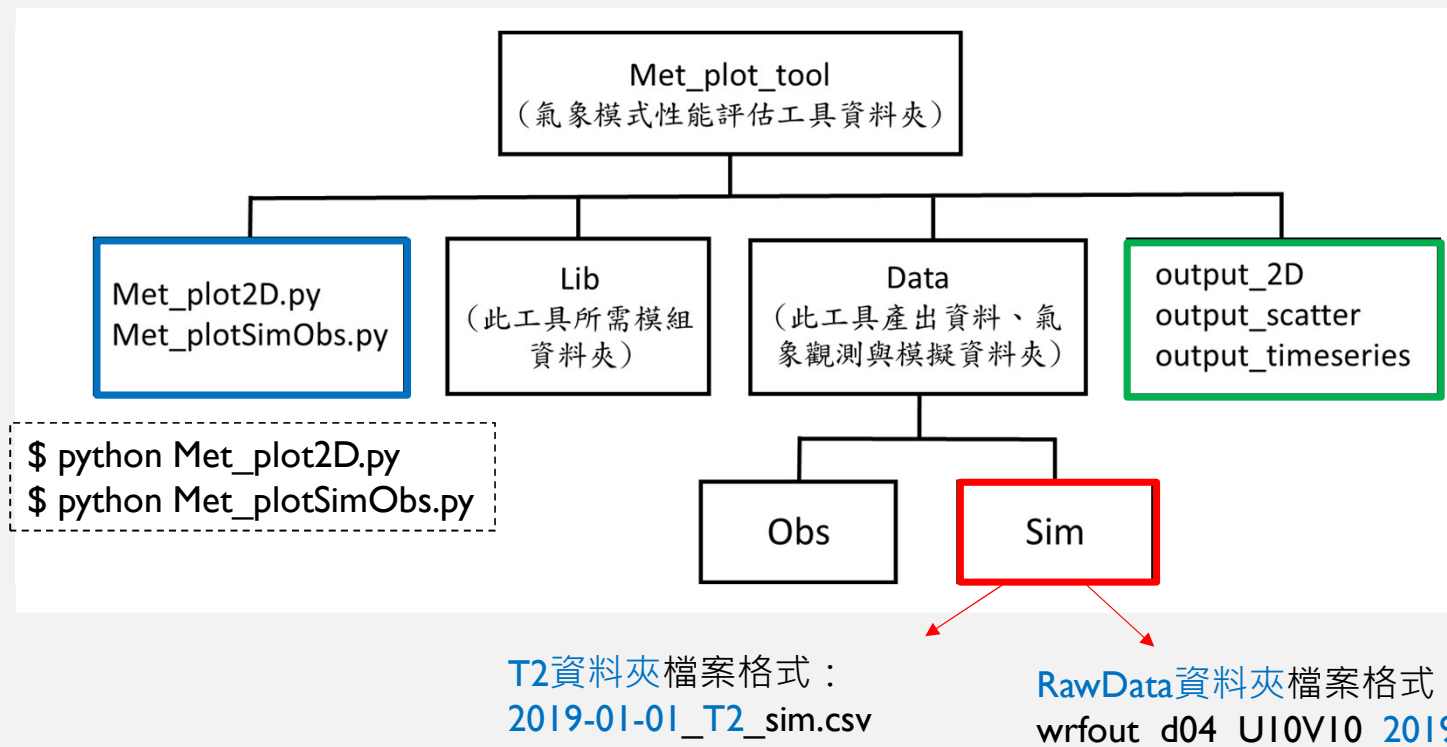
例：2019-01-01\_T2\_sim.csv

	鞍部	淡水	竹子湖	基隆	台北
2019-01-01-00	11.14508	16.35721	11.98184	16.12097	16.35123
2019-01-01-01	11.10056	16.58777	12.2009	16.0766	16.52942
2019-01-01-02	11.38596	17.13498	12.5481	15.50751	16.46826
2019-01-01-03	11.05524	17.45007	12.7536	15.83115	16.81403
2019-01-01-04	11.39081	17.52637	12.51288	15.43729	16.57104
2019-01-01-05	11.1351	17.2688	12.45963	15.38043	16.67731
2019-01-01-06	11.09885	17.7366	12.01028	15.49646	16.99036
2019-01-01-07	10.82242	16.53171	11.901	15.32611	16.43271
2019-01-01-08	10.40347	16.2384	11.40607	15.52933	16.44653
2019-01-01-09	10.28348	15.64133	11.42725	15.4657	15.91068
2019-01-01-10	9.970459	15.70032	12.87415	15.57922	15.82455
2019-01-01-11	10.39661	15.66849	11.38663	15.77286	15.55807
2019-01-01-12	10.12918	15.43301	11.40659	15.67288	15.37433
2019-01-01-13	10.39785	15.36704	11.04505	15.39412	15.44137
2019-01-01-14	10.63842	15.38511	11.47351	15.64464	15.25758
2019-01-01-15	10.16887	15.60123	12.6411	15.65743	15.37929
2019-01-01-16	10.518	15.67343	11.46047	15.70474	15.49712
2019-01-01-17	10.53092	15.62283	11.48858	15.65732	15.49282
2019-01-01-18	10.56493	15.53024	11.63226	15.69464	15.5504
2019-01-01-19	10.52496	15.57734	11.56795	15.69049	15.36738
2019-01-01-20	10.11017	15.51349	11.66193	15.71318	15.48262
2019-01-01-21	10.58976	15.4735	12.63619	15.76153	15.44312
2019-01-01-22	11.03302	15.47069	12.47385	15.69517	15.44629
2019-01-01-23	11.1943	15.57154	12.81571	15.71254	15.53501



## 氣象繪圖工具資料夾配置

非使用公版之氣象模式者，才需要執行並提供模擬資料給程式!!!



例：2019-01-01\_T2\_sim.csv

	鞍部	淡水	竹子湖	基隆	台北
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2019-01-01-05	11.1351	17.2688	12.45963	15.38043	16.67731
2019-01-01-06	11.09885	17.7366	12.01028	15.49646	16.99036
2019-01-01-07	10.82242	16.53171	11.901	15.32611	16.43271
2019-01-01-08	10.40347	16.2384	11.40607	15.52933	16.44653
2019-01-01-09	10.28348	15.64133	11.42725	15.4657	15.91068
2019-01-01-10	9.970459	15.70032	12.87415	15.57922	15.82455
2019-01-01-11	10.39661	15.66849	11.38663	15.77286	15.55807
2019-01-01-12	10.12918	15.43301	11.40659	15.67288	15.37433
2019-01-01-13	10.39785	15.36704	11.04505	15.39412	15.44137
2019-01-01-14	10.63842	15.38511	11.47351	15.64464	15.25758
2019-01-01-15	10.16887	15.60123	12.6411	15.65743	15.37929
2019-01-01-16	10.518	15.67343	11.46047	15.70474	15.49712
2019-01-01-17	10.53092	15.62283	11.48858	15.65732	15.49282
2019-01-01-18	10.56493	15.53024	11.63226	15.69464	15.5504
2019-01-01-19	10.52496	15.57734	11.56795	15.69049	15.36738
2019-01-01-20	10.11017	15.51349	11.66193	15.71318	15.48262
2019-01-01-21	10.58976	15.4735	12.63619	15.76153	15.44312
2019-01-01-22	11.03302	15.47069	12.47385	15.69517	15.44629
2019-01-01-23	11.1943	15.57154	12.81571	15.71254	15.53501