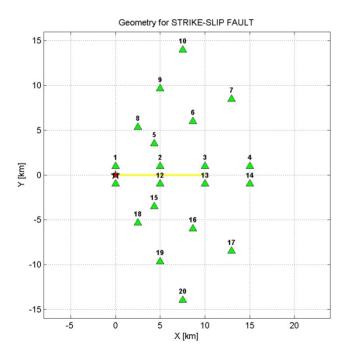


# Proposal for a Simple SIV Testing Center

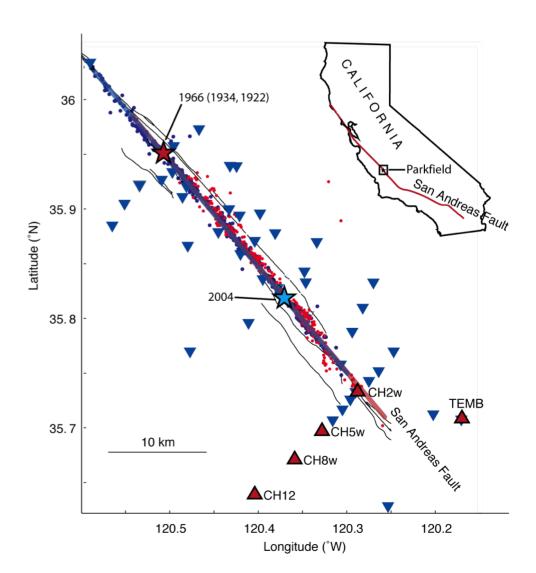
Danijel Schorlemmer

## Fault & Station Geometry

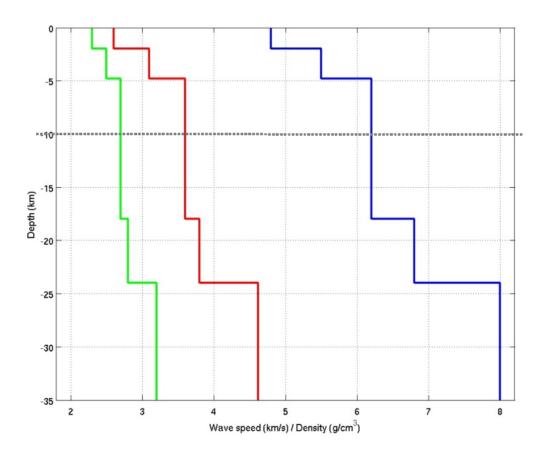
#### Ideal case



#### Parkfield case



# Velocity model

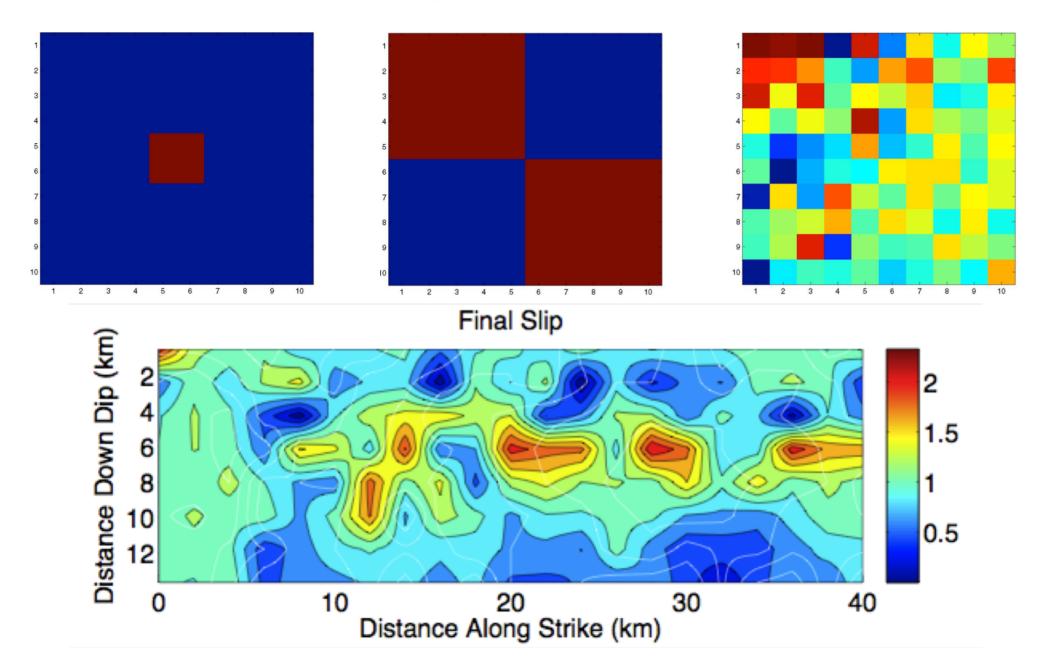


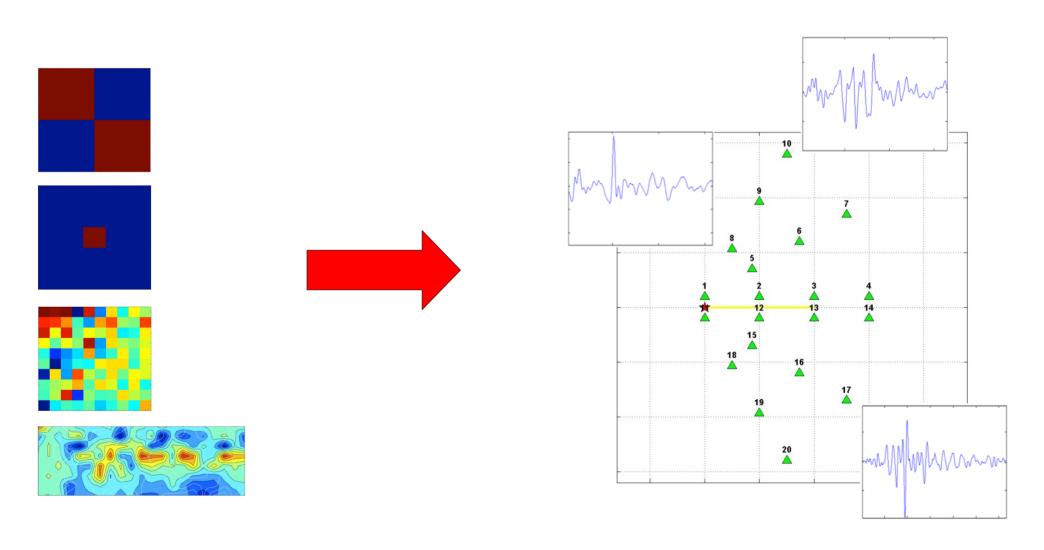
# SC/EC

### **Evaluation Metrics**

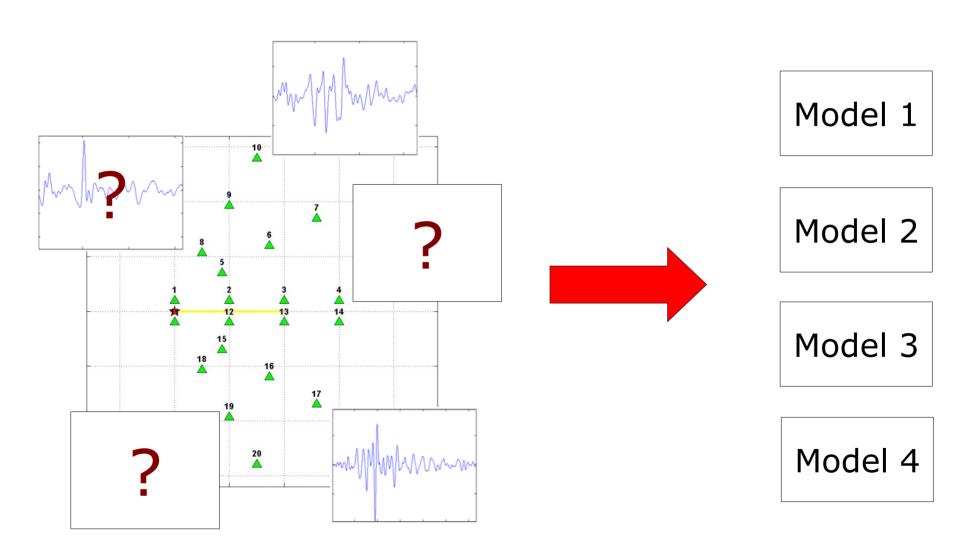
- Source model
  - Cross-correlation (SPICE Test, slip only)
  - Modified cross-correlation (slip at each time step)
  - ...
- Waveforms
  - Norm misfit (frequency and time domain)
  - Cross-correlation
  - ...

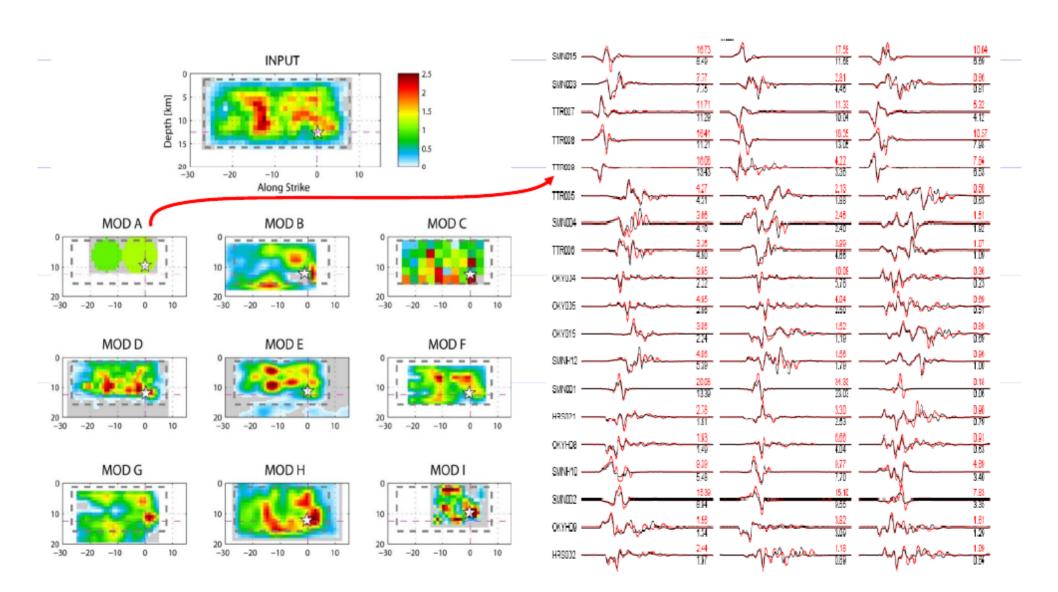
### Sources





#### S O U T H E R N C A L I F O R N I A E A R T H Q U A K E C E N T E R



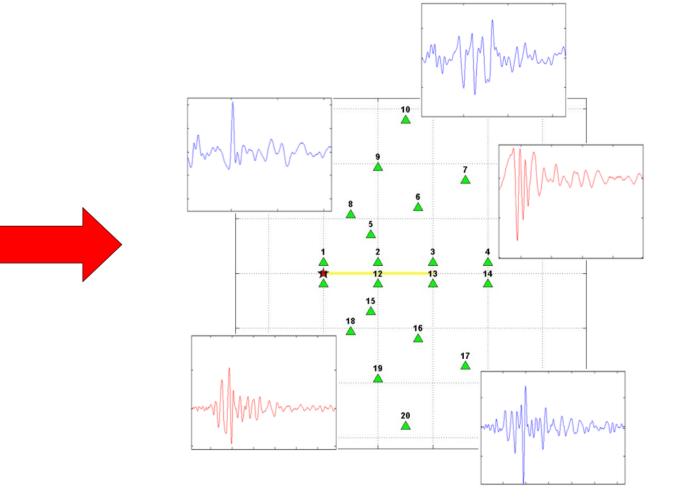


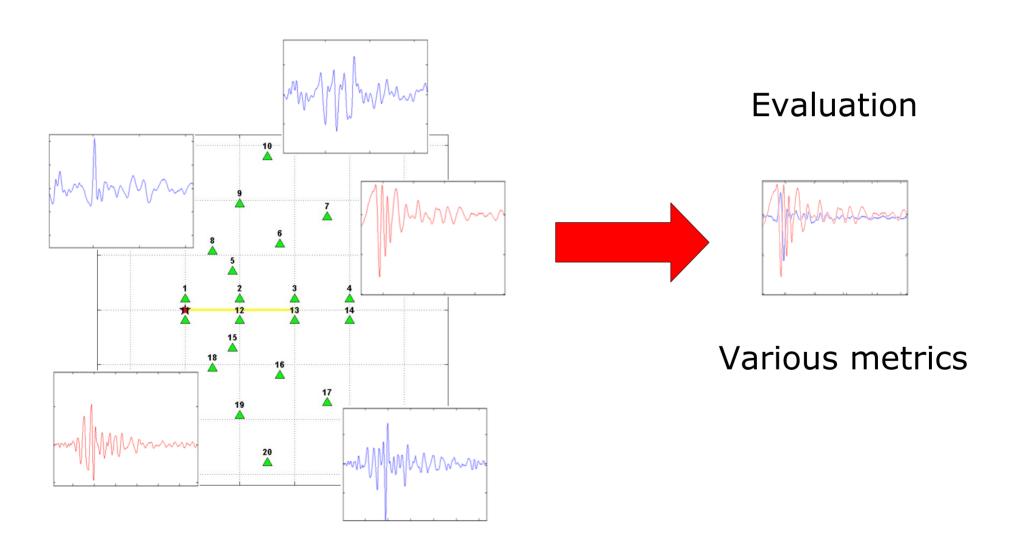
Model 1

Model 2

Model 3

Model 4







## Summary

- Generate set of source descriptions (unknown to models & modelers)
- Compute waveforms from source
- Models invert source from waveforms and compute synthetics
- Evaluate source and synthetics

## Summary

- Standard file formats (input & output)
- Standardized calling syntax for models
- Scripts to glue parts to experiments