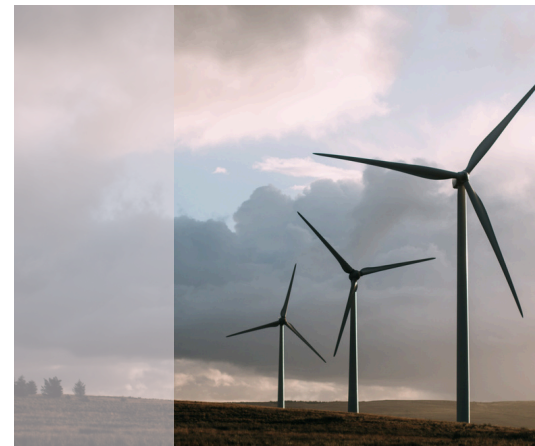


PROJECT

Wind power generation

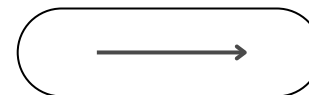
DATE

2025/7/24



PROJECT REPORT

Using ST-GCN technology to supplement the meteorological data of power plants



PRESENTED BY

鄭至亞

本週工作進度

Task	Status	Notes
DSM	✔ Completed ▾	
期中報告	✔ Completed ▾	
找相關論文	🕒 Not started ▾	
	🕒 Not started ▾	
	🕒 Not started ▾	

Framework (文獻)

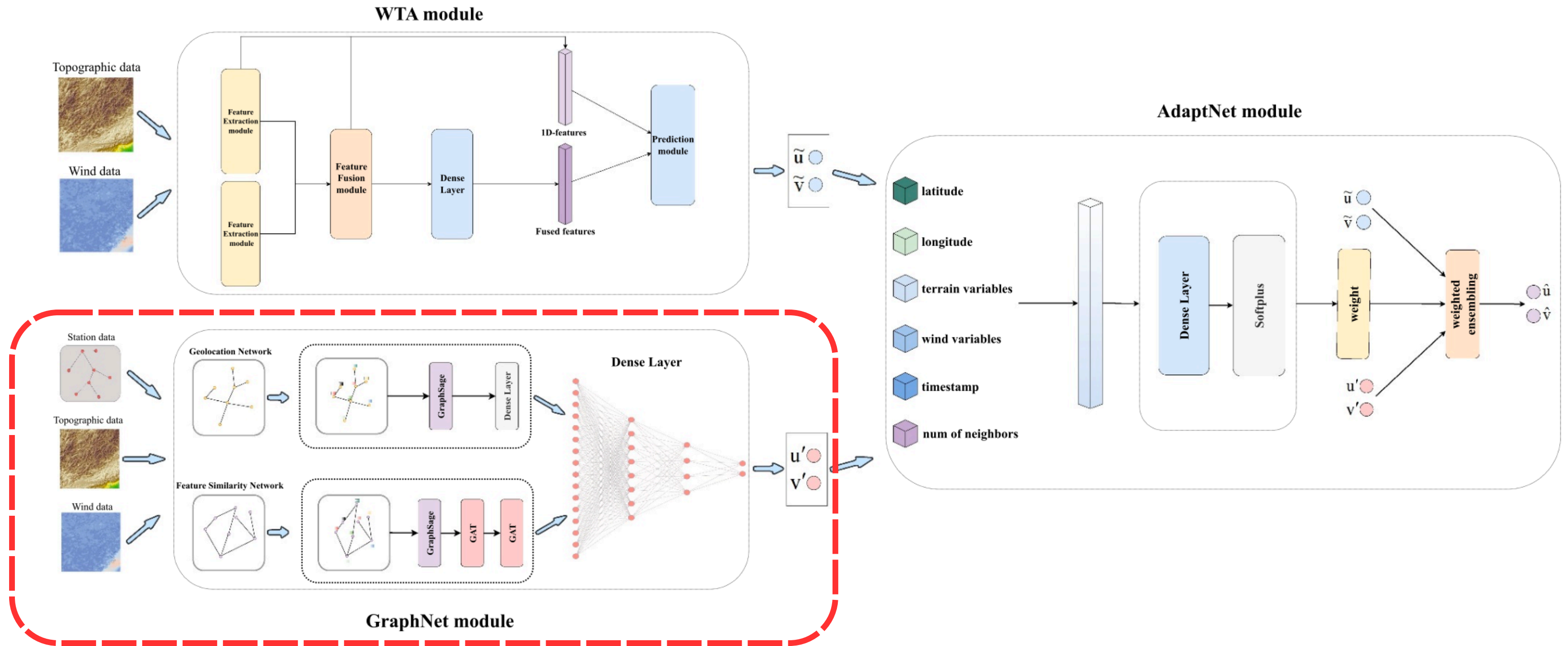
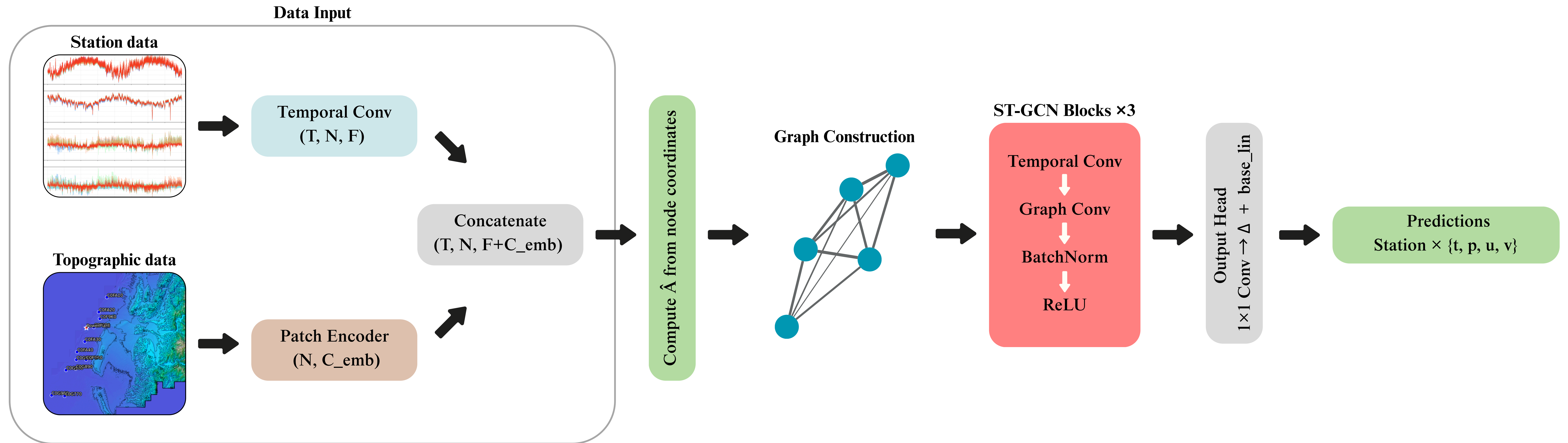
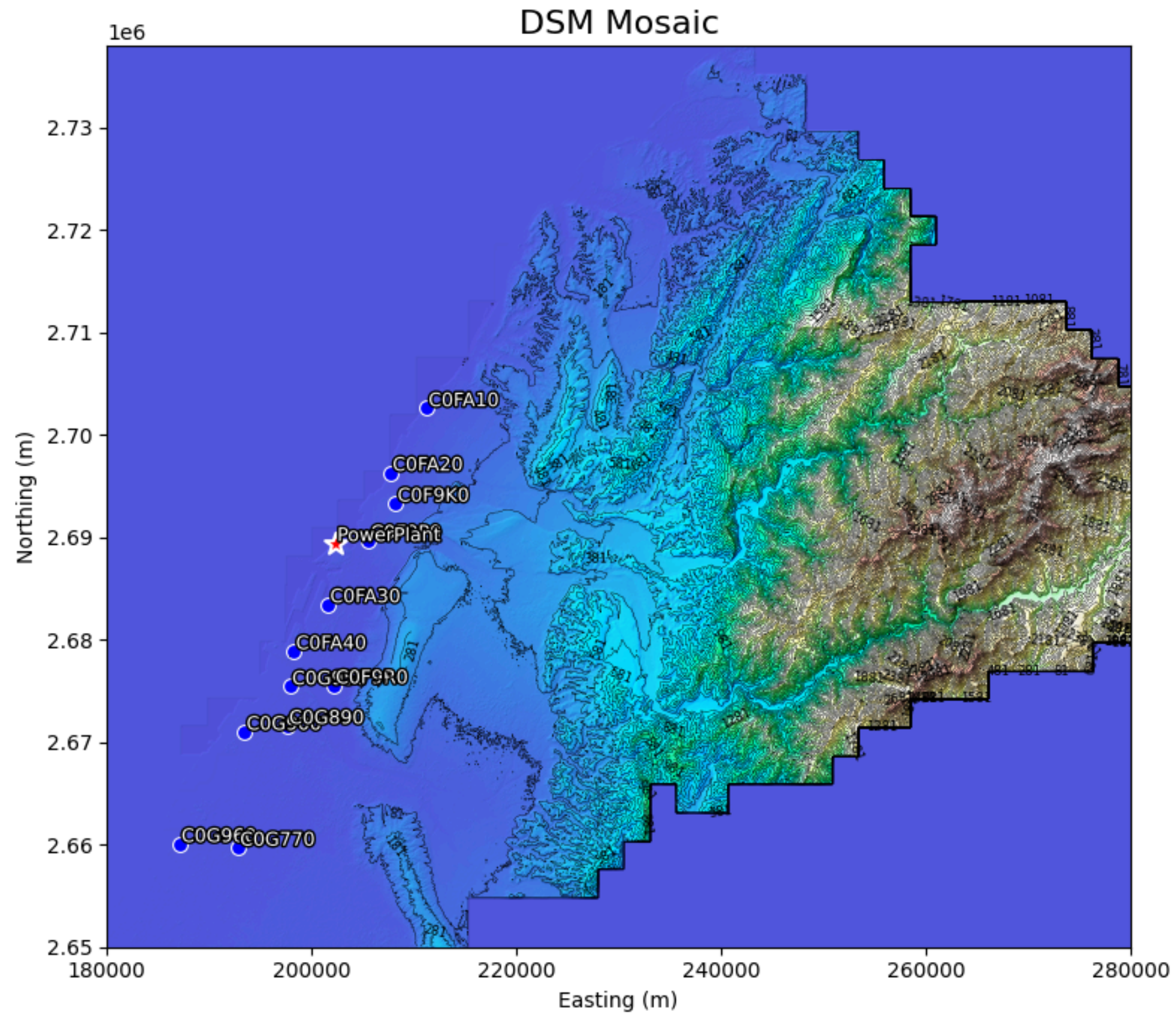


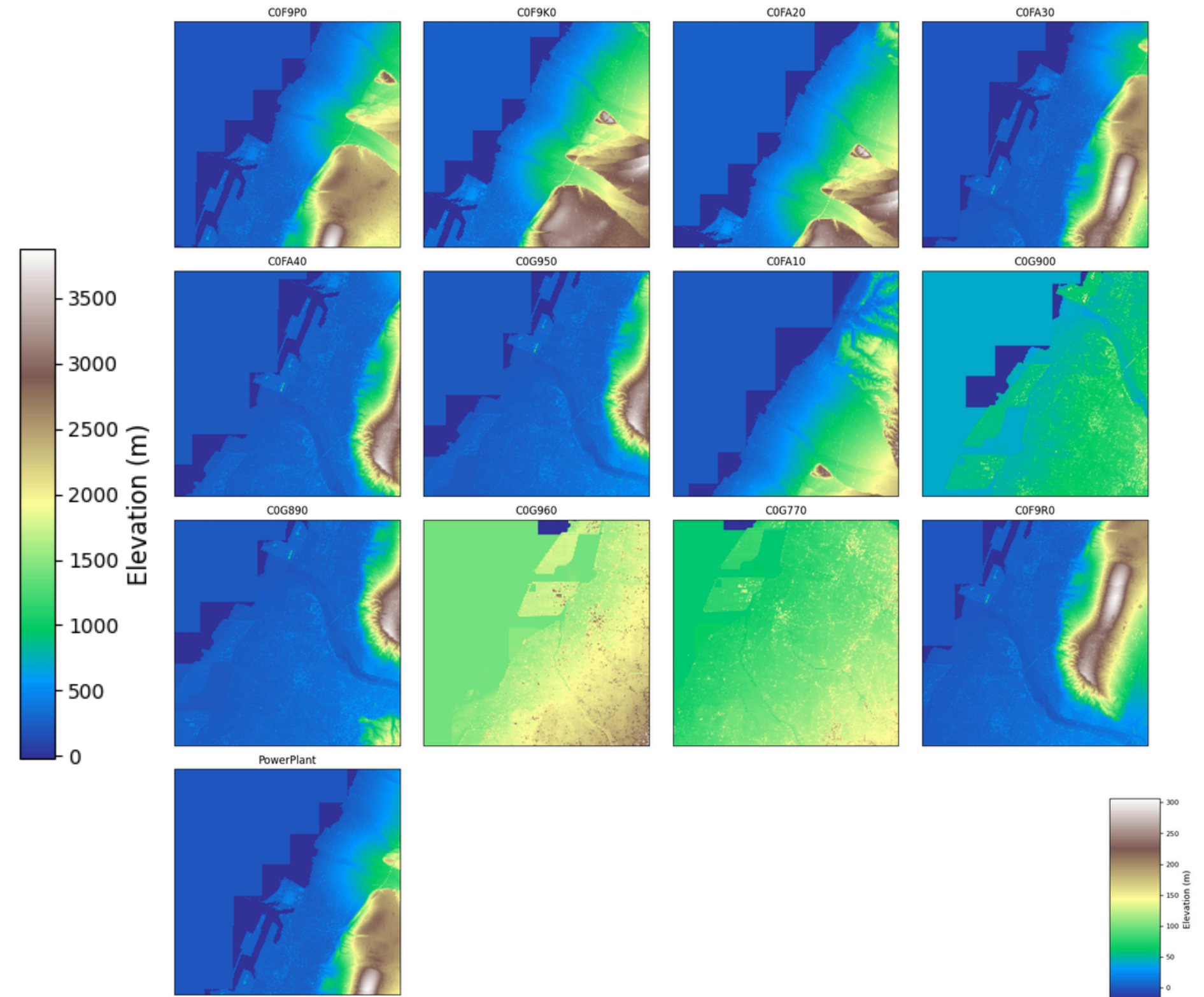
Figure 1. The TerraWind model architecture.



Try



(a) 100m-resolution DSM mosaic subset



(b) ± 10 km elevation patches centered on each station





遇到的問題

1. 訓練不穩定

想要討論的內容

1. 模型優化方向
2. 如何反推估風場高度

下週&之後預計的工作進度與預期成果

Task	Status	Notes
VMD	 In progress ▾	
用ERA5優化模型	 In progress ▾	當作大尺度風場依據
反推風場100m	 Not started ▾	
評估發電容量並比較真值	 Not started ▾	