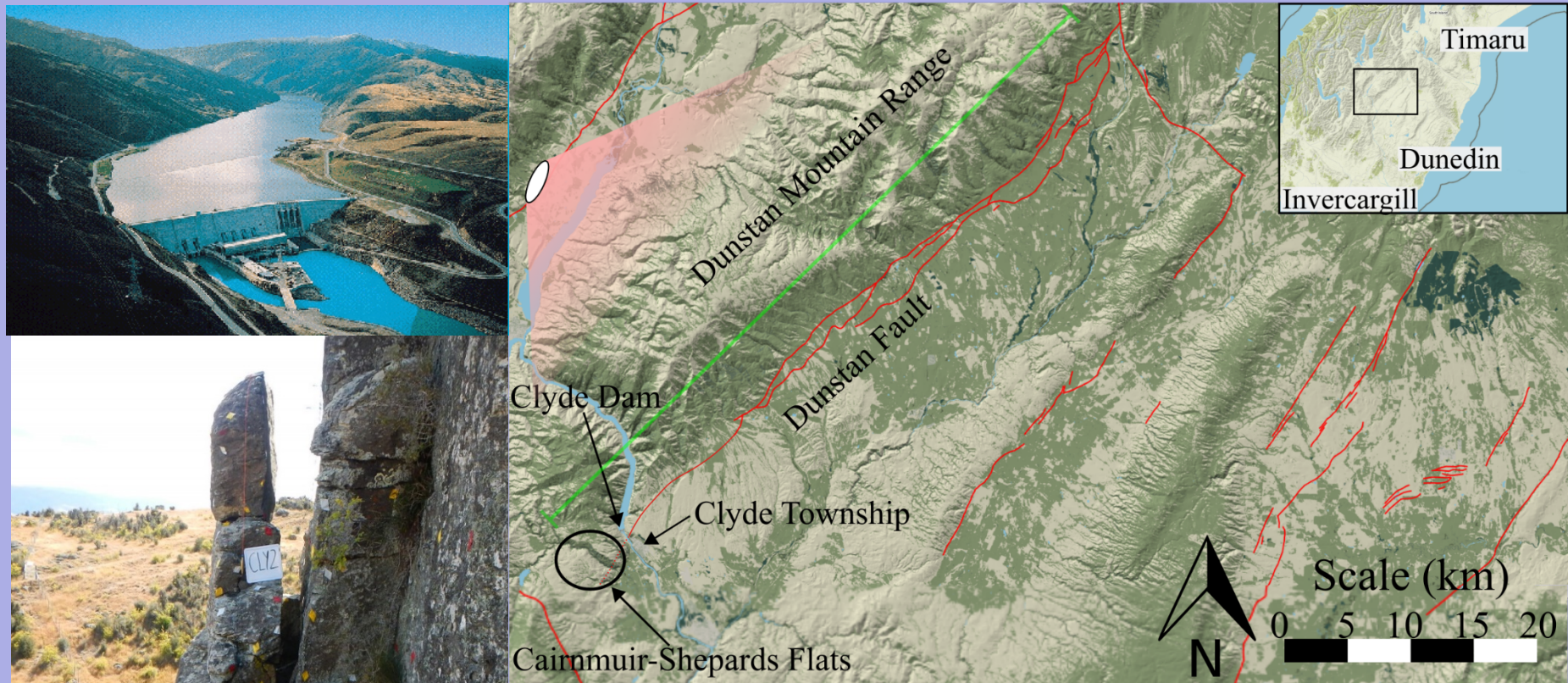


Clyde Dam: Ground motion simulations and validation with fragile geologic features

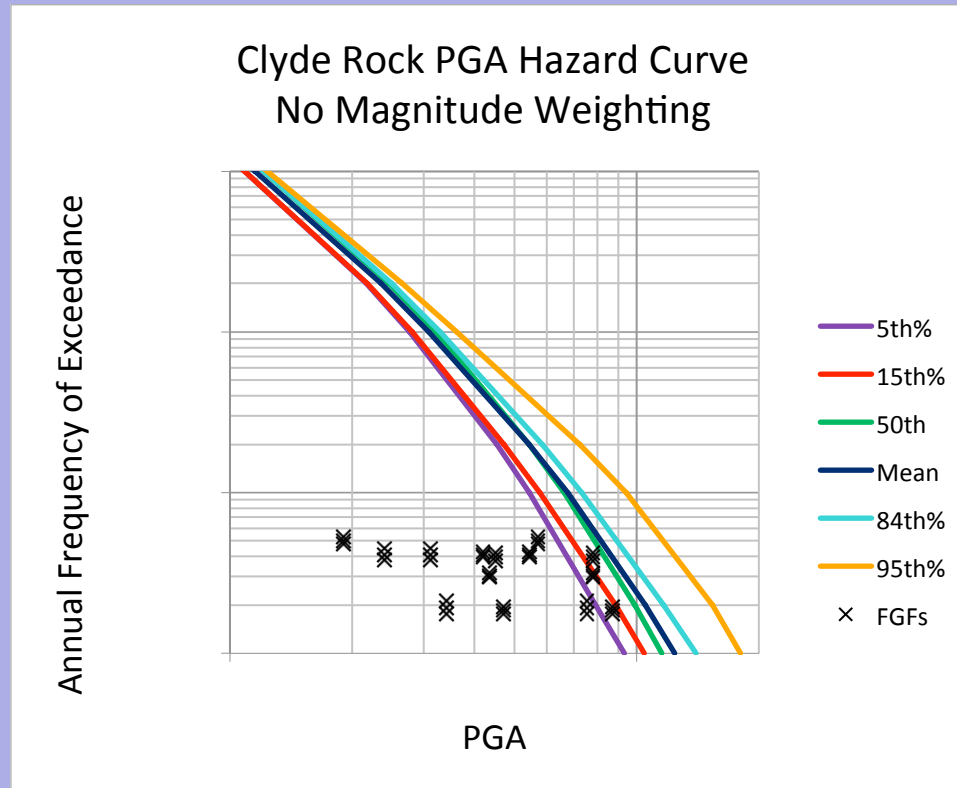
Elliot Bowie, Mark Stirling and Chris Van Houtte

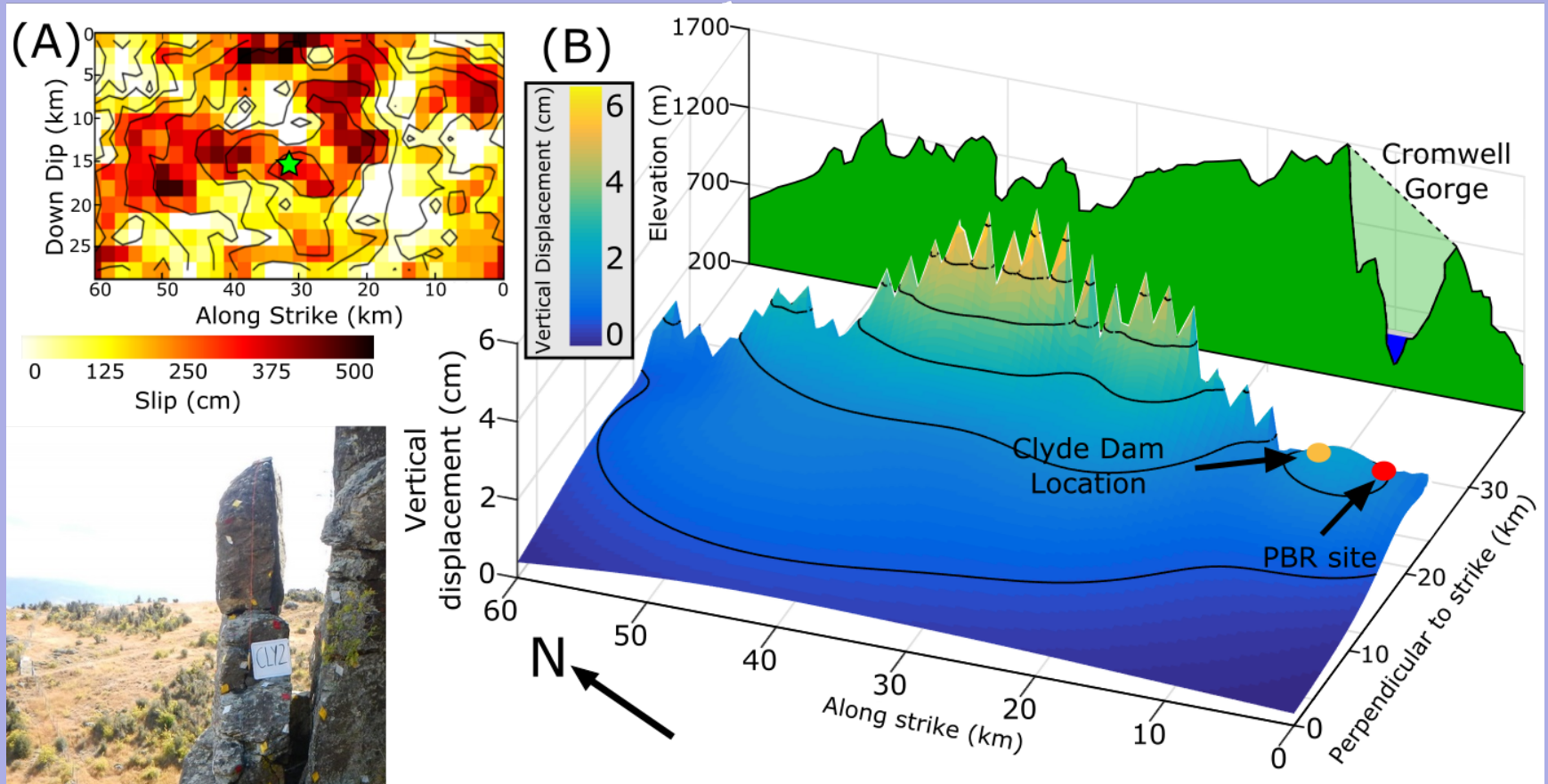


- Slip distributions constrained by peneplain deformation profile along Dunstan Mountains

Clyde Dam, New Zealand

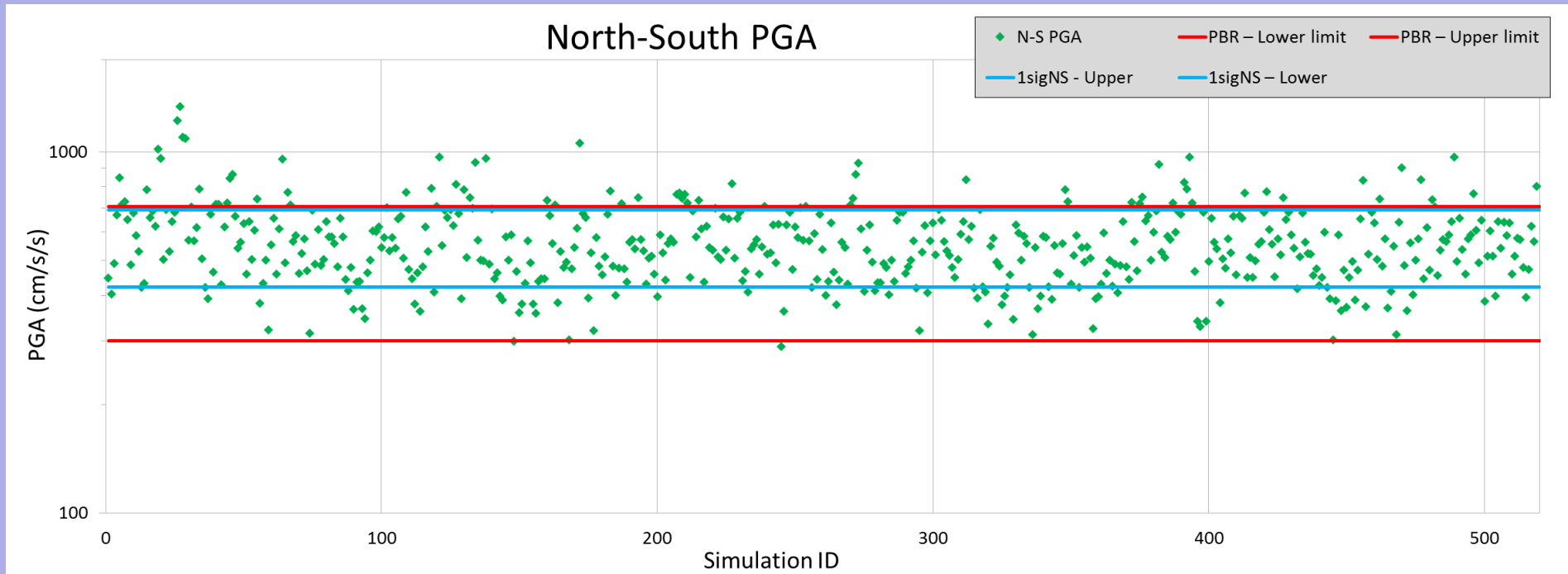
- Validation of hazard estimates for the site based on fragility & age of PBRs
- Simple PGA points-in-hazardspace approach





- Slip distributions constrained by peneplain deformation profile along Dunstan Mountains

Validation of ground motion simulations with PBRs



- 10-20% of simulations exceed PBR fragility range
- Directivity and HW effect are the parameters that control the highest accelerations