

# Monitoring and Modelling Geomagnetic Storms in Ireland



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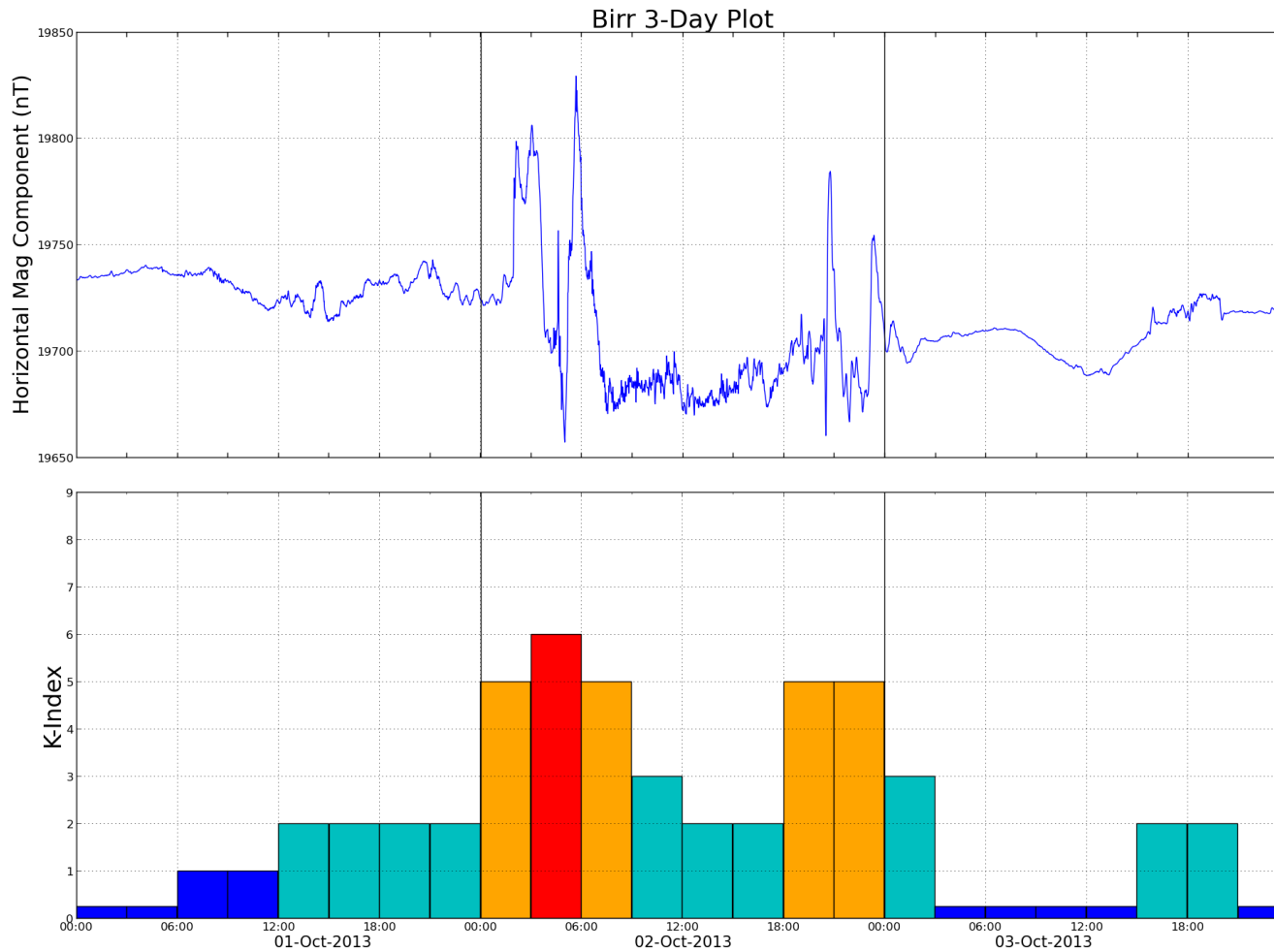
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*British Geological Survey*

Sarah Walsh  
*Eirgrid*



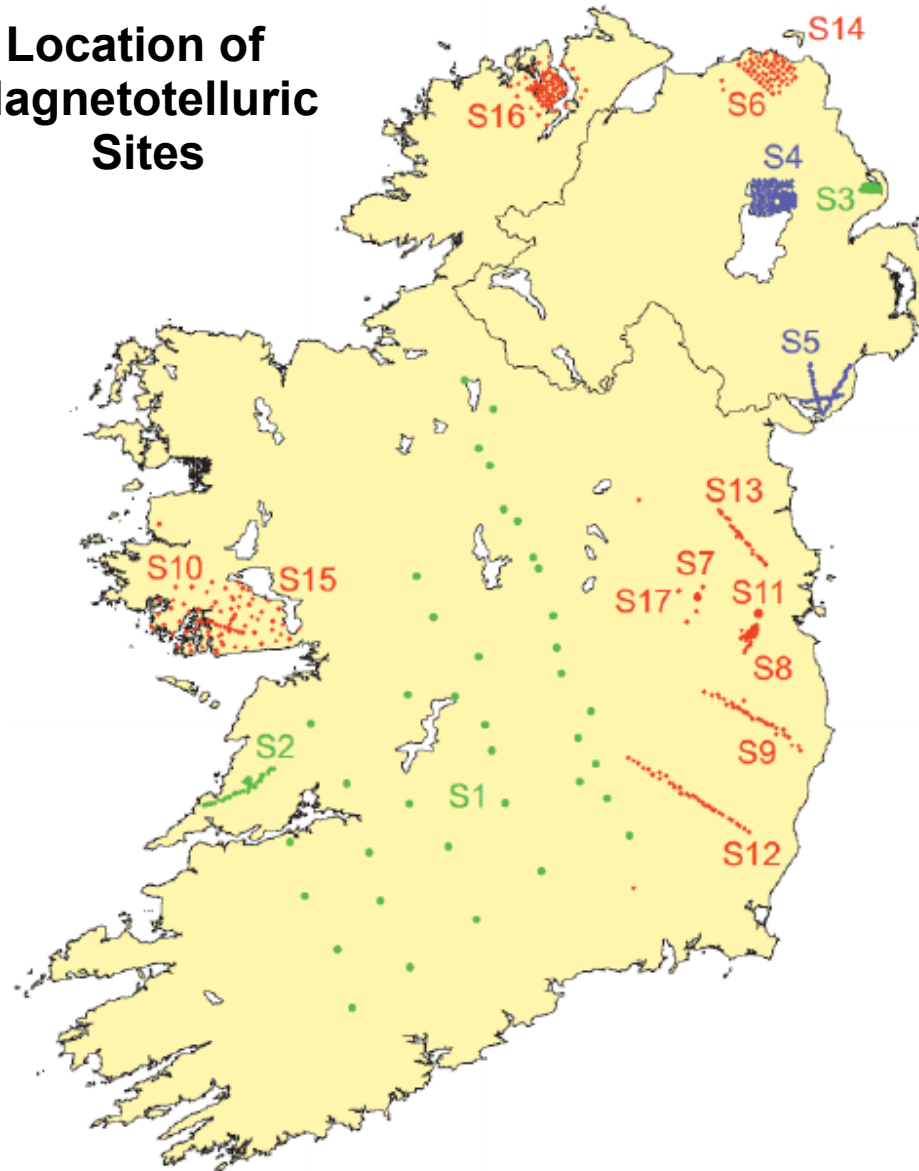
**British  
Geological Survey**  
NATURAL ENVIRONMENT RESEARCH COUNCIL

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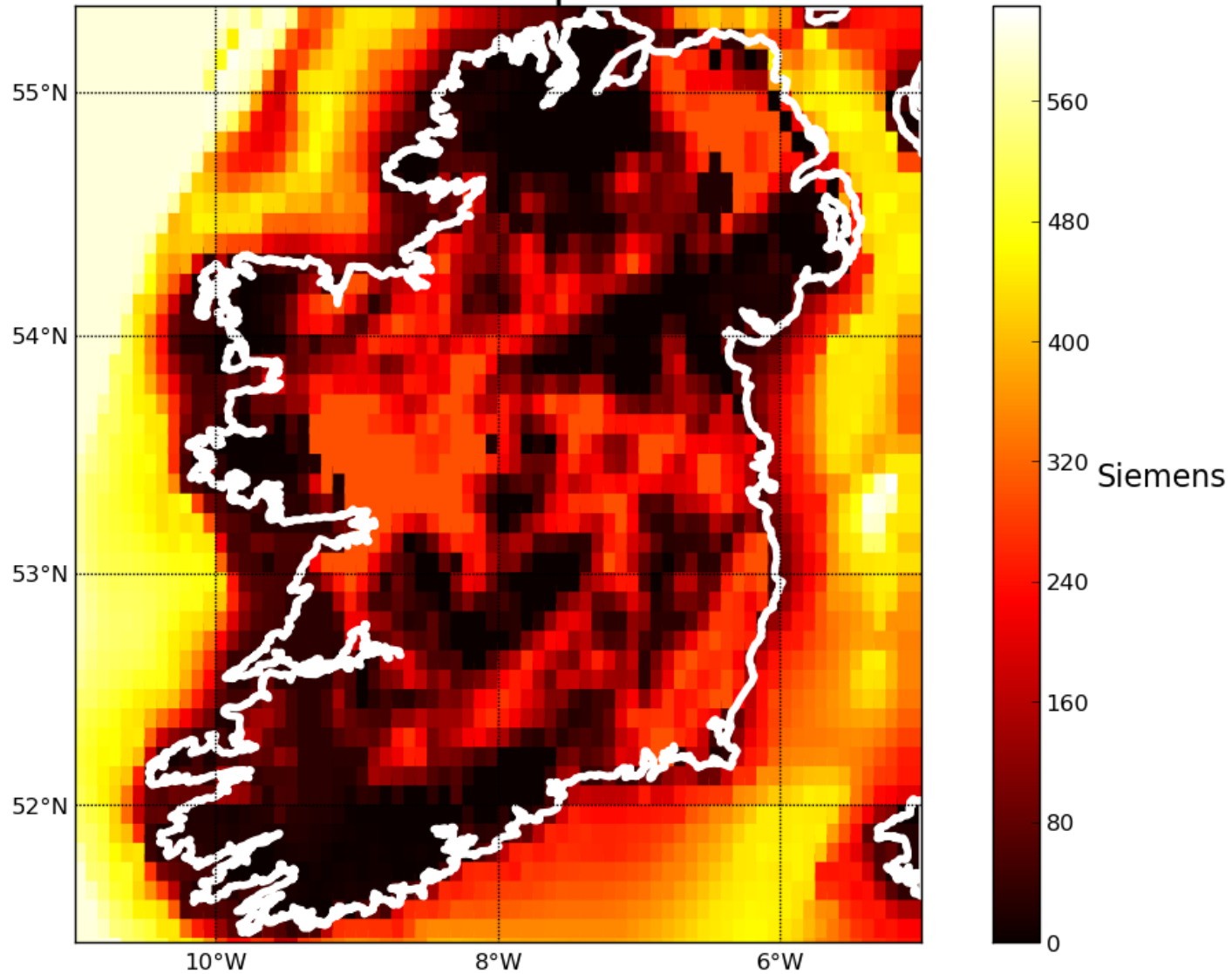
# Simulating GICs

Location of  
Magnetotelluric  
Sites

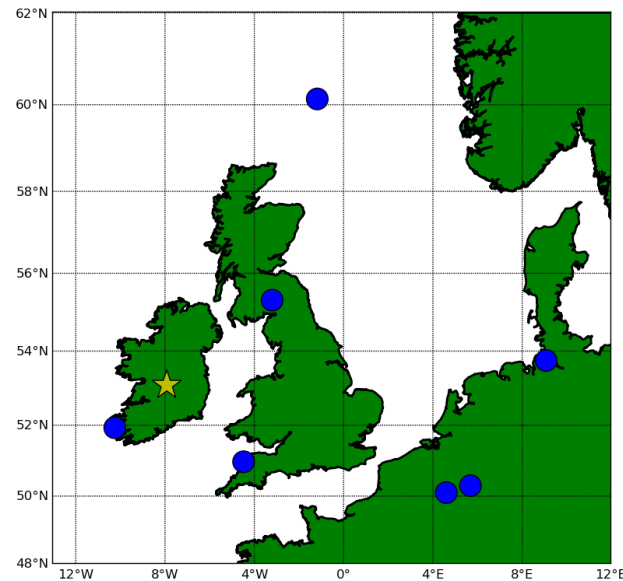
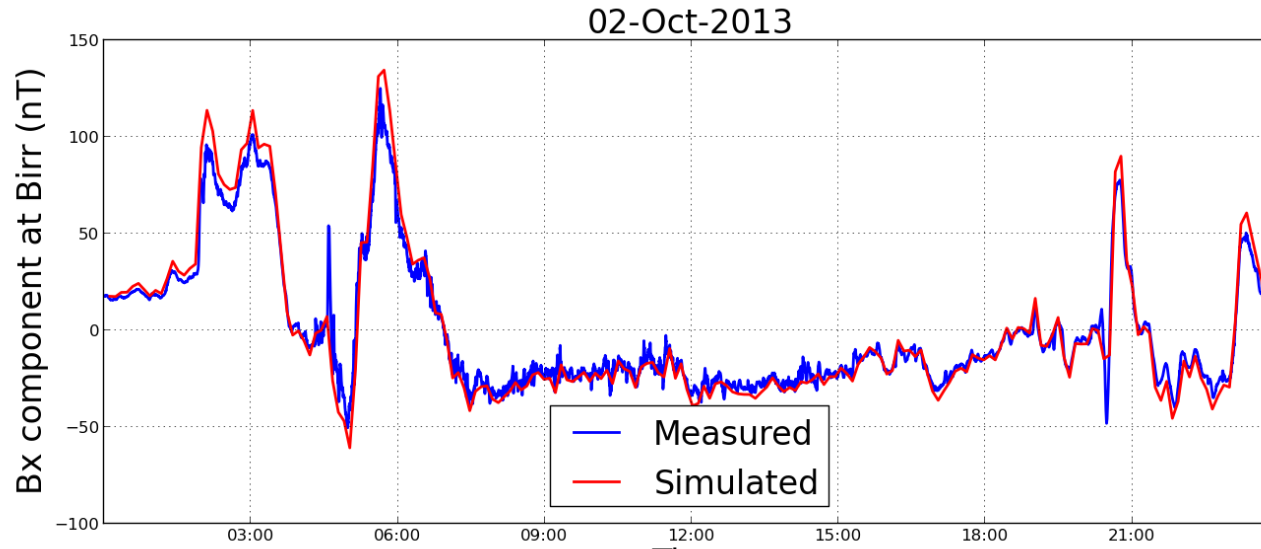


# Simulating GICs

Conductance Map for Ireland



# Simulating GICs

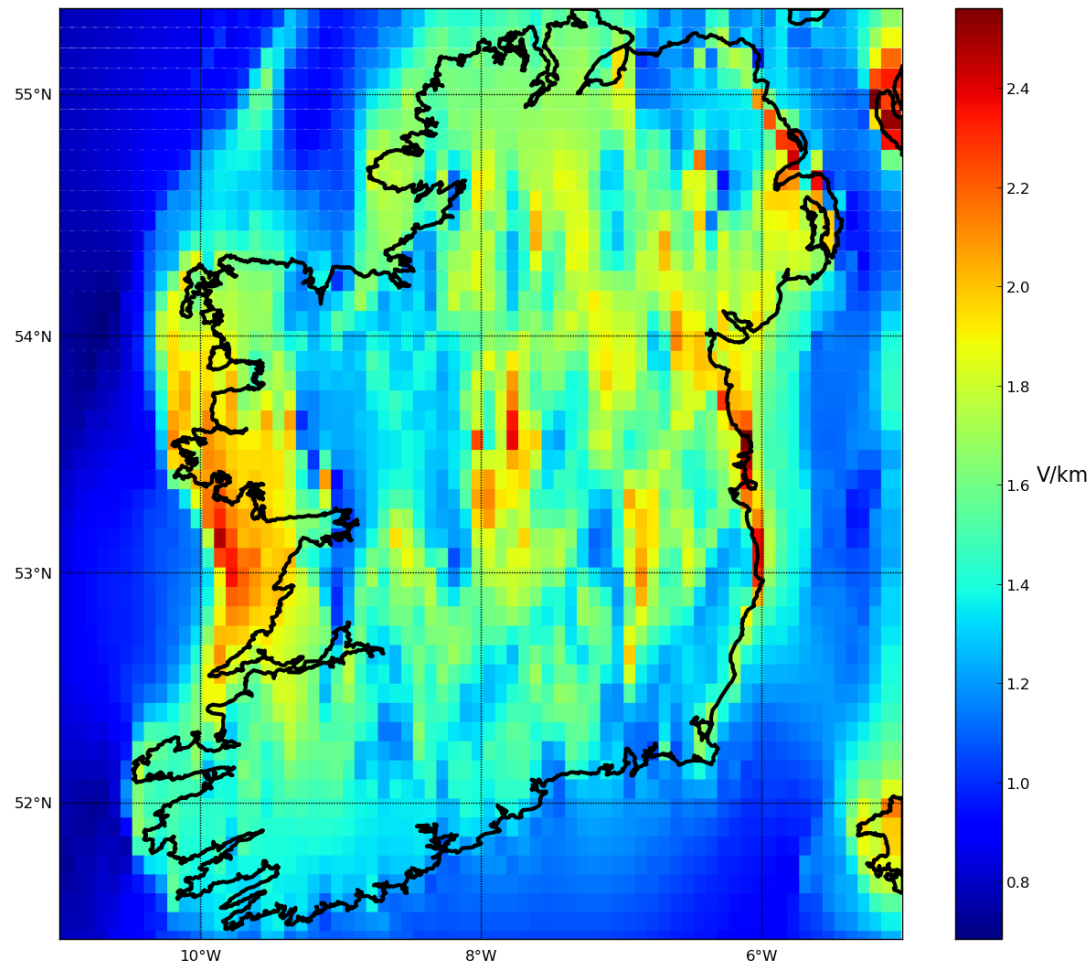


**Spherical Elementary Current Systems**

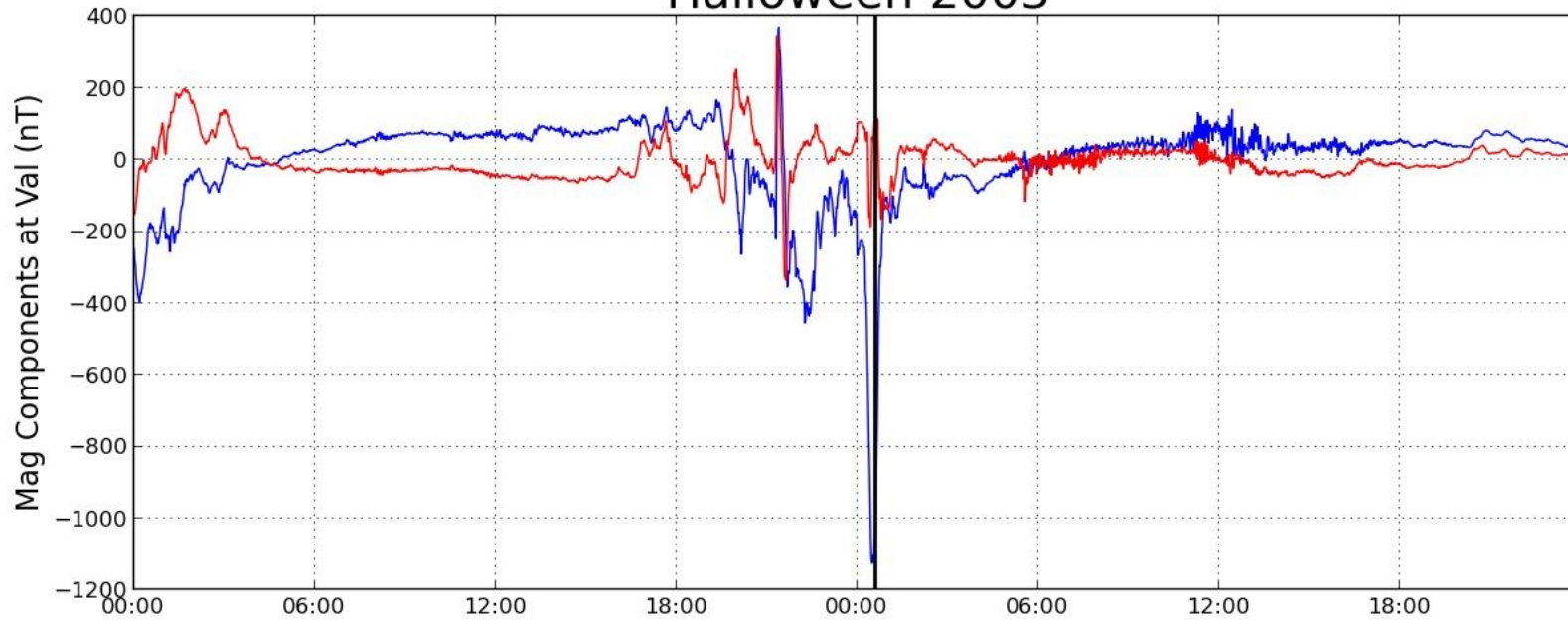
*McLay, S. a., & Beggan, C. D. (2010)*

# Simulating GICs

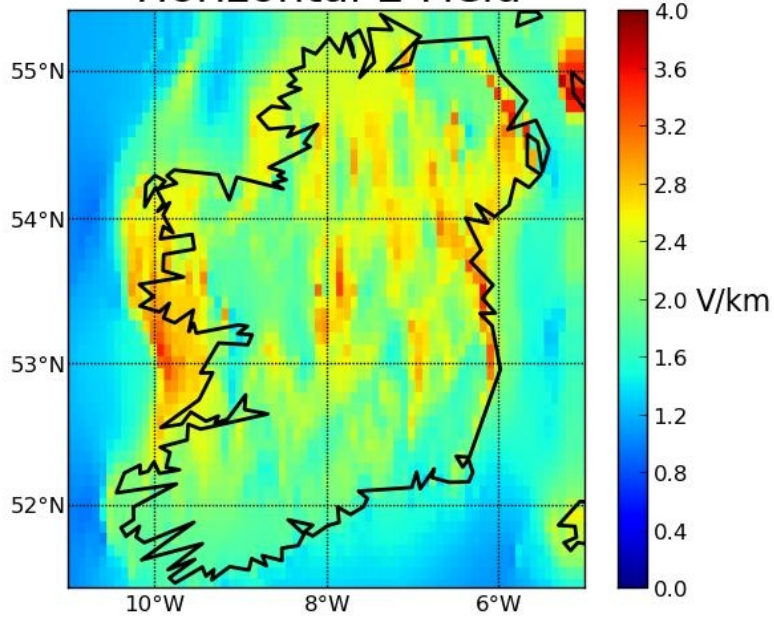
Calculated E-Field for March 1989 Storm



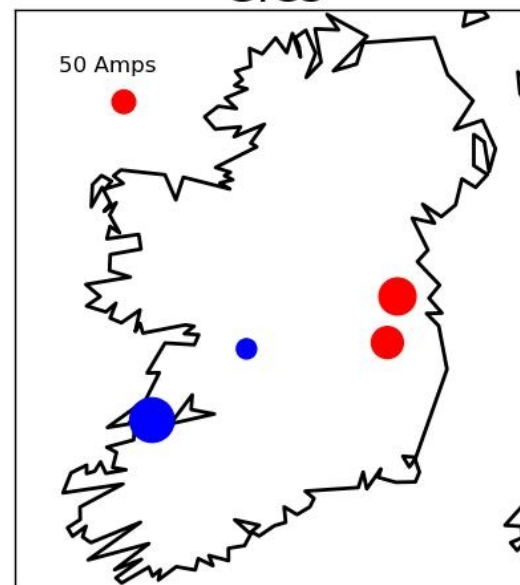
# Halloween 2003



## Horizontal E-Field



## GICs



# Poster 10.14