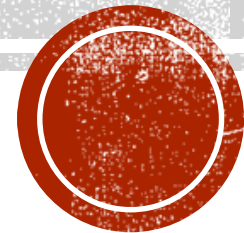


# **SURVEILLANCE SOCIETY**

February 18 OLLI Week 4

Short History of the War on Terror



# **The New Surveillance Architecture post 9-11**

## **Oct 4, 2001 Stellar Wind**

**warrantless sharing of call and email data by Private Partners**

## **Government reorganization DHS 2001/2002**

- **Office of Information Awareness**
- **Total Information Awareness (Later Terrorism Information Awareness)**

## **Oct. 26, 2001 Patriot Act**

- **Reinvention of Intelligence and Surveillance Rules;**
- **Relaxation of FISA, warrantless searches of email, calls, and finances, military tribunals of noncitizens (can be detained without habeas corpus) (Oct 26, 2001)**

**Intelligence Reform Act (2004) ODNI established**



**In the 1990s the U.S. became the “switchboard of the world” – handy for the NSA**

**Echelon Program (from 1970s) adapted from radar, to satellite to digital surveillance**



**2005 Map of  
Global  
Telephone  
traffic**









# (TS//SI//NF) PRISM Collection Details



## Current Providers

- Microsoft (Hotmail, etc.)
- Google
- Yahoo!
- Facebook
- PalTalk
- YouTube
- Skype
- AOL
- Apple



## What Will You Receive in Collection (Surveillance and Stored Comms)?

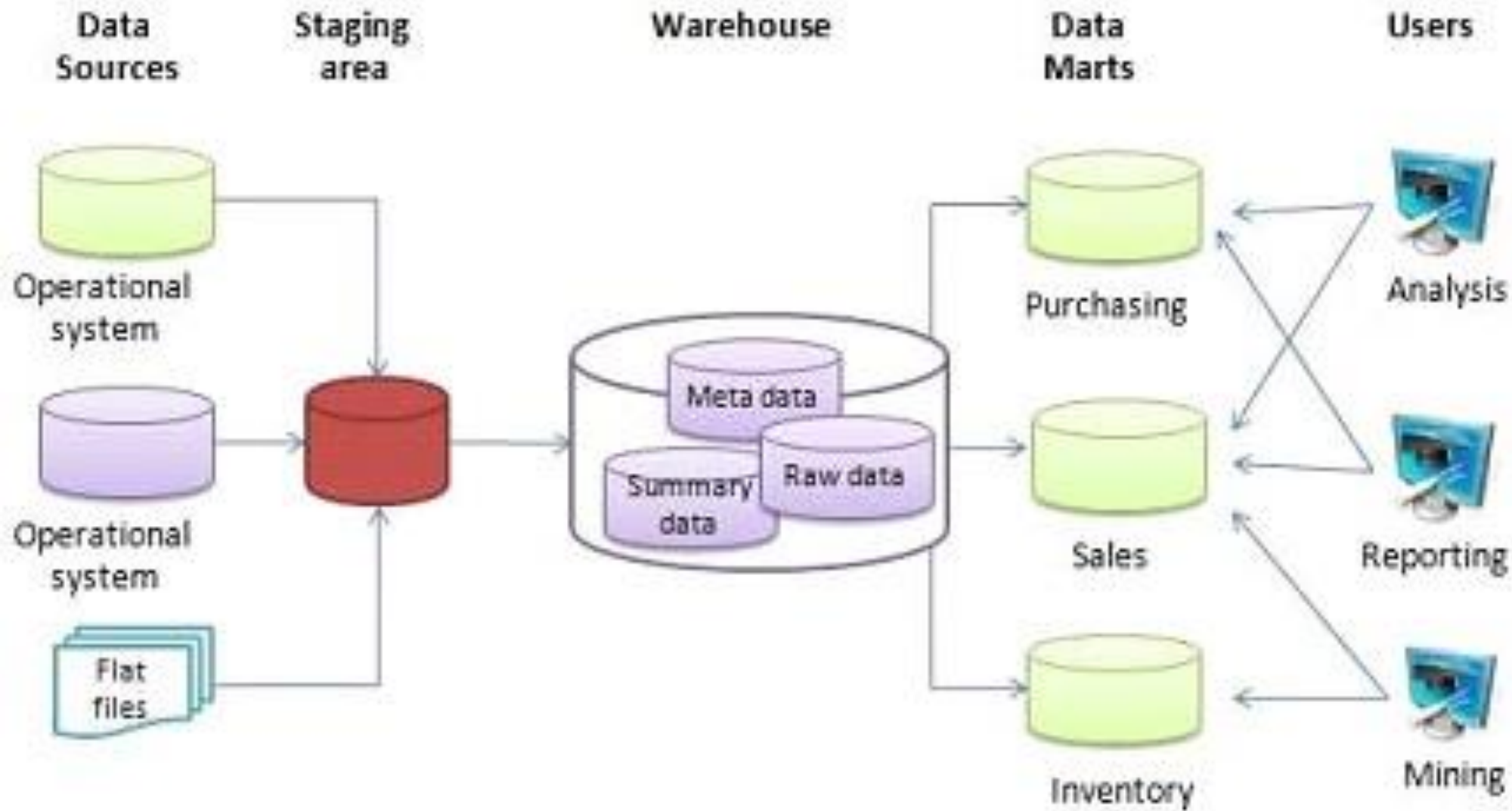
It varies by provider. In general:

- E-mail
- Chat – video, voice
- Videos
- Photos
- Stored data
- VoIP
- File transfers
- Video Conferencing
- Notifications of target activity – logins, etc.
- Online Social Networking details
- **Special Requests**

Placed under FISA in 2007, but Snowden confirmed it continued under other programs (PRISM, etc.)



# Basic Data Mining and Data Warehouse Structure borrowed from Industry



## **Patriot Act Oct. 26, 2001**

- Partnership with private entities (phone, internet records)
- Roving Wiretaps preceding FISA approval (sneak and Peak)
- Relax controls on electronic communications
- National Security Letters – Government can demand records on individuals (used against journalists); even if request denied by court.
- Suspend Habeas Corpus for suspected Terrorists/non-citizens
- Banking and Financial Access.

**Revised in 2015 Freedom Act, some greater limits written in to FISA oversight, but transparency still a problem.**



# 2002 DHS's Information Awareness Office

Fall 2001 DARPA brings together pilot projects on surveillance.

- Emails,
- Social networks
- Credit card/financial behavior
- Phone calls
- Medical records,

Research on:

- Biometric tracking
- Facial recognition
- Predictive Behavioral Intelligence

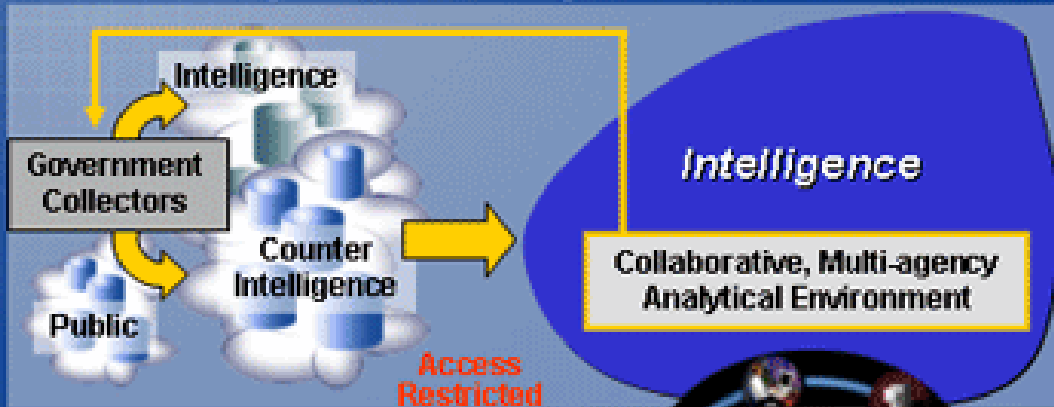




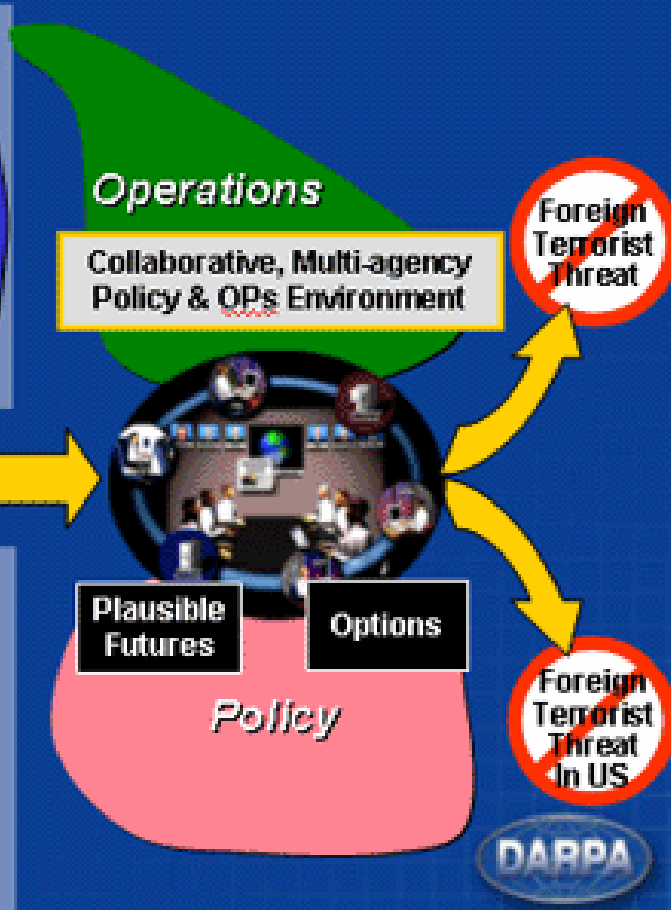
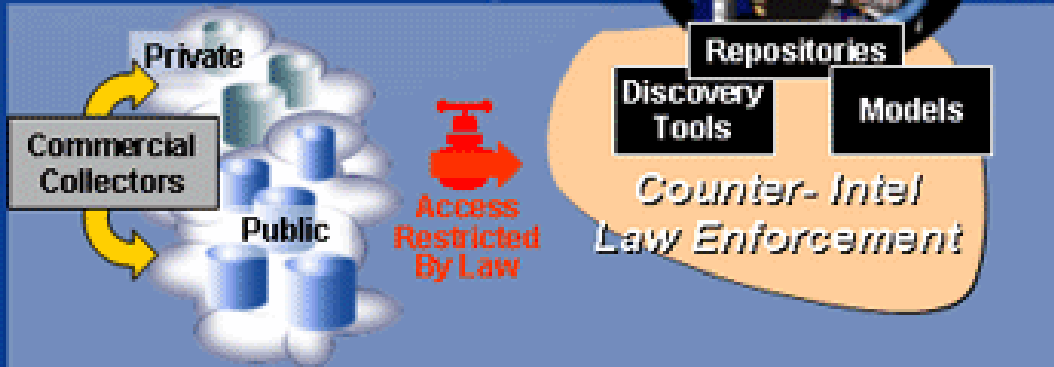
**TIA Overview (vision)...**

Detect → Classify → ID → Track → Understand → Preempt

**DoD and Foreign Intel Community**



**Law Enforcement Community**



**TIA launched February 2003.**

**Program billed as the “Manhattan Project of Counter Terrorism” (by John Poindexter of Iran-Contra fame).**

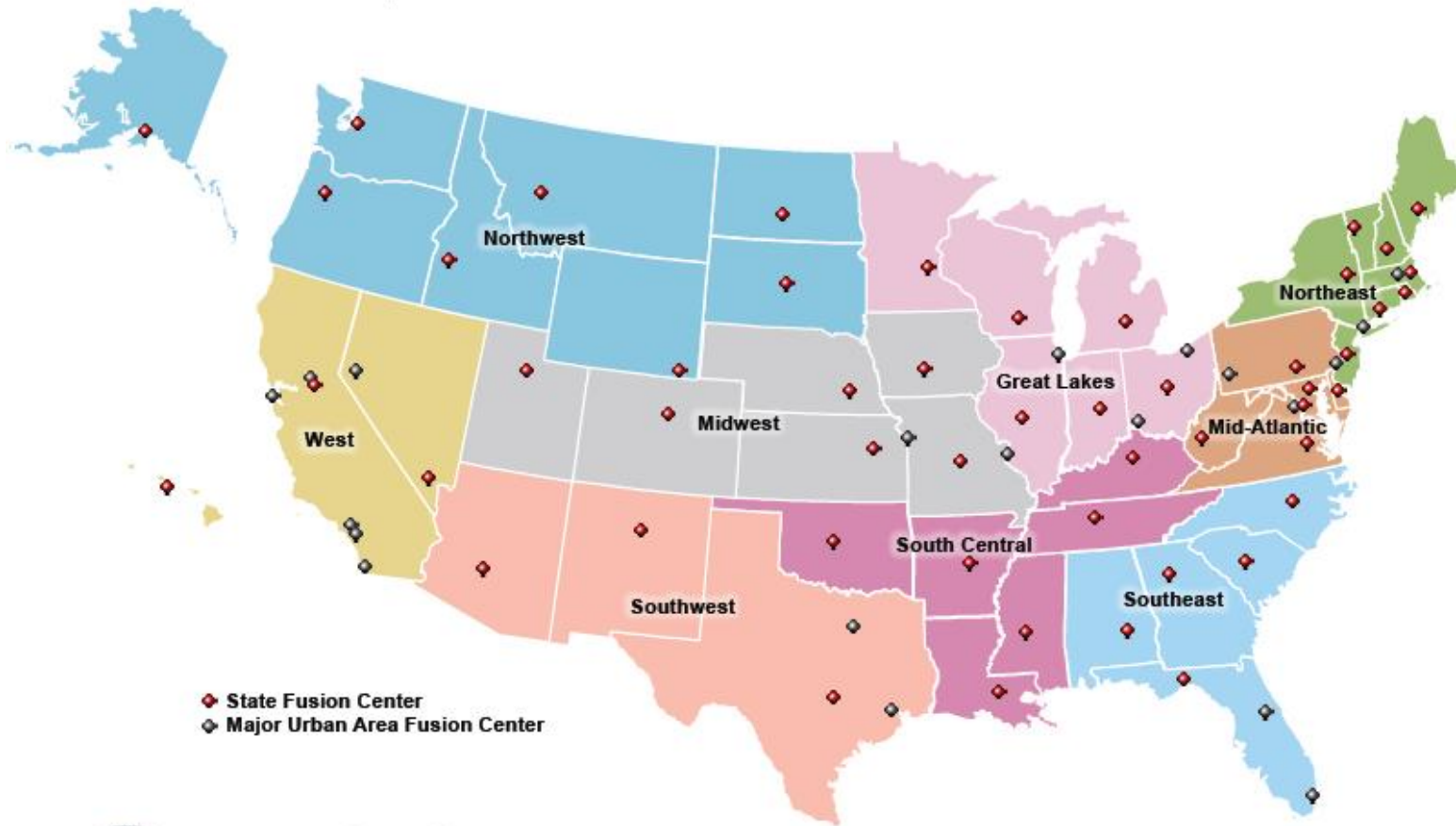
**Shut down in down in late 2003....but survives under other names**



# FUSION CENTERS AND INTELLIGENCE-LED POLICING

UNCLASSIFIED//FOR OFFICIAL USE ONLY

## The National Network



Report  
Suspicious  
Activity



National Network  
of Fusion Centers

Fusion Centers (emerge 2003-2007) locally “owned” by state and local law enforcement, partnered with Federal and Private information networks.



# My very own Fusion Center STIC Center



**2100 S. Dirksen Parkway  
Springfield, Illinois 62703  
Phone (877) 455-7842**

Statewide Terrorism &  
Intelligence Center



## Goals?

- **Threat tracking**
- **Critical Infrastructure Security**
- **Intelligence Led Policing**  
More effective  
policing or too  
empowering of  
police?





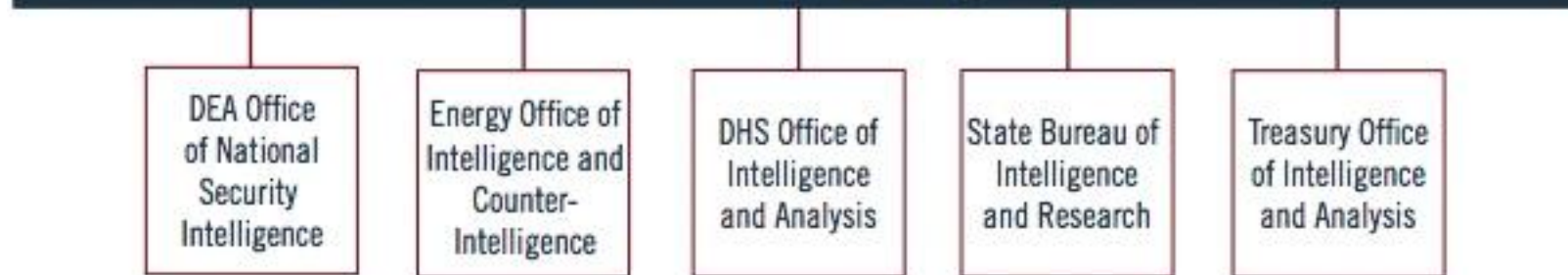
OFFICE OF THE DIRECTOR OF THE NATIONAL INTELLIGENCE



PROGRAM MANAGERS



DEPARTMENTS



SERVICES



# 2004 Intelligence Reform Act

## 16 Intelligence Departments brought under the ODNI





# From TTIC (2003) to NCTC (2004) to pool intelligence resources across the Government and Military. Threat List, Watch List...



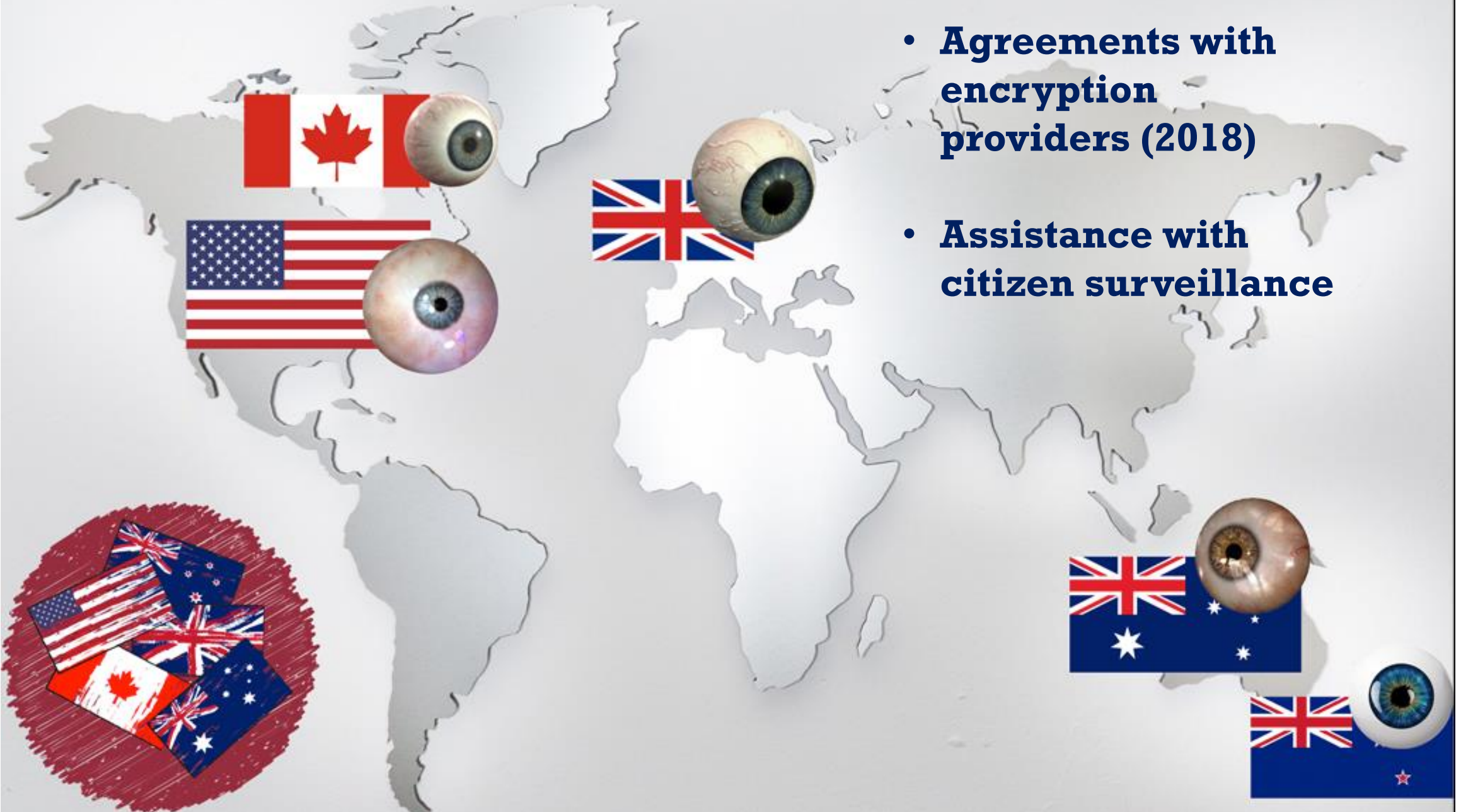
[How the NCTC Watch List works \(ABC News\)](#)

<https://abcnews.go.com/US/video/terrorist-watch-list-explained-39887393>





# Five Eyes – Origins in WWII, Reinvented post 2001.



- **Agreements with encryption providers (2018)**
- **Assistance with citizen surveillance**



# **SNOWDEN Exposes the Secret Life of Supposedly Closed Programs in 2013.**

**Echelon communications “dragnet” becomes Prism**

**TALON – USAF threat database also collected info on domestic groups**

**Guardian – FBI database of threats and groups**

**ADVISE – DHS program – central database including US citizen info**

**Tempora – British Fiber Optic cable interception of all traffic**

**Xkeyscore – internet traffic**

**Muscular – tapping undersea cables**

**Effects?**

**Gathering Personal information to undermine reputations of opponents**

**Cyberwarfare programs**

**Spying on Online Gamers**

**Spying on the UN in run up to the Iraq War (including Kofi Annan)**

**Industrial Espionage**

**Five Eyes cooperation to circumvent domestic laws.**





1. [Scenes from the Snowden movie by Oliver Stone:](#)
2. [https://www.youtube.com/watch?v=xrrAwGzQO\\_U](https://www.youtube.com/watch?v=xrrAwGzQO_U) “Face book’s my bitch.” (Scene 7 on DVD)
1. Japan. <https://www.youtube.com/watch?v=frW8PQYXiq8> “this was not about Terrorism, terrorism was the excuse. Building supposed back up system for national security but in reality finding control points of all kinds of services. Spying on population, tapping into physical infrastructure. Eavesdropping on companies and political leaders for negotiation leverage
2. James Clapper testifying on NSA not collecting evidence (2013 before Congress) Youtube segment here at minute 6 the key question. <https://www.youtube.com/watch?v=QwiUVUJmGjs&t=191s>
3. Snowden movie scene n Hawaii: **Drone pilots laughing about the clouds of smoke, drone over the party** – the Nuremburg principles.



- Snowden Case 2013
- Considers himself a whistleblower, defender of the Constitution.
- Alternative? No place to file complaint within the government he argued
- Secrecy system has made it more difficult for the press to rely on whistleblowers and leaks. And Digital footprints easy to trace. The Government **doesn't have to force journalists to reveal the sources** – can trace them if it is “national Security.”
- Lawsuits against the govt for violating laws with data collection are thrown out of court due to national security.
- Snowden chose to release through journalists he trusted to evaluate sources that would not endanger security of the U.S. (although some of their sloppy habits made it easy for other countries to access the info).
- Journalists using his material received awards, Congress modified Patriot Act in 2015 Freedom Act..
- Snowden charged under the Espionage Act of 1917 basis of Charges – doesn't permit public trial.



# **Snowden also exposed the Press and changes in Source handling**

Traditionally the Press protected sources to maintain the channel of information as well as defend the rights of the press to investigate.

Then - market collapse of the press and growing secrecy/classification/digital revolution

- Embedded Reporters – Unhealthy collusion?

National Security Claims vs Leaks:

- Abu Ghreib 2004. Leak from low level soldiers.
- NYT story on Domestic Wiretaps 2006 – Pulitzer!
- Washington Post story on Secret Prisons and Rendition 2006. Also a Pulitzer.



**Valerie Plame leak 2003 (from the White House itself – Newspapers knew it was released as retaliation – but it was a hot news topic. Did the source deserve protection? Certainly a leak that endangered National security.**





## 2006 The Wikileaks Age Begins

2010 Chelsea Manning Case as an example

Manning had approached NYT and Washington Post, but they refused the material.

Released “Collateral Damage” investigations, Afghan War Diaries, “Cablegate.”

Mannings case prosecuted (35 years, served 7 years, commuted and released Jan. 17, 2017) as a warning to others.

Jailed for refusing to testify against Assange, Mar. 2019-Present.



<https://wikileaks.org>



## Most Leaks evaluated by:

- Was the information released in good faith?
- Did it endanger National Security?
- Was the release of the information of benefit to the public?

(Photo – Protesters at the Assange extradition hearing in London 2-24-2020)



**High Profile Cases like those of Snowden distract the public from some of the larger issues related to the “Wikileaks Age of Information” and Surveillance Society Issues.**

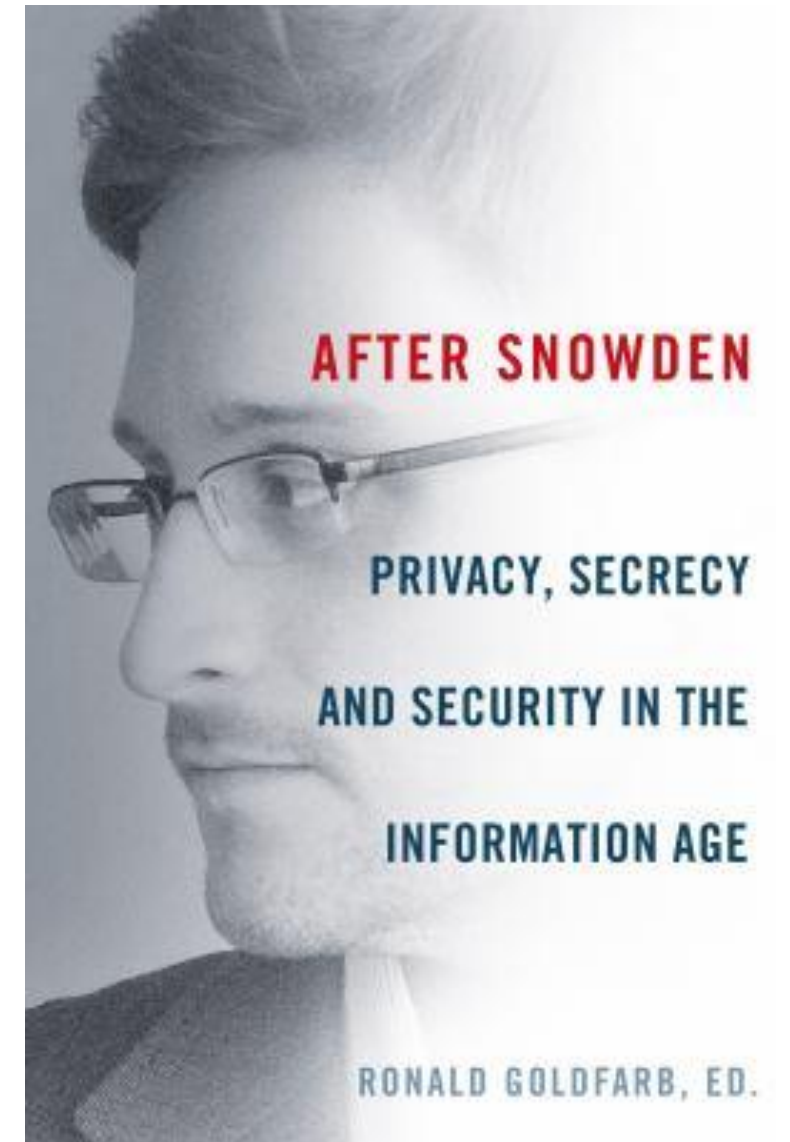
- **Classification and prosecution as a deterrent against dissent.**
- **Digital footprints reduce ability of Leakers to be anonymous.**
- **Journalists can access information without cultivating a relationship with sources – creates possibility of manipulation of media, as well as irresponsible use driven by market needs.**

**(reductions in professional journalism not helping...)**



# **Recommendations for Protecting Whistleblowers and the Role of the Press**

- 1. Transparency. Need to end classification as barrier to citizen and oversight knowledge.**
- 2. Protect against Abuse: Greater oversight of FISA, NSA, etc.**
- 3. Whistleblower provisions need to be updated for a new age – Channels for leaks that can be anonymous.**





# **Bigger Issue - Is Privacy even Possible in a Digital Age?**

**If people allow social media to collect info, is it a reasonable argument by the government that this is “public info?”**

Some of the research considered terrifying back in 2002 considered normal today:

- Facial/gate recognition
- Speech to text service
- Translation services
- Speech predictions/natural language
- Voice commands
- Social network analysis



# Feeding the “Data Machine” has reshaped Strategy and Policy.

“Just as infantrymen wield rifles loaded with ammunition, AI warriors wield algorithms loaded with data. Will their data have to be prepared in a time-consuming manner akin to the loading of the Springfield with Minié ball, paper powder cartridge, percussion cap and ramrod, or will their data be as immediately accessible and usable as the seven rounds in the Spencer’s magazines?

If AI warriors are to immediately and rapidly “fire” their weapons instead of constantly reloading them, *data must be plentiful, discoverable, accessible, and of the highest possible quality*”



# From Analysts to Data Scientists

**Loss of capacity in human, regional or cultural understanding, vision of changing political-economic context, human relationships not invested in.**

**The policy of “find, fix, finish” that hasn’t reduced the numbers of targets...**



An example from a presentation about RT-RG's ability to visualize intercepted data spatially. This "heat map" show a target's call activity (blue means "fewer calls," red means "more calls"). A text message sent by a target is automatically translated from Arabic and overlaid on Google Earth. This information helps a military commander "find, fix, and finish" the adversary. Image: NSA



# From a battlefield tool to a global lens on the world.

The Intercept\_



The NSA's revolutionary "Real Time-Regional Gateway" data center at Area 82 in Bagram airfield, Afghanistan. Photo: NSA



DONATE



51

## MISSION CREEP: HOW THE NSA'S GAME-CHANGING TARGETING SYSTEM BUILT FOR IRAQ AND AFGHANISTAN ENDED UP ON THE MEXICO BORDER



Henrik Moltke

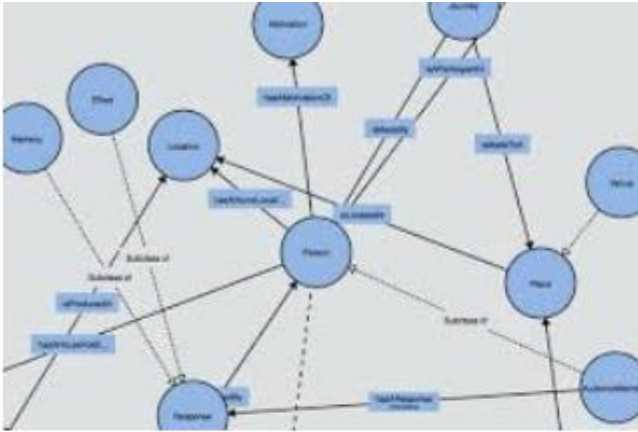
May 29 2019, 11:06 a.m.

<https://theintercept.com/2019/05/29/nsa-data-afghanistan-iraq-mexico-border/>

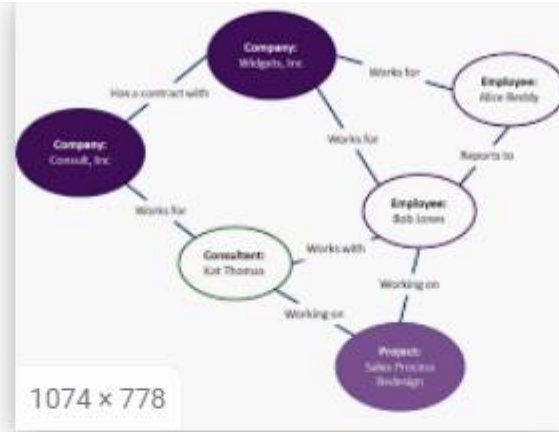




# Suddenly in the World of Data Science a fascination with the philosophical concept of Ontology... What good are the models?

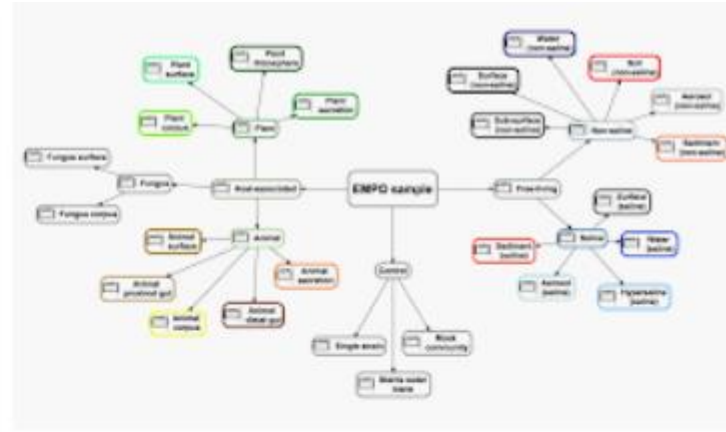


Why use an ontology? Mixed methods ...  
[talkinghumanities.blogs.sas.ac.uk](http://talkinghumanities.blogs.sas.ac.uk)

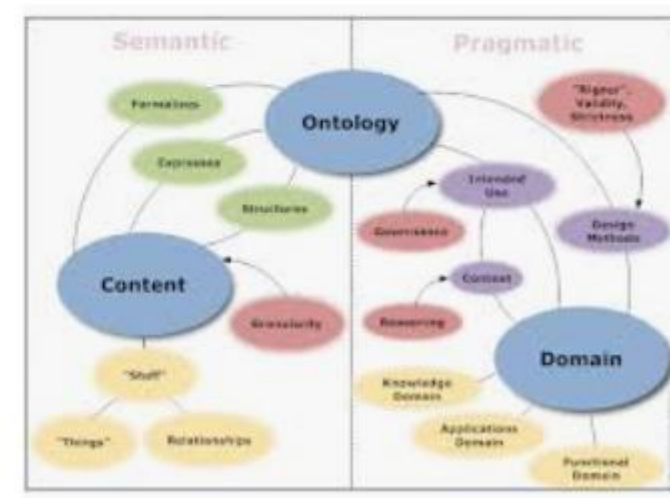
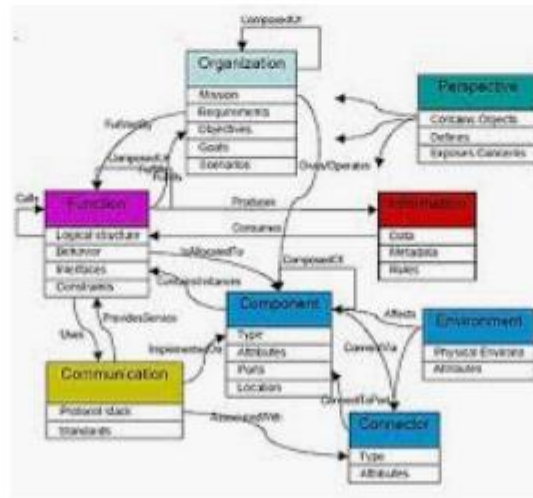
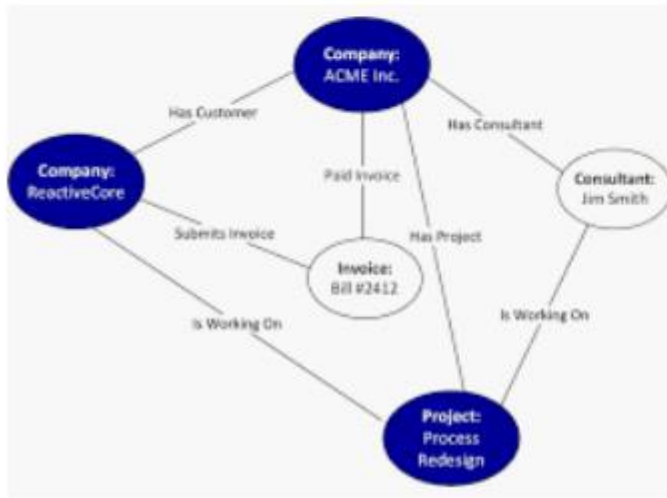


1074 x 778

Ontology and Data Science - Towards...  
[towardsdatascience.com](http://towardsdatascience.com)



EMPO Ontology (EMPO) : Earth Microbiome ...  
[earthmicrobiome.org](http://earthmicrobiome.org)



## The Big Shift to Surveillance Driven War – 2008

2006-7 Insurgency casualties in Iraq and Afghanistan and the 2008 Economic Crisis accelerated the move to using Surveillance Targeting as the basis for a low cost, low human imprint American Global Power Projection.

Over the next decade extended to Yemen, Africa.



# The Post Territorial Empire?

**2020 Troop reductions, but the Surveillance/targeting architecture remains.**

**Surveillance Targeting has become the global national security policy**

## *Pentagon Eyes Africa Drawdown as First Step in Global Troop Shift*

The deliberations stem from a push to reduce missions battling distant terrorist groups, and to instead refocus on confronting so-called Great Powers like Russia and China.





# The Fulfillment of the Barnett vision?

- **Ignore the ability of others to wield their own AI data tools**
- **Abandons any pretense of state building, human rights reform, development...**

