- Organization: **Vector Research Center** (a division of TechTeam Government Solutions, Inc.)
- Lead Investigator: **Van Parunak**
- We are seeking to **join a team**.

Research Areas of Interest

Real-time sorting and filtering of large image collections, using

- image **metadata** (e.g., time, place, modality)
- results of **feature analysis** (e.g., recognized objects, persons, or text)
- **low-level** features (e.g., spectral distribution, differential geometric properties, texture).

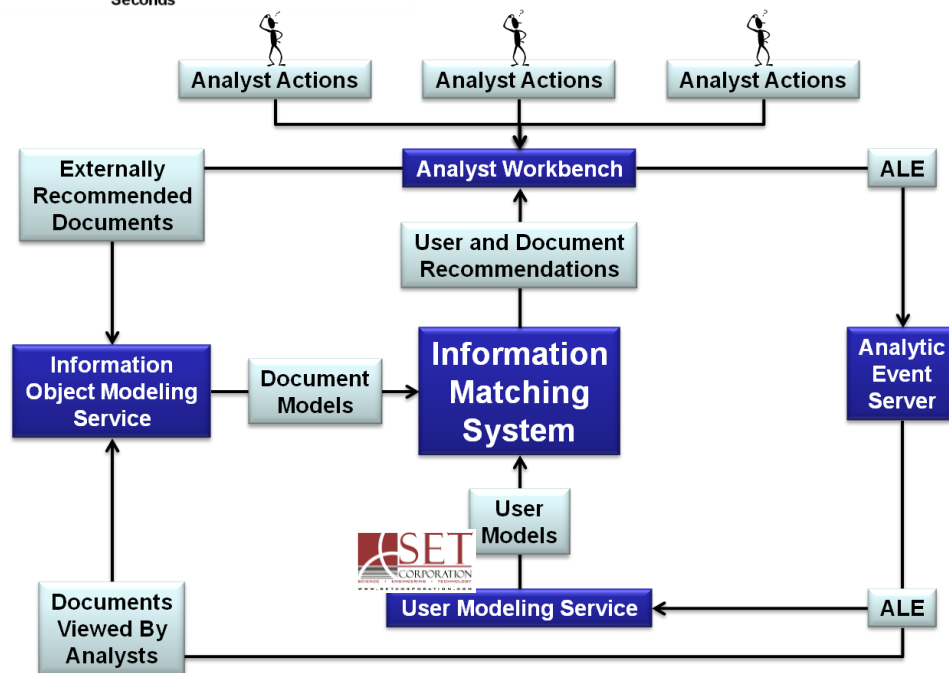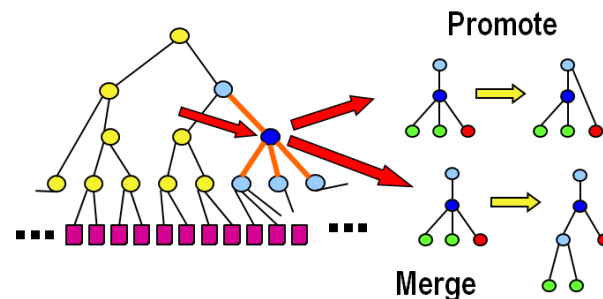Derivation of **analyst interest maps** based on the images accessed by an analyst
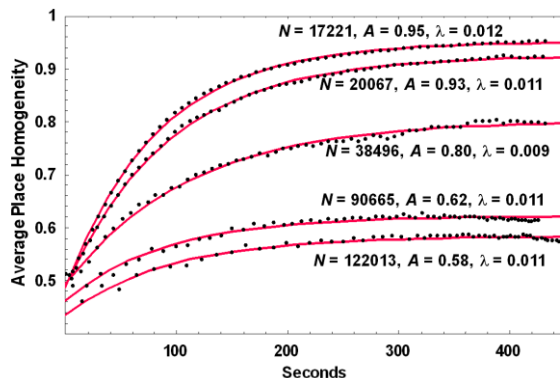
- We can recommend new images proactively.

2002-02-05-00:06:25, 35.671196, 139.764998

Unique Qualifications and Capabilities

Technology for **self-organization in massive databases** demonstrated in previous IARPA programs (NIMD and CASE) on textual data

- **Clustering** and **search** in mammoth dynamic collections
- **Active documents** that find interested users
- Self-organizing **virtual interest groups** of analysts

Vision processing (high- and low-level feature extraction)

Contact Information

- **Van Parunak**
- **Chief Scientist**
- **Vector Research Center, TTGSI**
- **van.parunak@newvectors.net**
- **734 302 4684, 734 395 3253**
- **http://www.newvectors.net/staff/parunakv**