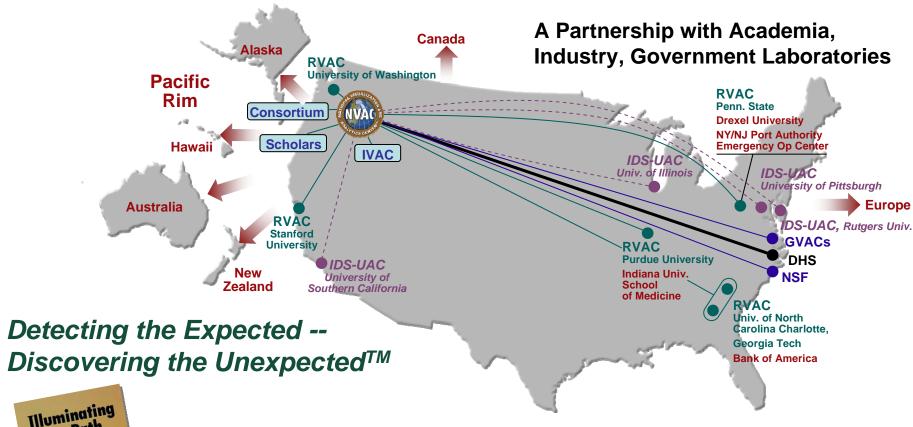


## Visualization and Analytics Centers





Illuminating the Path
The Research and Development Agenda for Visual Analytics
Relied by James J. Thomas and Evisin A. Cook

Dr. Richard May
Deputy Director | National Visualization
and Analytics Center

Pacific Northwest National Laboratory richard.may@pnl.gov | http://nvac.pnl.gov



## CompStat NG

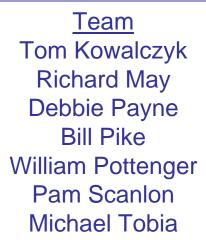


## (Computer Statistics, the next generation)

Deploying advanced visual and data analytics tools for crime analysis and counter-terrorism for use in force deployment.

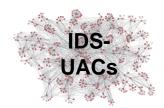








**PENNSTATE** 



**Intuidex** 



Seattle Fusion Center

THE PORT AUTHORITY OF NY & NJ



# CompStat NG - Background



#### What is it?

- Employs advanced visual and data analytics for crime analysis and counterterrorism (emphasizing proactive but also supporting reactive).
- Provides crime and counter-terrorism information in a web based system for entry and retrieval of information.
- Enables real-time situational awareness on any networked device (Large Screen Interactions, PC, smart phone).

## What kind of change can it enable?

- Dramatic improvements in fighting crime and counter-terrorism.
- Better employment of forces with resulting reduction in crime.

#### How does it do it?

- Analyze data anywhere at anytime
- Place the information in context
- Take advantage of volumes of information



## **Current Activities**





500+ PDA users



## Structured Data Statistics





#### **Port Authority Police**



Samuel J. Plumeri, Director of Public Safety and Superintendent of Police

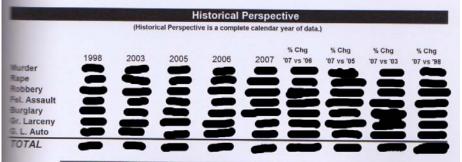
Volume 2 Number 2

#### CompStat

JFK International

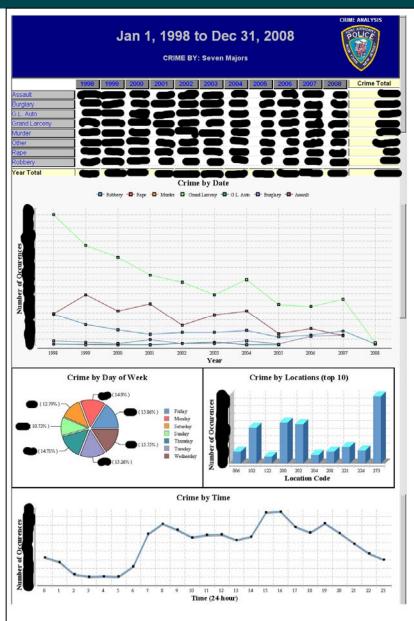
Report Covering the Week of 01/07/2008 through 01/13/2008

	261/6	E.	Cı	rime Com	plaints		here a	100	6/9/3
	Week to Date			28 day			Year to Date *		
	2008	2007	% Change	2008	2007	% Change	2008	2007	% Change
Wurder	-	_	_	•		-	-		_
Rape	Č		<b>=</b>	=	=		=	=	=
Robbery								=	=
Fall Assault	2			3					_
Burglary  Larceny		=	_						
E. L. Auto	=	$\equiv$	=	=	=				25
TOTAL	•	=	3	-	=		=	=	



The above CompStat figures are posted on Monday, one week after the closing date.

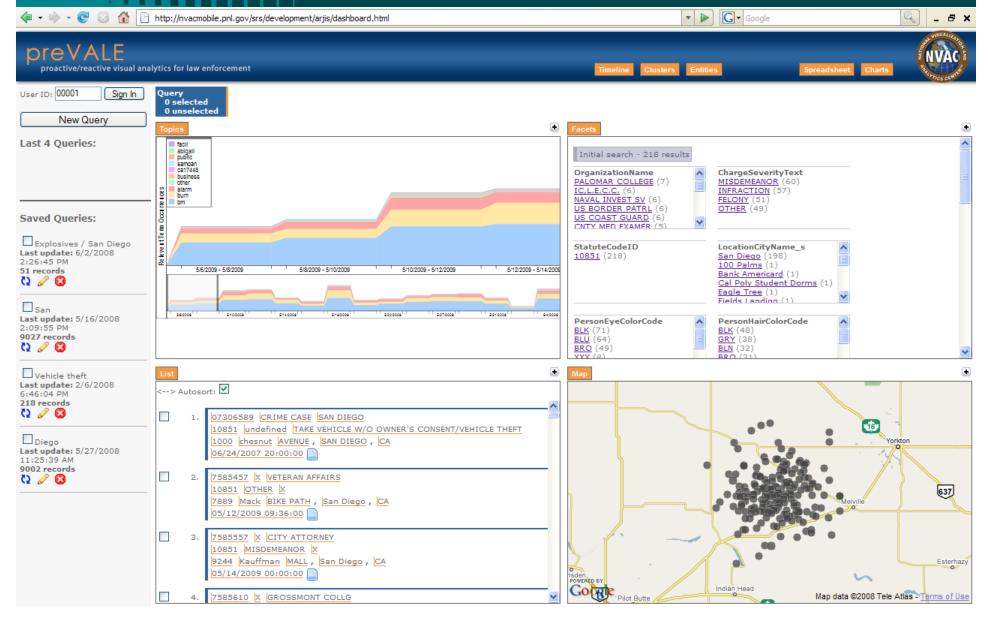
postat figures are preliminary and subject to further analysis and revision. Crime statistics reflect New York State Penal Law definitions and/or Title. The NJ Code of Criminal Justice and differ from the crime categories reported to the F.B.I. Uniform Crime Reporting System. All degrees of rape accluded in the rape category.





## New Analysis Tools



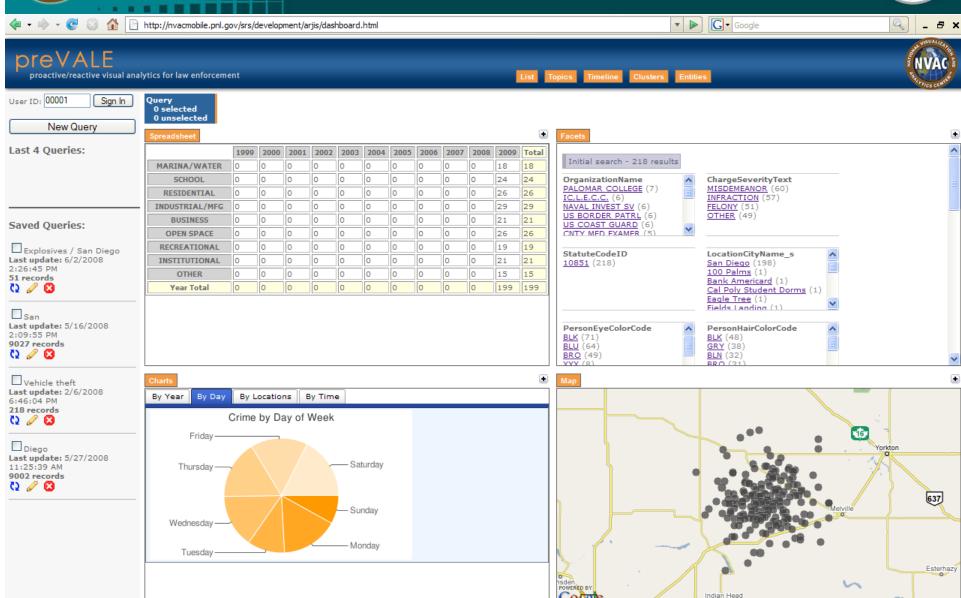




# Mixing and Matching



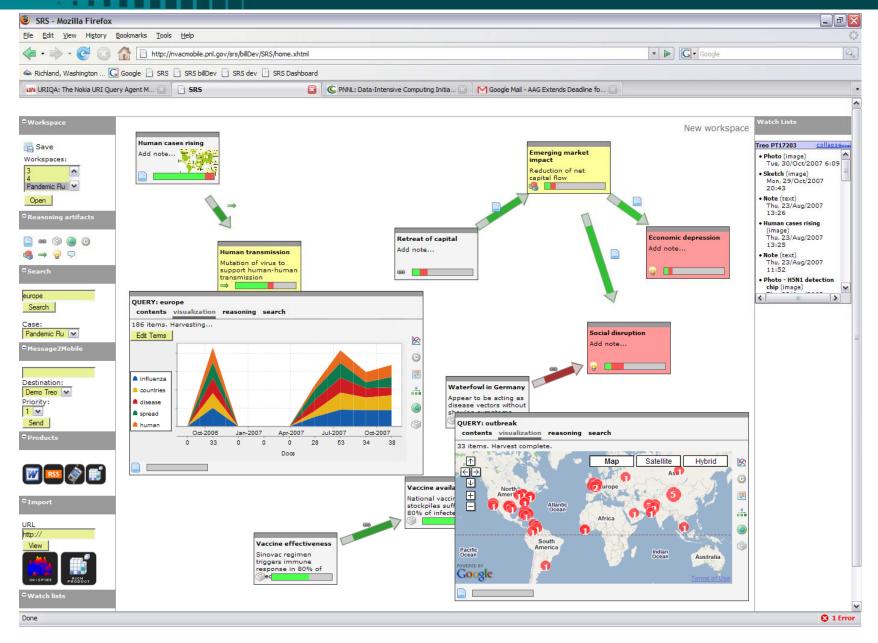
Map data @2008 Tele Atlas - Terms of Use





# **Analytical Interfaces**







## **Mobile Tools**







## **CompStat NG**



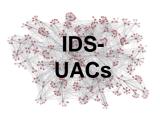
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Deploying advanced visual and data analytics tools for crime analysis and counter-terrorism for use in force deployment.









Intuidex

START

Team Richard May Debbie Payne Bill Pike William Pottenger Pam Scanlon Michael Tobia





Center

**HE PORT AUTHORITY** OF NY & N J







# Homeland Security