The UK Met Office

Met Office

Science — Observations — Operations — Technology & IT — Business

Science: Climate — Weather — Core, etc

Operations: Forecasting — Hazard Centre

Business: PWS Consultants

Weather: Dispersion — Satellite — OBR — etc

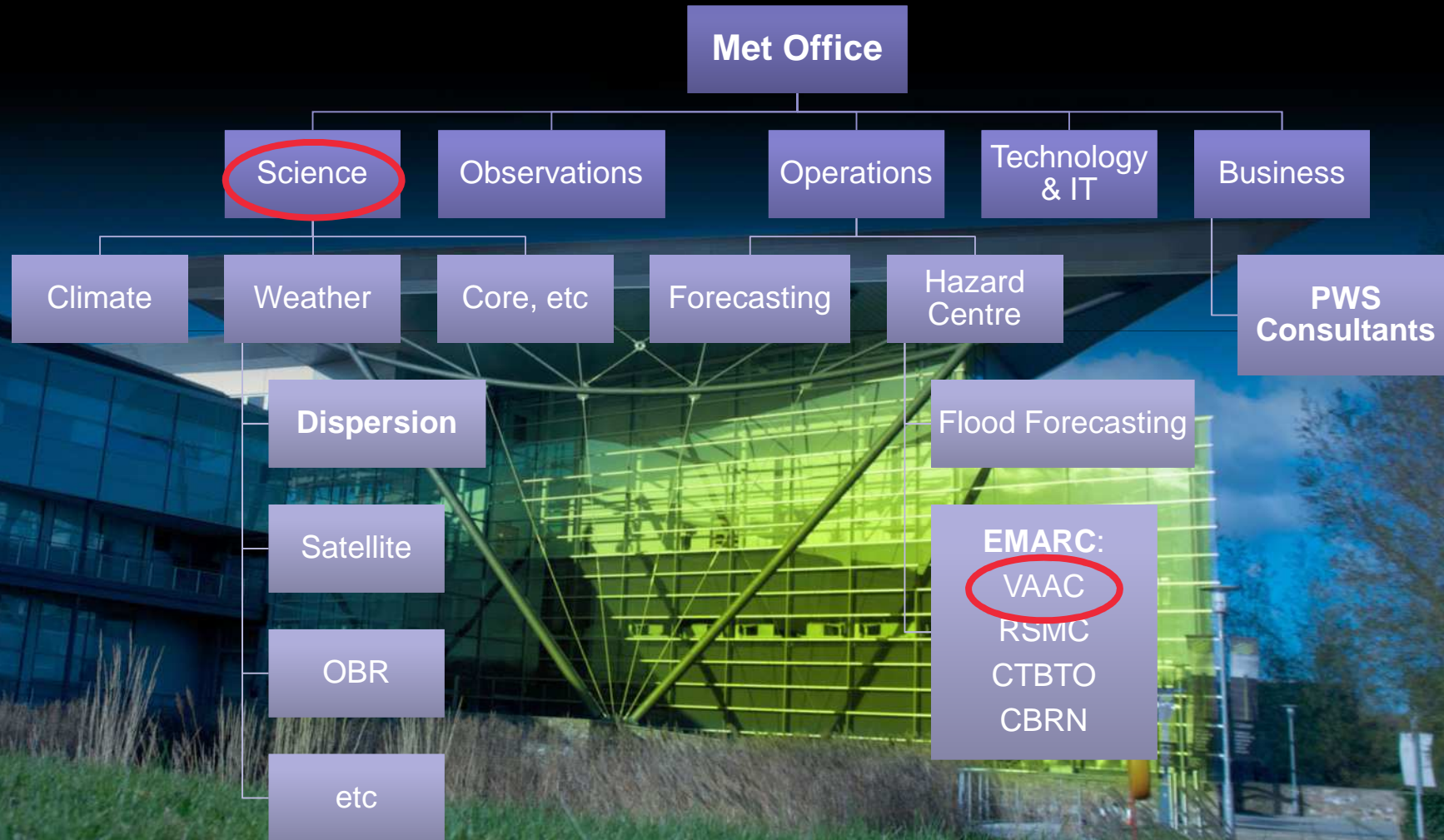Hazard Centre: Flood Forecasting — EMARC: VAAC, RSMC, CTBTO, CBRN

Interests in FUTUREVOLC

London VAAC	R&D
Improved flow of information between all stakeholders (WP2/3)	Investigation of use of new types of observation to inform models (WP7/8)
Improved knowledge of Iceland eruption characteristics (WP4)	Combination of buoyant plume models with dispersion models (WP7/8)
Improved precursory information (WP6)	Impacts of resolution on model outputs (WP8)
Improved data on source terms for modelling (WP7/8)	
Improved data on erupted plumes for forecast products (WP7/8)	

Main UK Met Office activities

- WP3: Comms & supporting risk management
  - Involvement more as the VAAC end-user

- WP8: Distribution of eruptive products
  - Our primary R&D involvement
  - Range of Met Office staff involved
  - Build on existing links, but also finding out about "new" techniques used in WP7/8

- WP9: Demonstration
  - Claire is WP leader
  - Utilise VAAC experience of running exercises
  - Ensure exercises have an "operational" focus