Thinking about Provenance

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PRAGMA 13

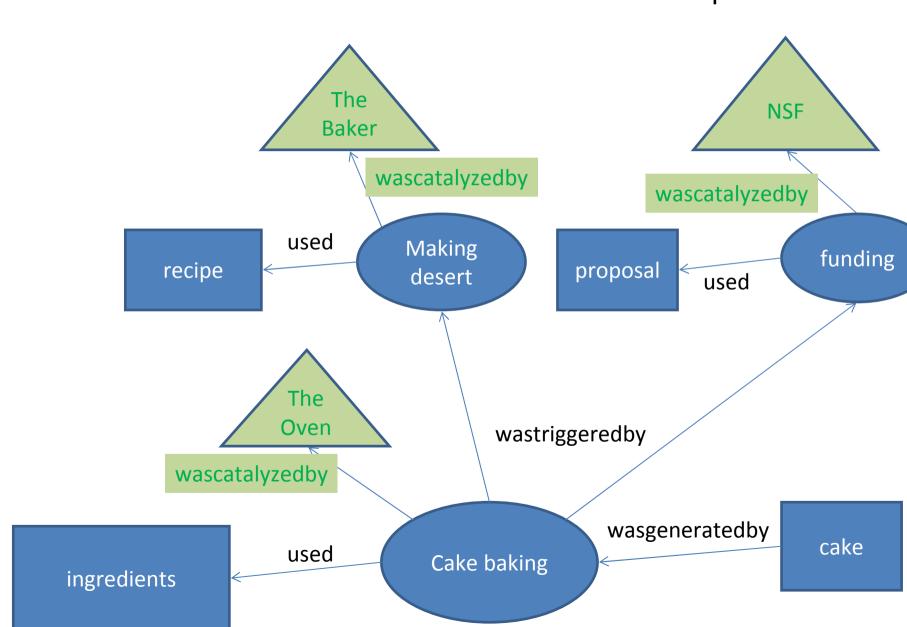
What It Is

- A description of what occurred, what caused what.
- A potentially fragmented, incomplete, and conflicting picture assembled from accounts from multiple witnesses
- A part of metadata

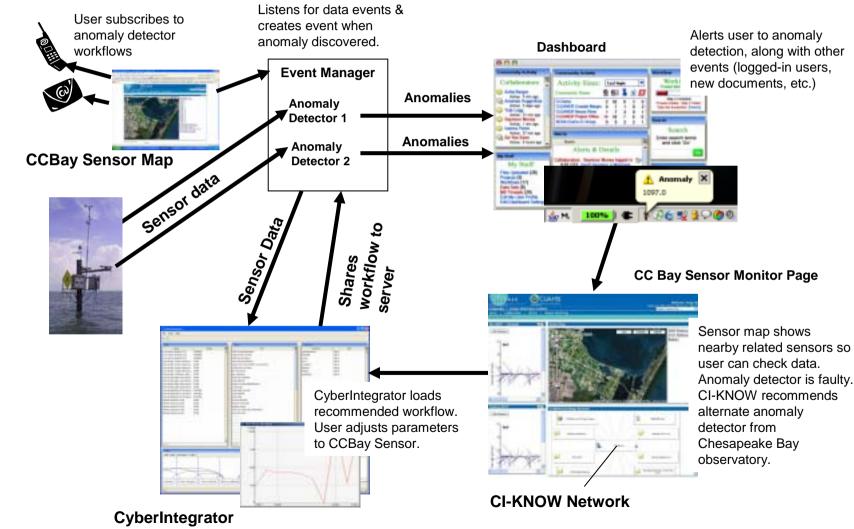
What It Isn't

- A description of abstract processes
- A description at one level of detail
- A description of one kind of process (computational, intentional, scientific, engineering/mathematical, economic, managerial, etc.)

International Provenance and Annotation Workshop series



Provenance flows across – data streaming, portals, workflows, and the scientific literature: e.g. the ECID Sensor Anomaly Detection Scenario



NCSA's Provenance Efforts

- Tupelo Semantic Middleware for Provenance and Metadata
- Cybercollaboratory provenance aware portal
- Cyberintegrator provenance-aware workflow
- MAEViz provenance aware app& portal combination for earthquake engineering
- Data preservation metadata/provenance