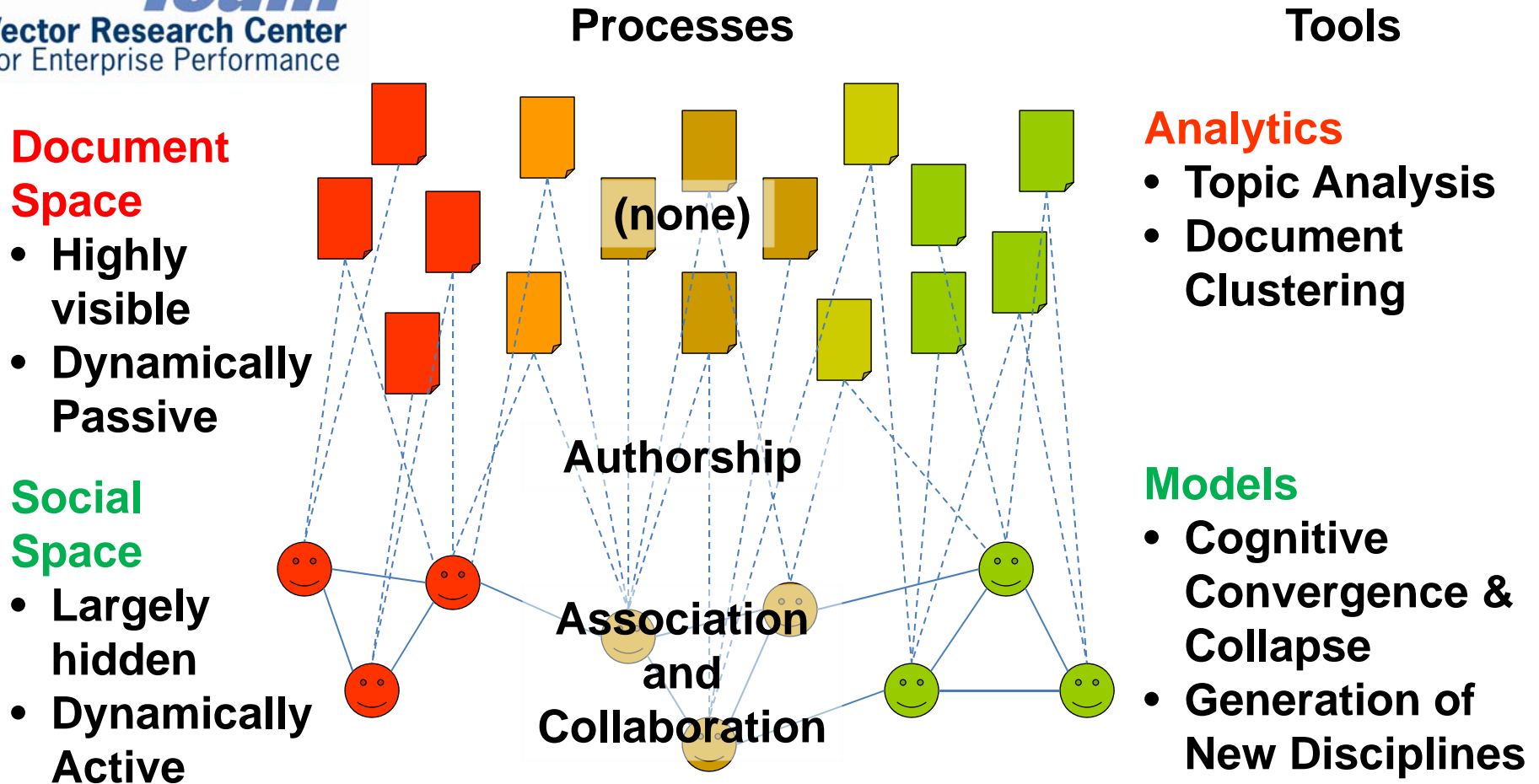


- Organization: **Vector Research Center, division of TTGSI**
- Lead Investigator: **H. Van Dyke Parunak**
- Current Team Members: **none** currently (but eager to team)

# Research Areas of Interest



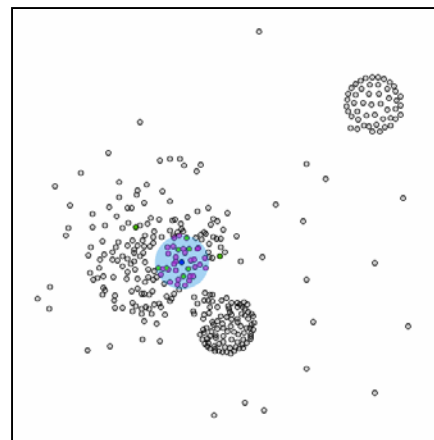
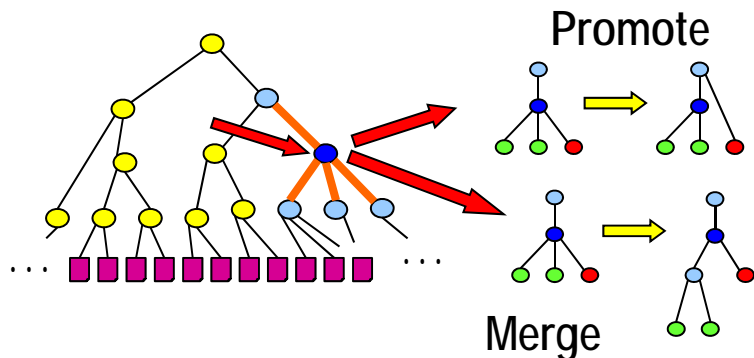
## Key Observations:

- Most of what we can **see** is in **Document Space**
- Most of what **happens** is in **Social Space**
- Success requires connecting these

# Unique Quals & Capabilities

## Analytics: Self-organizing documents

- Scalable, any-time

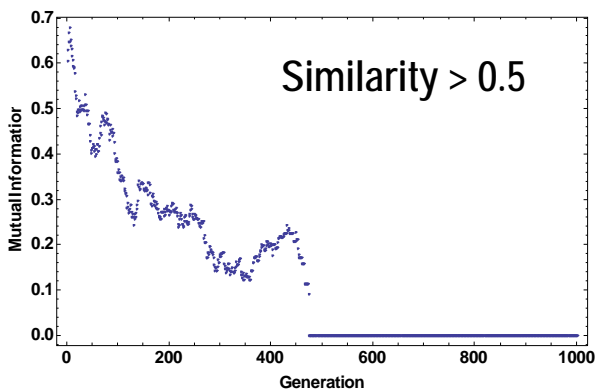


Swarming hierarchical clustering (NIMD)

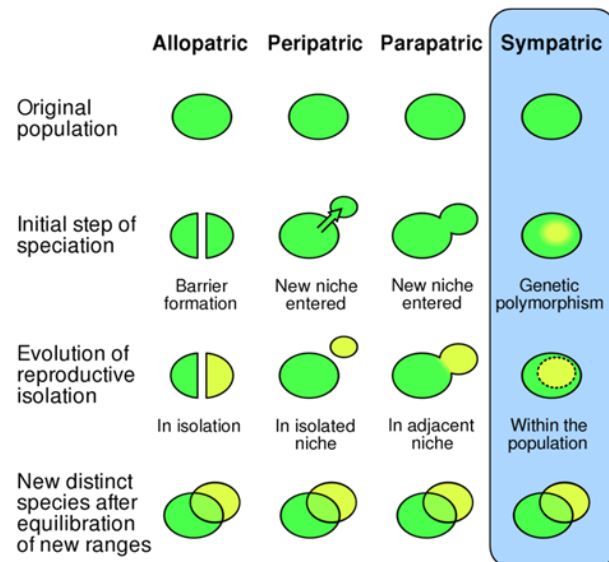
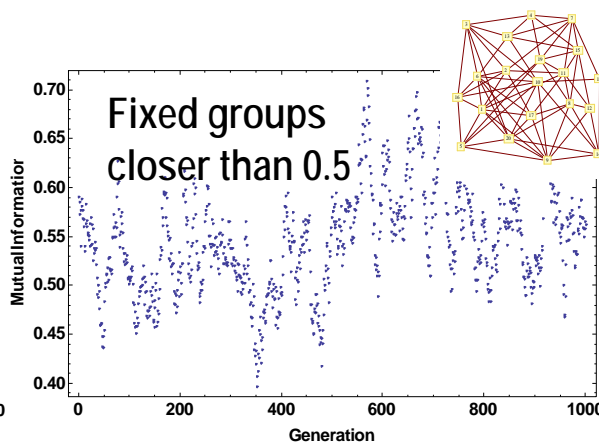
Force-based clustering (CASE)

## Models of collective cognitive dynamics

- Diachronic, probabilistic modeling platform



Convergence and collapse (CASE)



Topic formation (based on speciation)

# Team Sought

## We bring

- **IARPA/IC** experience
- **Scalable, any-time clustering**
- **Modeling** of collective cognitive dynamics

## We seek

- Experience in **scientometrics**
- **Natural language** processing
- **Topic modeling**
- **Classical machine learning** with an interest in hybrid approaches

**Come to our poster.**

# Contact Information

- Name: **Van Parunak**
- Title: **Chief Scientist**
- Organization: **Vector Research Center**, division of TTGSI
- Email address: **van.parunak@newvectors.net**
- Phone number(s): **734 302 4684**
- url: **<http://www.newvectors.net/staff/parunakv>**