



Making Earthquake Forecasting Operational in California

Lucy Jones

Science Advisor for Risk Reduction

Natural Hazards: Earthquake • Volcanic Eruption • Landslide • Flood • Geomagnetic Storm • Wildfire • Tsunami • Coastal Erosion

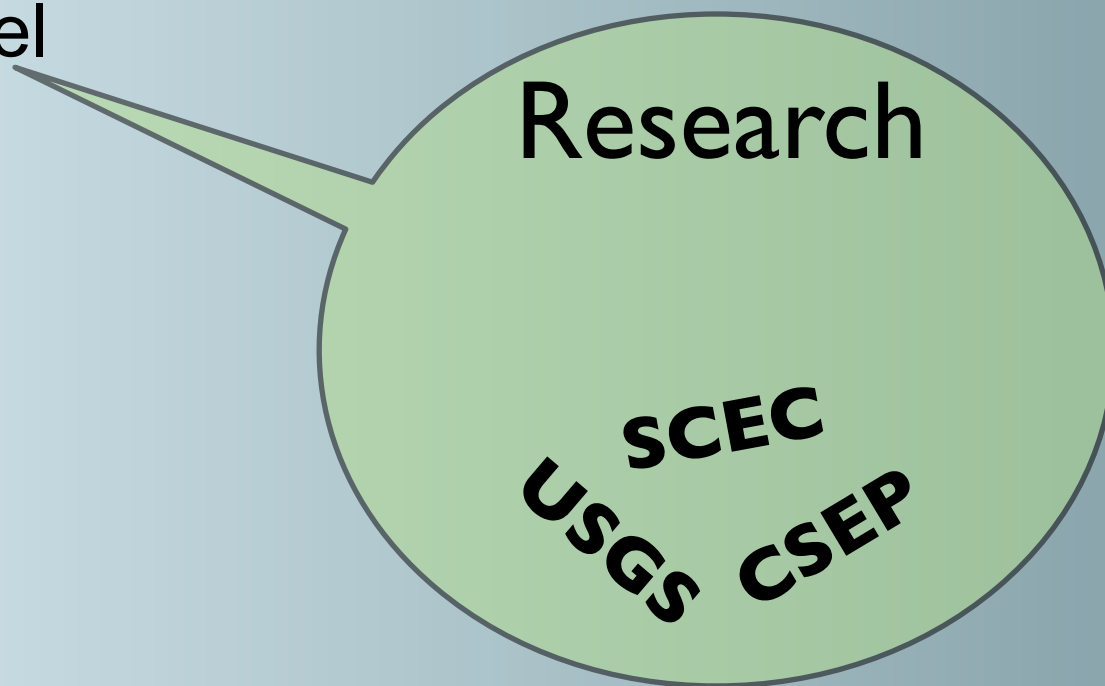


What is needed?

- A scientific model

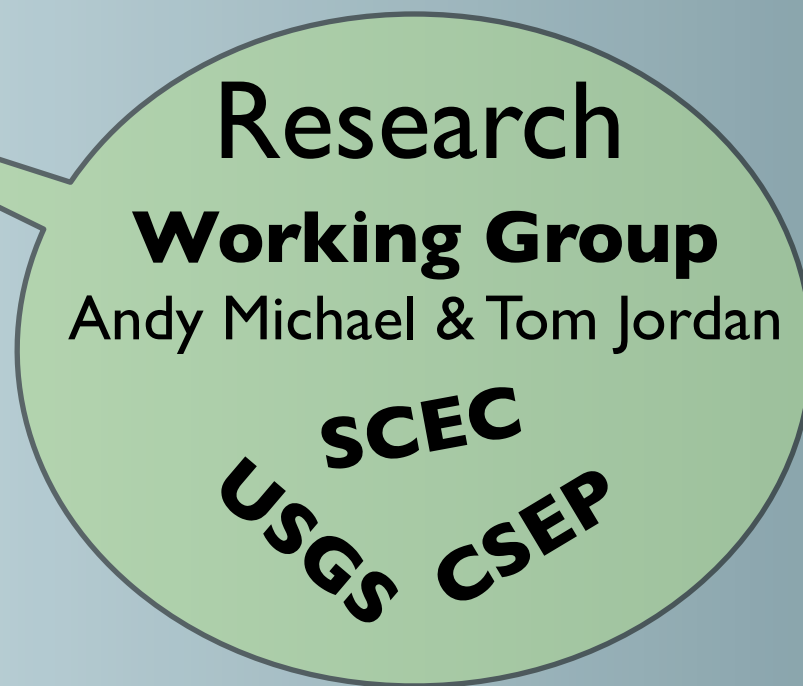
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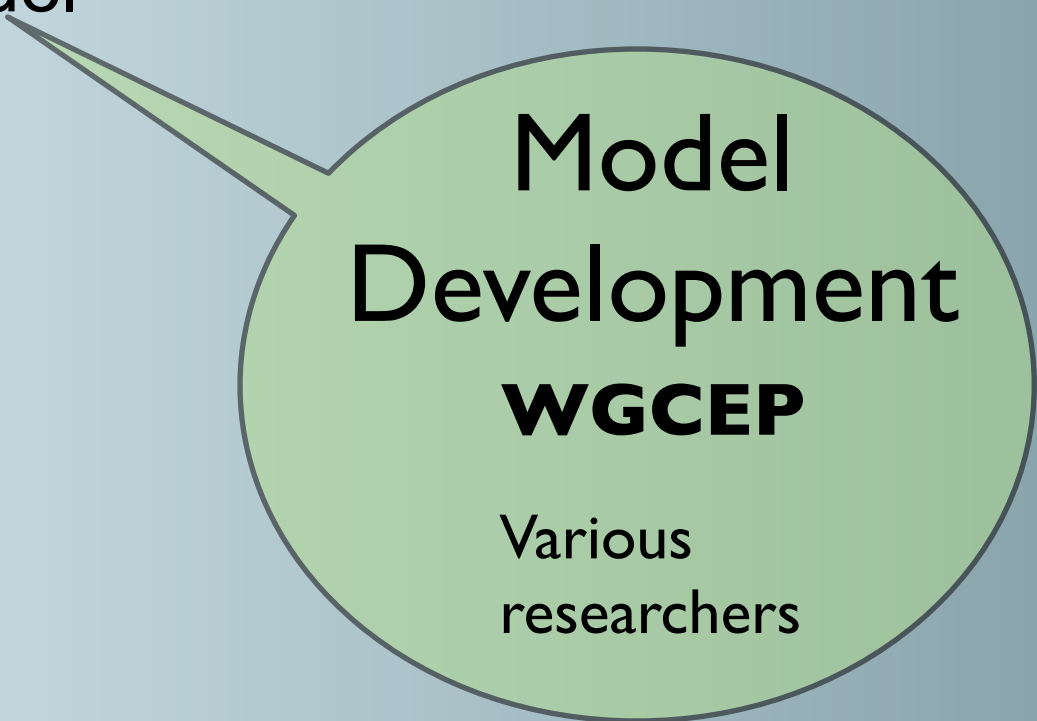


What is needed?

- A scientific model - **Research**
- An automated model

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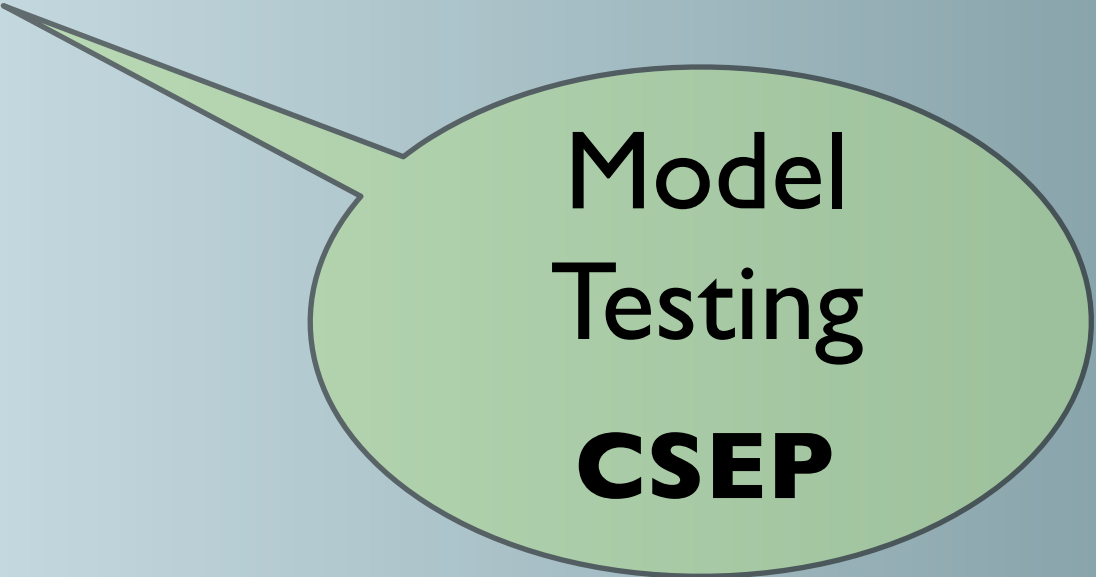
Model
Development
WGCEP
Various
researchers

What is needed?

- A scientific model - **Research**
- An automated model - **Model Development**
- A tested model

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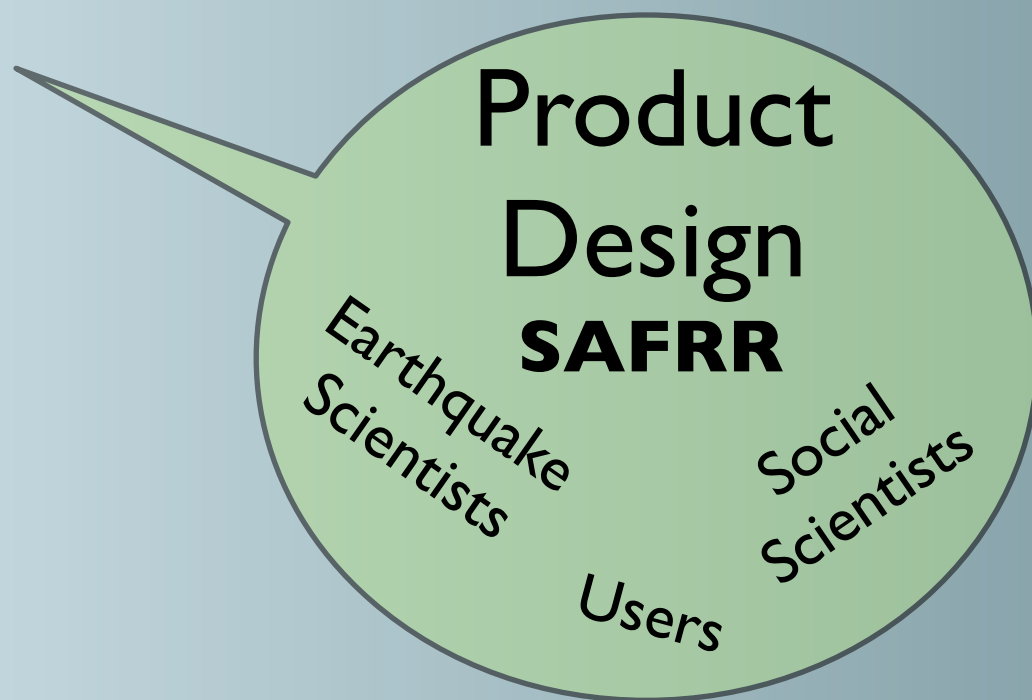
Model
Testing
CSEP

What is needed?

- A scientific model - **Research**
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- A tested model - **Testing**
- Useable products

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- An automated model - **Model Development**
- A tested model - **Testing**
- Useable products - **Product Design**
- A real, realtime product

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- Useable products - **Product Design**
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Operations
ANSS/CISN

Seismic
networks

What is needed?

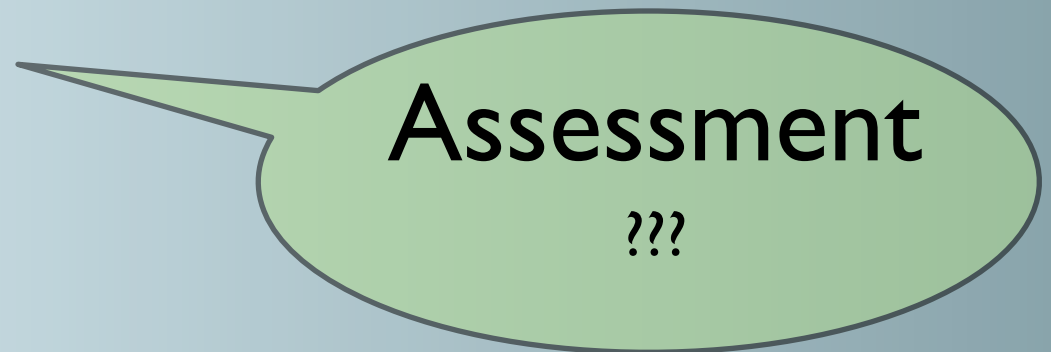
- A scientific model - **Research**
- An automated model - **Model Development**
- A tested model - **Testing**
- Useable products - **Product Design**
- A real, realtime product - **Operations**

- Assessment

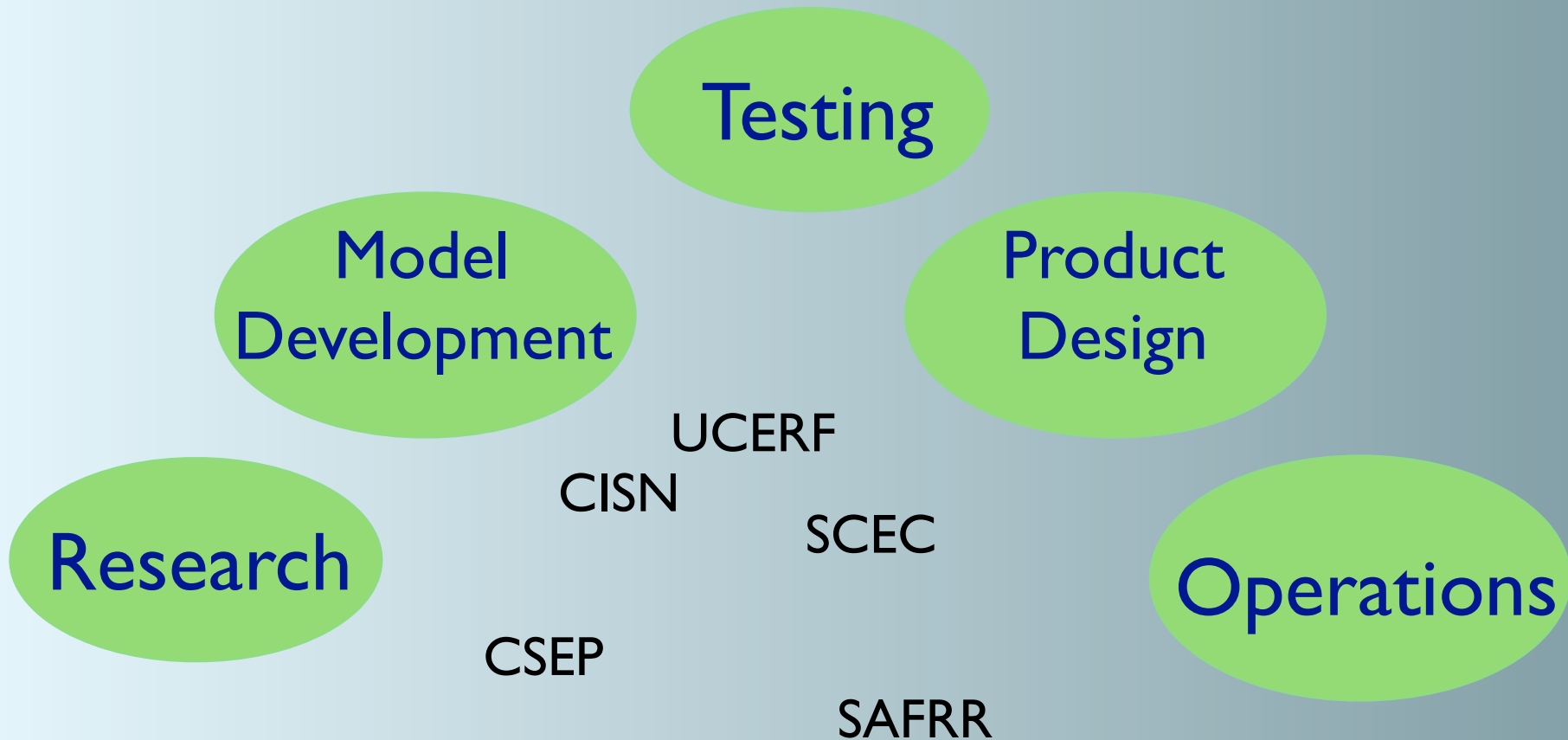
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- An automated model - **Model Development**
- A tested model - **Testing**
- Useable products - **Product Design**
- A real, realtime product - **Operations**

- Assessment



Operational Earthquake Forecasting



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