What are NRENs for?

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What do I do?

- Network systems
- Do experiments
- Build stuff
- Break stuff



What is my interest (bias) ?

Networked Systems Research NREN



St. Andrews, Computer Science

Networked Systems Research [1]

- Grid/e-Science/e-*: may require development of new networked & distributed systems
- Cannot always use modelling or simulation
- Simulation cannot capture all **behaviour**
- Real systems are **complex**
- Some behaviour may be **emergent**
- So ... we need to **do real experiments**



Networked Systems Research [2]

- Need to make controlled changes to systems & run 'non-standard stuff'
- Need to monitor and measure
- Need to be able to make **mistakes** (!)
- Experiments are likley to be **disruptive**
- But ... no large experimental testbeds are available for such experiments



What are NRENs for?

- Q: What are NRENs for?
- A: Providing a platform for and supporting **disruptive systems research**.

