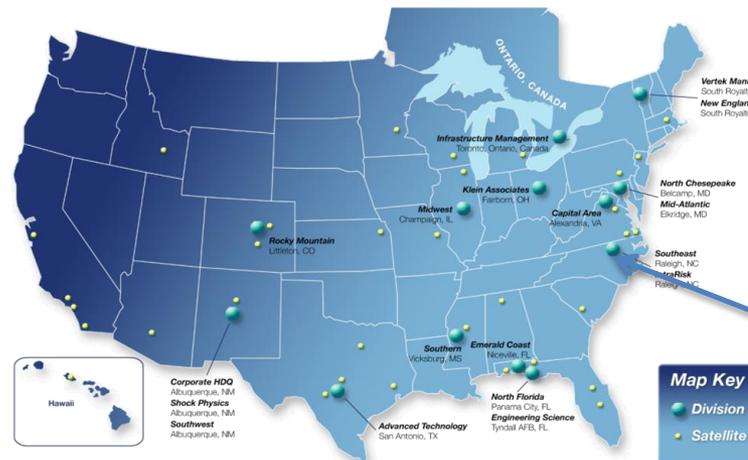


- Applied Research Associates, Raleigh
- Lead Investigator: Dirk Warnaar
- Tech Director: Mike Seebold



## Southeast Division



# Research Areas of Interest

- Forecasting
- Structured reasoning
- Crowdsourcing
- Cognitive analysis
- Content extraction
- Statistical analysis



The screenshot displays the Forecasting ACE website interface. At the top, it says "FORECASTING ACE" and "Welcome, guessme! Log out". Navigation links include "HOME", "FORECASTS", "STATS", "COMMUNITY", "LEARN", and "TEAM". The main content area is divided into several sections:

- PROFILE DATA**: Includes "Provide/update your profile", "Change your settings", "My Group", and "Featured forecasters".
- COMMUNITY**: Includes "Subscribe to our news", "MAKE A FORECAST", "Start forecasting", and "Spotlight forecasts".
- STATISTICS & RANKINGS**: Includes "Your monthly rankings", "Your trends", "Groups monthly rankings", "Groups cumulative scores", "Forecasting tips", "Ranking tutorial", "Scoring tutorial", and "Stats of the project".
- FORECASTING EXPLAINED**: Includes "make a forecast", "Forecasting tips", "Ranking tutorial", "Scoring tutorial", and "Stats of the project".

Below the main content area, there is a "Global Crowd Intelligence" banner with the tagline "Put your knowledge on the line...". The main content area is divided into several columns of news and statistics:

- NEWEST**: Includes "Troop withdrawal from Mali", "Italian government", "Lebanese confrontation in the East China...", "Talks with Syrian opposition forces", and "Turkey's sovereign credit rating".
- HOTTEST**: Includes "Lebanese confrontation in the East China...", "Troop withdrawal from Mali", "Action by North Korean military", "Italian government", and "Talks with Syrian opposition forces".
- LEADERBOARDS**: Includes "ANALYST EXPERIENCE" and "ANALYST REPUTATION" tables.
- CLOSING SOON**: Includes "NCAA Men's Final Four", "Italian government", "President of an leading office", "Progress in talks between Iran and MEA", and "Invasion of Iran".
- RESULTS**: Includes "David Byrne", "Gizmag elected to Kenya's Senate", "Venezuelan President declining health", "Yahoo stock at 4 year high", and "Number of registered Italian conflict...".
- RECOMMENDED**: Includes "Relative majority in the Japanese...", "Action by North Korean military", "Turkey's sovereign credit rating", "Talks with Syrian opposition forces", and "Palestinian PM leaving office".
- ACCEPTED**: Includes "Panning event", "Finnish withdrawal from Eurozone", "Mandi Fe's professed hoax", "NFL team with best and season record", and "Japan and China 'five five' incident".

At the bottom, there is a footer with "©2012 Applied Research Associates, Inc. All rights reserved. | Sponsored by WPP/ACE Division" and social media icons.



# Qualifications

- Aggregative Contingent Estimation System (ACES) – Crowd-based forecasting of future events. ARA was a prime on the IARPA ACE program.
- WALDO – Image/video geolocation. Current prime on the IARPA Finder program.
- Assessing Team Collaboration in Intelligence Teams – Identified essential dimensions of effective collaboration and processes associated with them.
- Sense-making in Intelligence Analysis – Extended incident- based Cognitive Task Analysis methods to improve and share sense-making across analysts/organizations.
- White House Situation Room redesign – Human cognitive performance in high stakes work domains to improve decision making.
- Cultural network analysis – Eliciting, analyzing, and representing cultural models in any domain.
- Intelligence Management System (IMS) – Rapidly gathers, organizes, processes, and disseminates data from disparate sources. Considers semantic, geospatial, and temporal aspects to determine data relevancy.

Former intelligence analysts on staff



# Desired Complimentary Technologies

- Reasoning techniques (case-based, evidential, plausible,...)
- Collaboration platforms
- Context modeling
- Text analysis



# Contact Information

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