GCHQ, the British signals intelligence agency, prepared the following PowerPoint slideshow presentation for a top-secret intelligence conference in 2012, revealing a pilot program called Squeaky Dolphin.

Documents taken from the National Security Agency by Edward Snowden and obtained by NBC News detail how British cyber spies demonstrated to their U.S. partners in 2012 the ability to monitor YouTube and Blogger in real time and collect addresses from the billions of videos watched daily, as well as some user information, for analysis. At the time the documents were printed, GCHQ was also able to spy on Facebook and Twitter. Called “Psychology A New Kind of SIGDEV," (Signals Development), the presentation includes a section that spells out “Broad real-time monitoring of online activity” of YouTube videos, URLs “liked” on Facebook, and Blogspot/Blogger visits. The monitoring program is called “Squeaky Dolphin.”

NBC News is publishing the documents with minimal redactions to protect individuals. NBC News has also withheld two slides for further review. The last five pages shown here are from an earlier GCHQ document in 2010. NBC News has added annotations on two slides in yellow boxes.

Read the article online at investigations.nbcnews.com.

TOP SECRET//SI//REL TO USA, FVEY

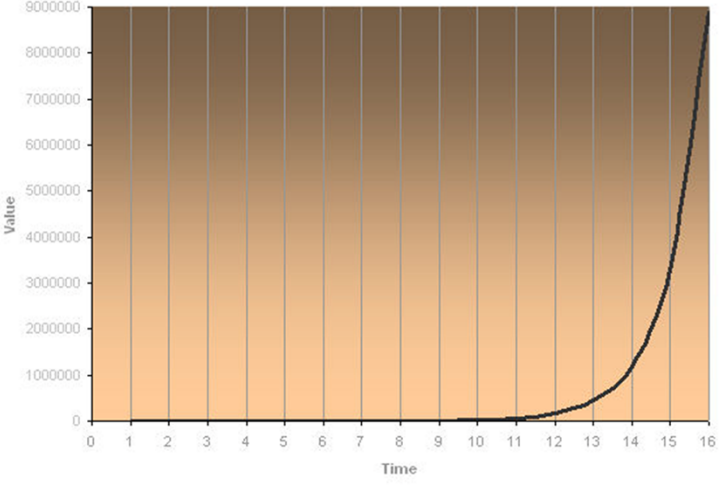
GCHQ

Psychology

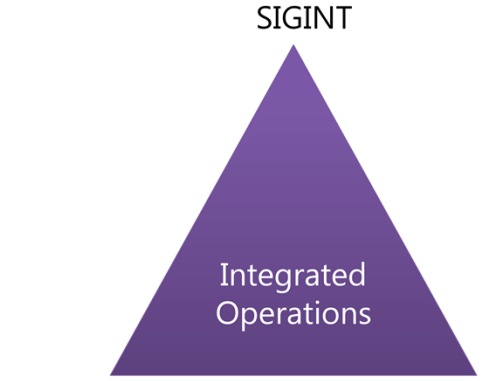
A New Kind of SIGDEV

Establishing the Human Science Operations Cell

TOP SECRET//SI//REL TO USA, FVEY


9000000
8000000
7000000
6000000
5000000
4000000
3000000
2000000
1000000
0
Value
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
Time

100bn

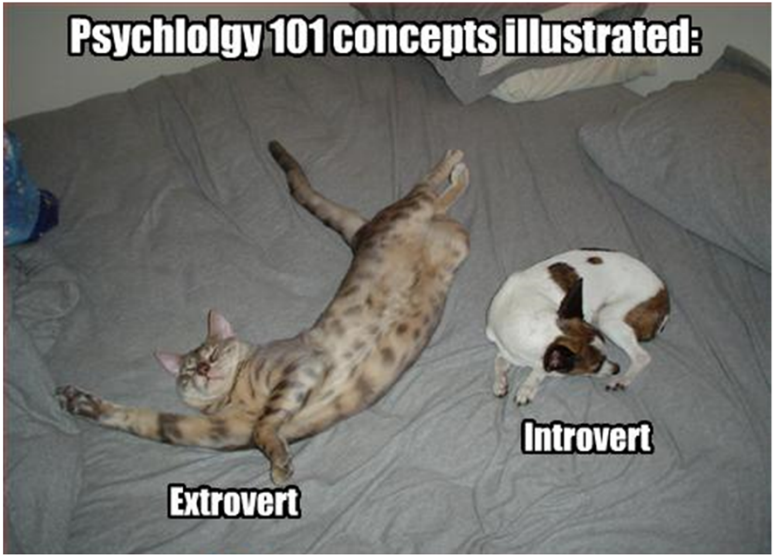

SIGINT
Integrated Operations
Covert Internet
CNE

Online HUMINT

Strategic Influence

Disruption and CNA

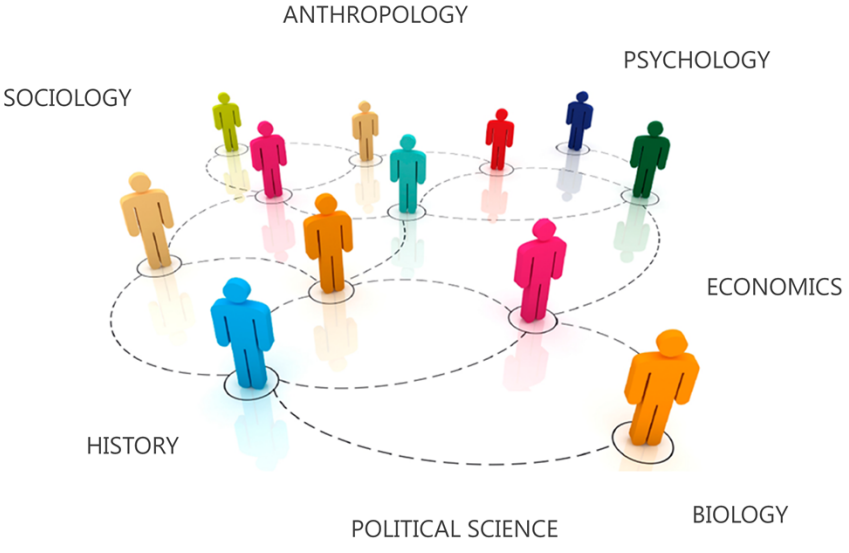
TOP SECRET//SI//REL TO USA, FVEY



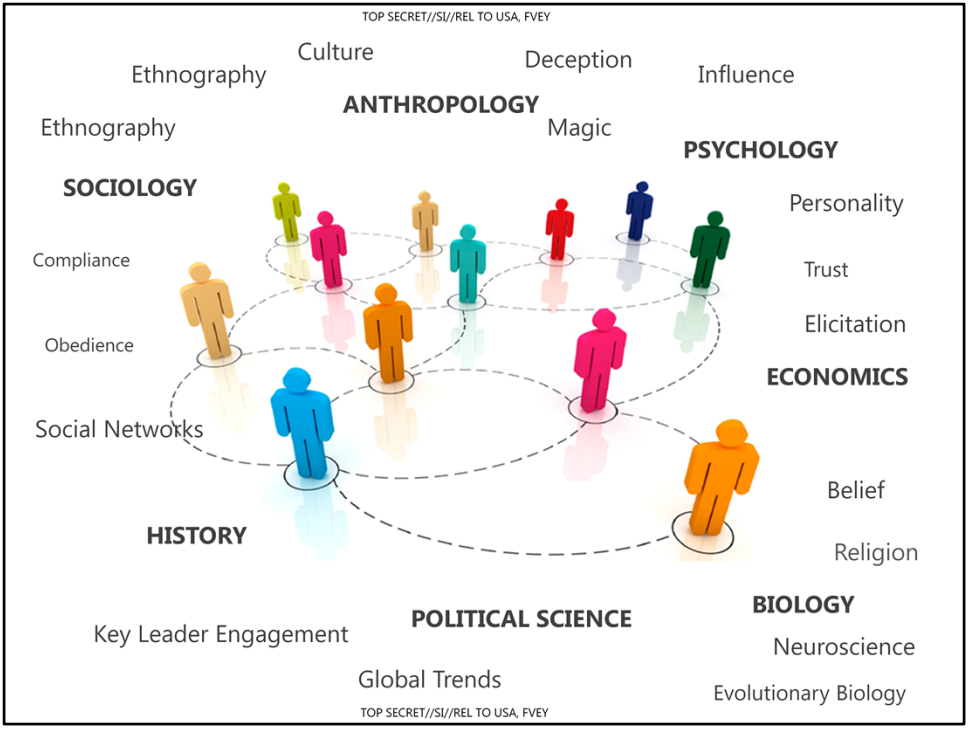
TOP SECRET//SI//REL TO USA, FVEY

Human Science?

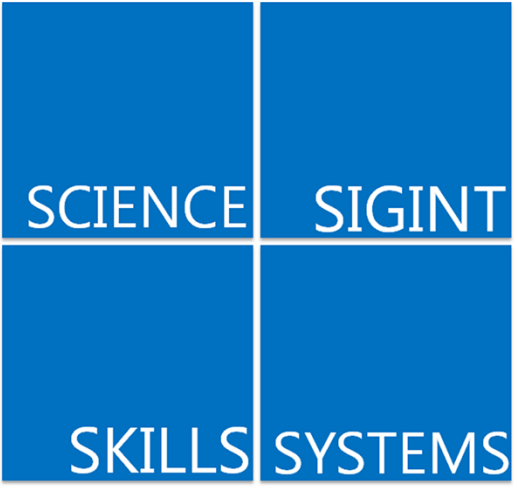
TOP SECRET//SI//REL TO USA, FVEY



TOP SECRET//SI//REL TO USA, FVEY


TOP SECRET//SI//REL TO USA, FVEY
Culture
Deception
Influence
Ethnography
ANTHROPOLOGY
Ethnography
Magic
PSYCHOLOGY
SOCIOLOGY
Personality
Compliance
Trust
Elicitation
Obedience
ECONOMICS
Social Networks
Belief
HISTORY
Religion
BIOLOGY
Key Leader Engagement
POLITICAL SCIENCE
Neuroscience
Global Trends
Evolutionary Biology
TOP SECRET//SI//REL TO USA, FVEY

S4



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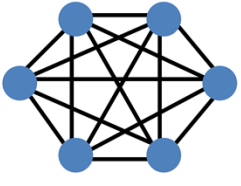
TOP SECRET//SI//REL TO USA, FVEY

TOP SECRET//SI//REL TO USA, FVEY

Individuals



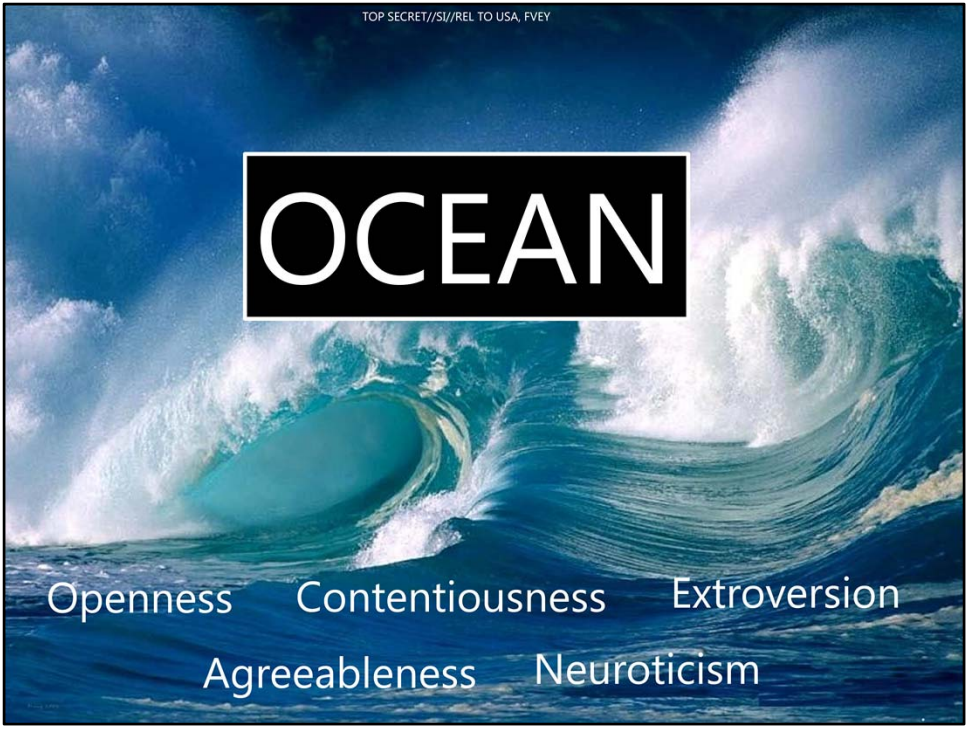
Groups

Socio-Cultural

TOP SECRET//SI//REL TO USA, FVEY

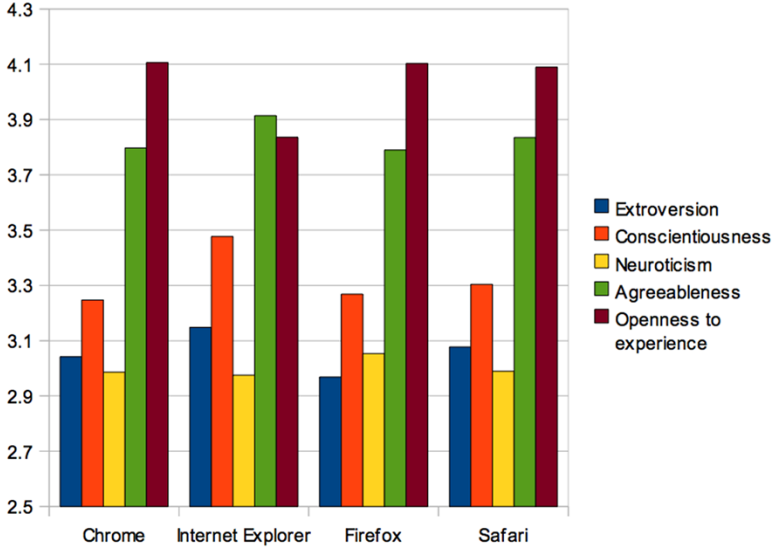
US AIRWAYS

TOP SECRET//SI//REL TO USA, FVEY
OCEAN


TOP SECRET//SI//REL TO USA, FVEY
OCEAN
Openness
Contentiousness
Extroversion
Agreeableness
Neuroticism

VS

TOP SECRET//SI//REL TO USA, FVEY



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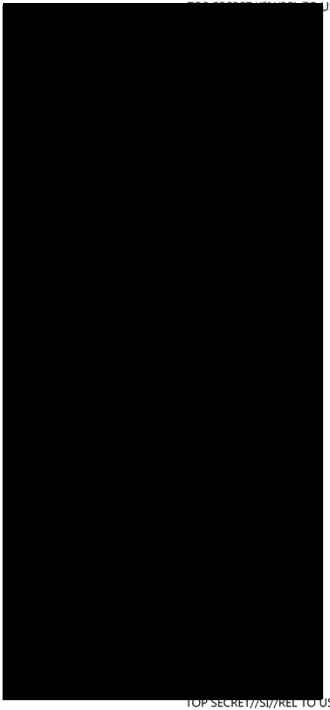
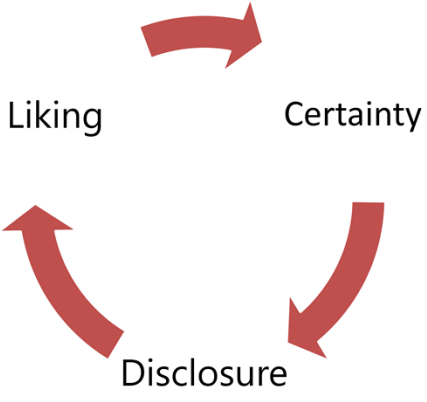
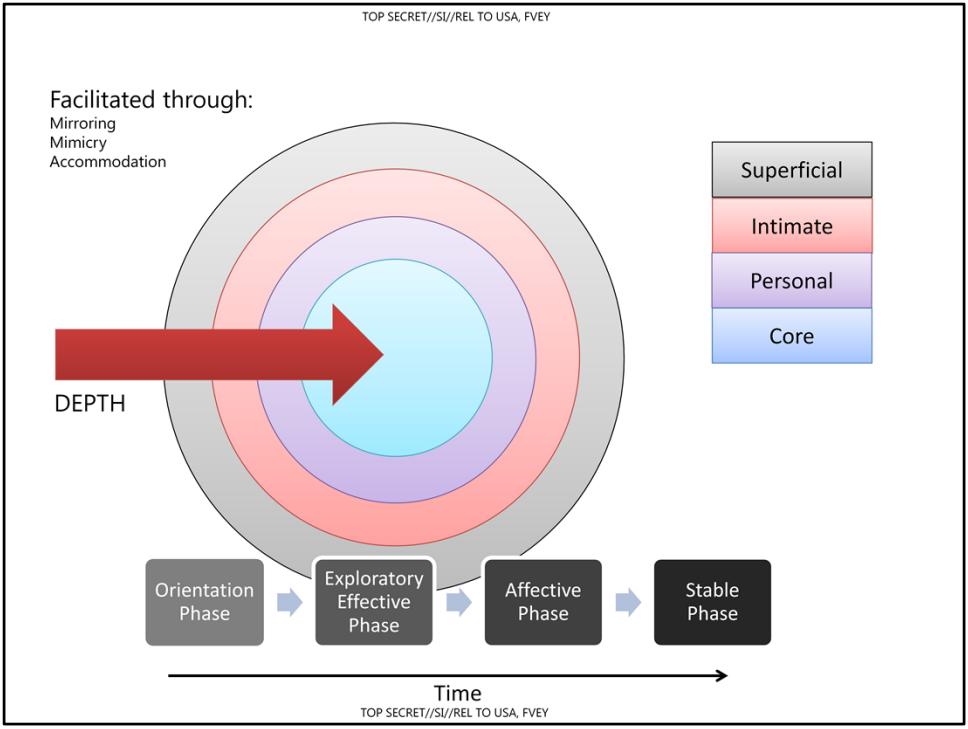


What can we tell?


Liking
Certainty
Disclosure

TOP SECRET//SI//REL TO USA, FVEY



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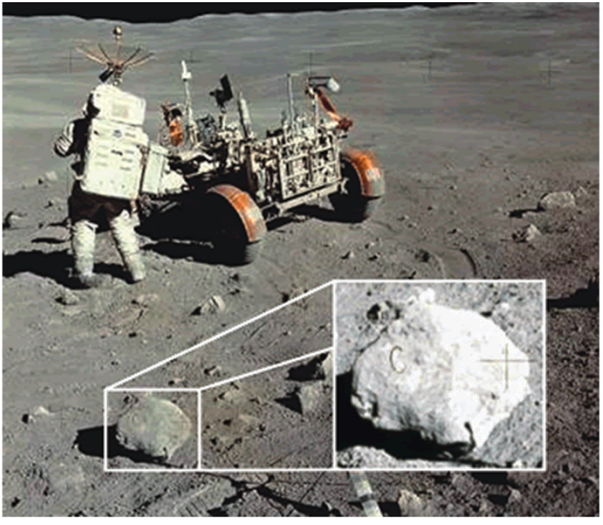

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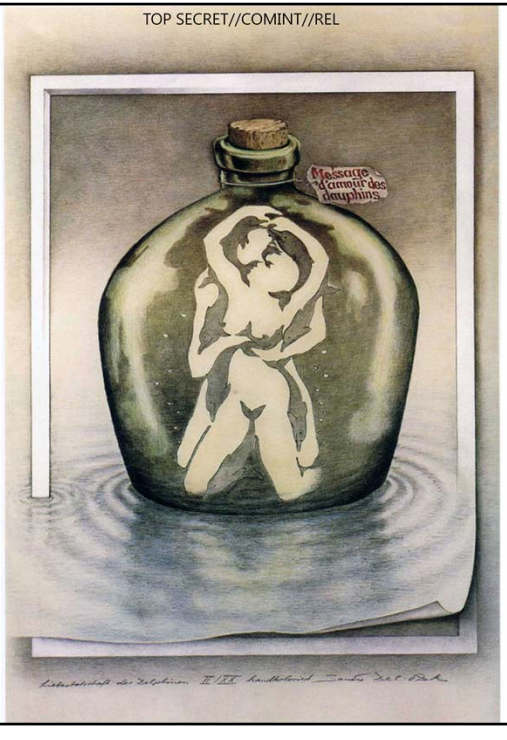
TOP SECRET//COMINT//REL



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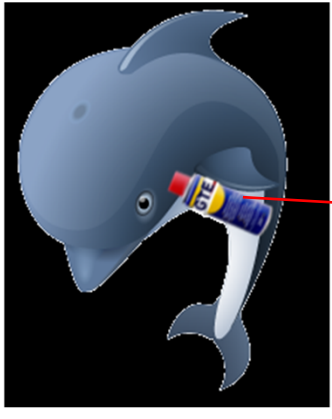
SQUEAKY DOLPHIN



Can SIGDEV ~~help us understand and shape~~ the Human Terrain?

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GTE=Global Telecoms Exploitation, a GCHQ unit that collects data from fiberoptic cables

Signals Development

TOP SECRET//SI//REL TO USA, FVEY

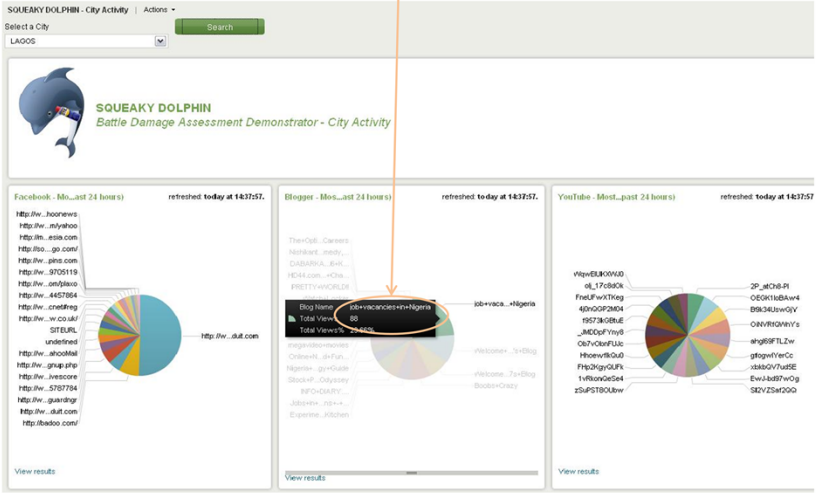
SQUEAKY DOLPHIN

Broad real-time monitoring of online activity of:

- YouTube Video Views
- URLs 'Liked' on Facebook
- Blogspot/Blogger Visits

TOP SECRET//SI//REL TO USA, FVEY

Job Vacancies in Lagos, Nigeria

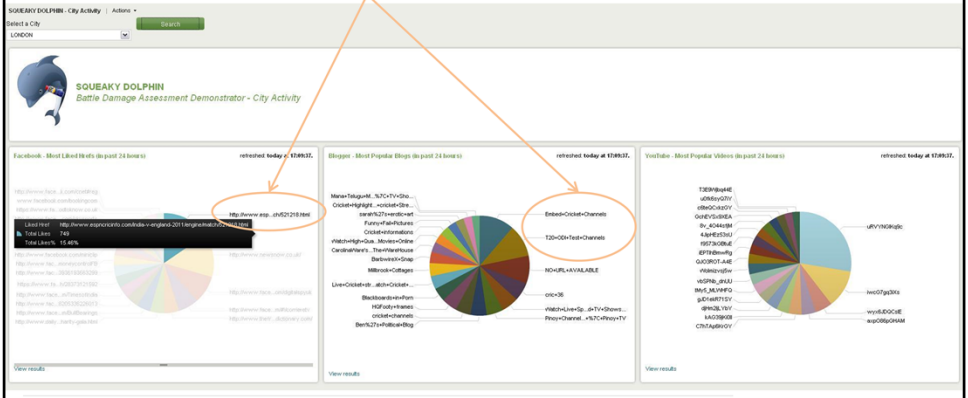


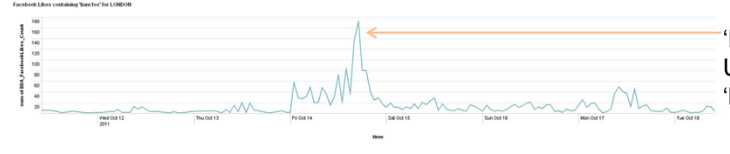
Cricket Related Activities in London, England

Embed+Cricket+Channel

T20+ODI+Test+Channels

ESPN CricInfo India Vs England Page 'Liked'



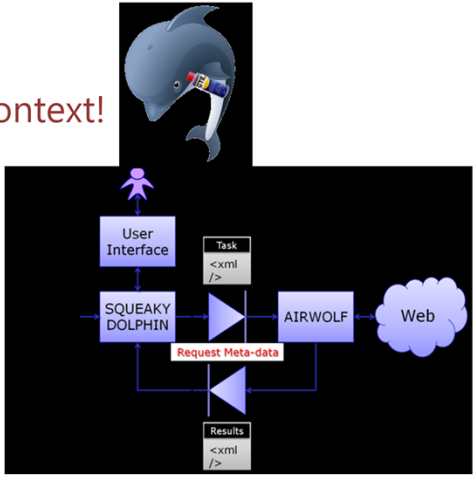


'Facebook' Likes for URLs containing 'liam fox'

So Passive gives us…
Scalability.

But, we don't have context!

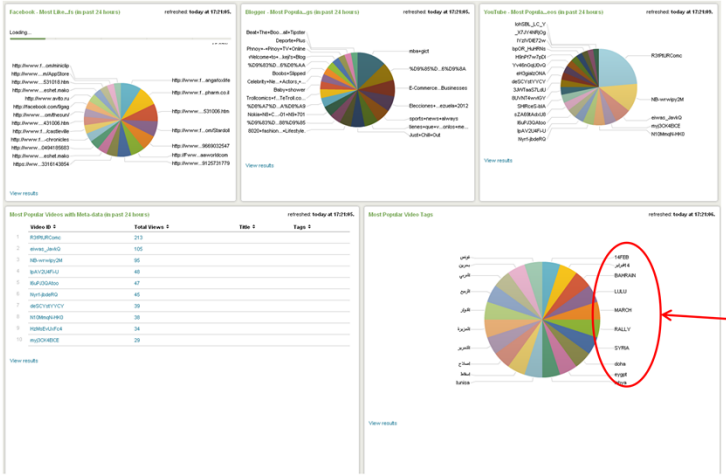
Targeted enrichment is the solution.



TOP SECRET//SI//REL TO USA, FVEY

YouTube

Across the world on 13th February 2012:
the 14th Feb & Syrian Rally

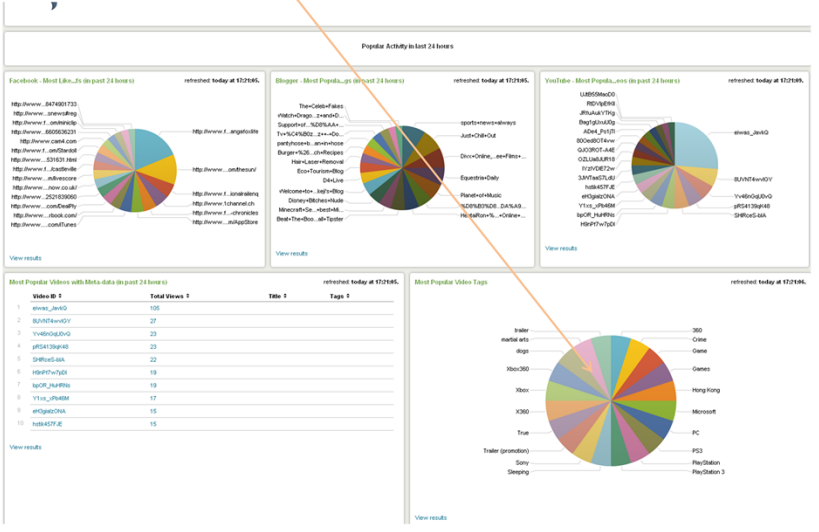


YouTube Tags

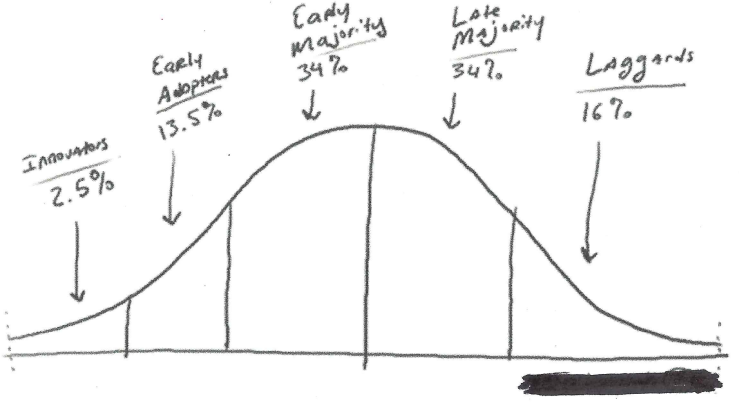
14FEB BAHRAIN MARCH RALLY

TOP SECRET//SI//REL TO USA, FVEY

YouTube Game Trailer in London, England



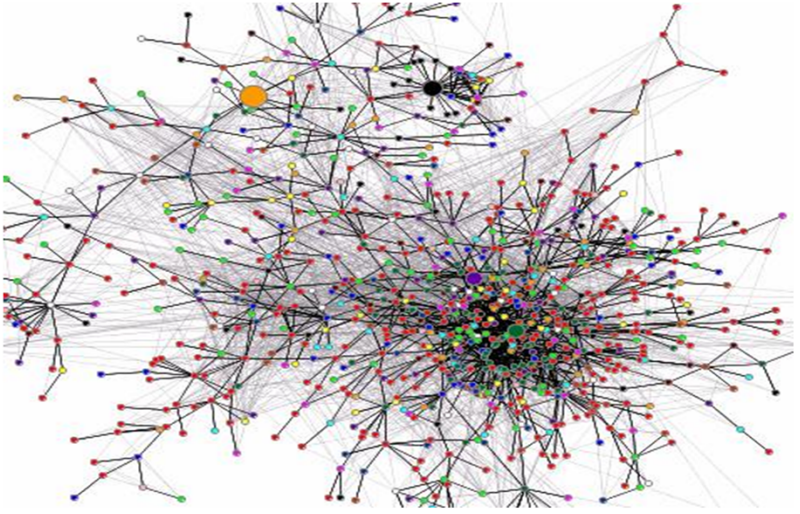
TOP SECRET//SI//REL TO USA, FVEY



HOLLOW POINT

TOP SECRET//SI//REL TO USA, FVEY

TOP SECRET//SI//REL TO USA, FVEY



Optimising Influence

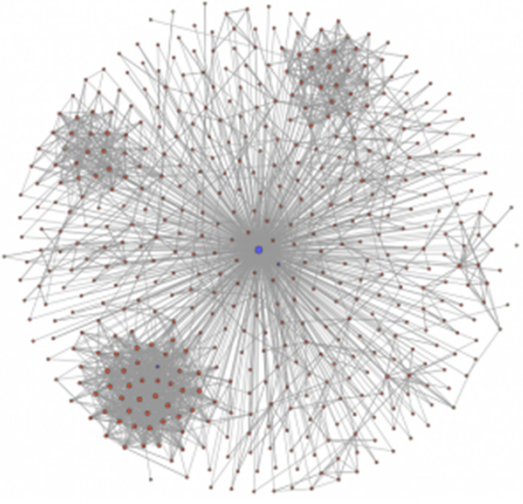
TOP SECRET//SI//REL TO USA, FVEY

TOP SECRET//SI//REL TO USA, FVEY

NEWTONS CAT

TOP SECRET//SI//REL TO USA, FVEY

TOP SECRET//SI//REL TO USA, FVEY



TOP SECRET//SI//REL TO USA, FVEY

TOP SECRET//SI//REL TO USA, FVEY

[redacted] @[redacted] Right on bro
8 hours ago

[redacted] RT @[redacted] @[redacted] Yeah, so true! you mean I should be suspicious of you? or that @[redacted] should be challenged?
10 hours ago

[redacted] @[redacted] Yeah, so true!
10 hours ago

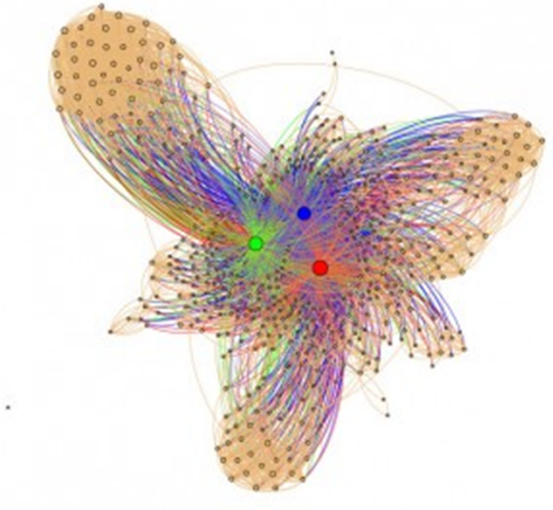
[redacted] RT @[redacted] @[redacted] you might want to be suspcious about [redacted] => what do you say @[redacted] ?
11 hours ago

[redacted] RT @[redacted] @[redacted] auto-alert: am monitoring for spam: @[redacted]
11 hours ago

[redacted] @[redacted] you might want to be suspcious about [redacted]
12 hours ago

[redacted] @[redacted] auto-alert: am monitoring for spam: [redacted]
5 Feb

TOP SECRET//SI//REL TO USA, FVEY



Influence @ Scale

TOP SECRET//SI//REL TO USA, FVEY

TOP SECRET//SI//REL TO USA, FVEY

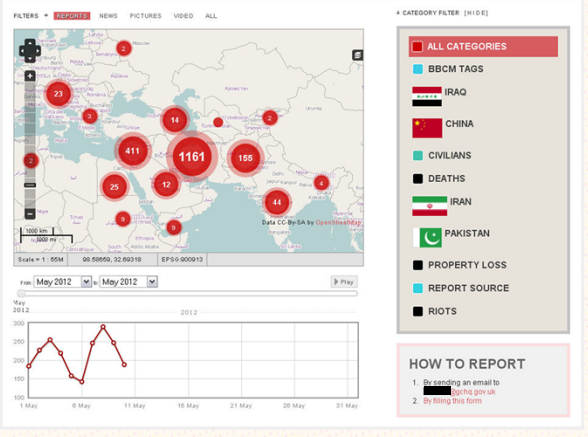
English (US) SEARCH Login

Fire Ant

Open Source Visualisation

SUBMIT A REPORT

HOME REPORTS SUBMIT A REPORT GET ALERTS CONTACT US



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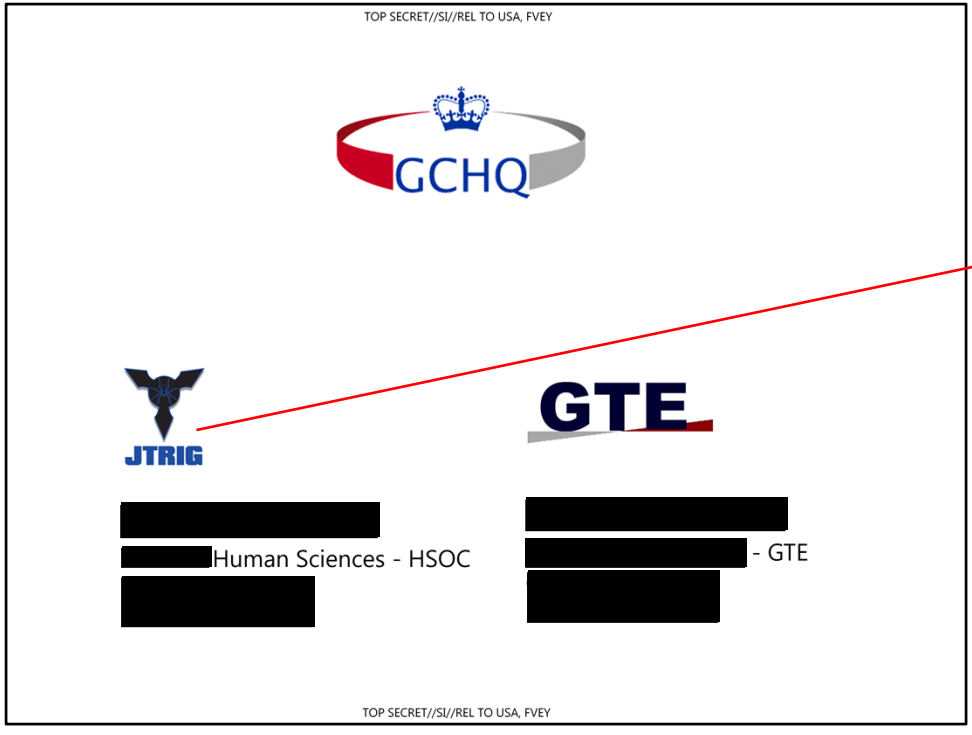
TOP SECRET//SI//REL TO USA, FVEY

TOP SECRET//SI//REL TO USA, FVEY



Joint Threat Research Intelligence Group, a GCHQ unit focused on cyber forensics, investigations and covert operations

These last five pages are from an earlier GCHQ document, from 2010.

UK TOP SECRET STRAP1

Information Operations: The Social Web

Deliver messages and multimedia content across Web 2.0

Crafting messaging campaigns to go 'viral'

This information is exempt under the Freedom of Information Act 2000 (FOIA) and may be exempt under other UK information legislation. Refer any FOIA queries to GCHQ on [redacted] or [redacted]

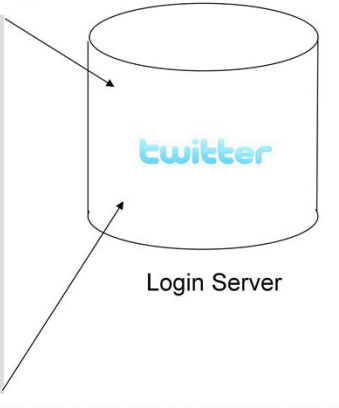
UK TOP SECRET STRAP1

CNIO

Twitter TDI Development

Need SIGINT coverage across protocols,
Not necessarily consistent with *target* SIGDEV priorities

_twitter_sess=BAh7DjoTcGFzc3dvcmRfdG9rZW4iLWFhMGI3ZDk0OTliNTJkOWQzMzMyYTc2%250AOTkyNjM0Y2ZmM2Y5NDNjYmQ6DGNzcmZfaWQiJTZmYjRhNTk5ZDVkMjlkMmFh%250AN2U4ZDczOWM2ZWFmNDc5IidzaG93X2Rpc2NvdmVyYWJpbGl0eV9mb3Jfc29s%250Ab19vbmx5MDoVaW5fbmV3X3VzZXJfZmxvdzA6EXRyYW5zX3Byb21wdDA6CXVz%250AZXJpBAPZMAEiCmZsYXNoSUM6J0FjdGlvbkNvbnRyb2xsZXI6OkZsYXNoOjpG%250AbGFzaEhhc2h7AAY6CkB1c2VkewA6B2lkIiVhZDRlOGM2NmM0ZjRkM2U2NGI5%250AZGZmMGJmOGVjZDg0MjoPY3JlYXRlZF9hdGwrCGWCJS4nAQ%253D%253D--a3894361aa489c2cd51ff326358c92f2e4d39cd8;



This information is exempt under the Freedom of Information Act 2000 (FOIA) and may be exempt under other UK information legislation. Refer any FOIA queries to GCHQ on [redacted] or [redacted]

UK TOP SECRET STRAP1

CNIO

Twitter TDI Development

twitter

Base64 + double encoded URL

```
0000000 004  \b   {  016    :  023    p    a    s    s    w    o    r    d    _    t
0000020   o    k    e    n    "    -    a    a    0    b    7    d    9    4    9    9
0000040   b    5    2    d    9    d    3    3    3    2    a    7    6    9    9    2
0000060   6    3    4    c    f    f    3    f    9    4    3    c    b    d    :   \f
0000100   c    s    r    f    _    i    d    "    %    6    f    b    4    a    5    9
0000120   9    d    5    d    2    9    d    2    a    a    7    e    8    d    7    3
0000140   9    c    6    e    a    f    4    7    9    "    '    s    h    o    w    _
0000160   d    i    s    c    o    v    e    r    a    b    i    l    i    t    y    _
0000200   f    o    r    _    s    o    l    o    _    o    n    l    y    0    :  025
0000220   i    n    _    n    e    w    _    u    s    e    r    _    f    l    o    w
0000240   0    :  021    t    r    a    n    s    _    p    r    o    m    p    t    0
0000260   :   \t    u    s    e    r    i  004  003  331    0  001    "   \n    f    l
0000300   a    s    h    I    C    :    '    A    c    t    i    o    n    C    o    n
0000320   t    r    o    l    l    e    r    :    :    F    l    a    s    h    :    :
0000340   F    l    a    s    h    H    a    s    h    {   \0  006    :   \n    @    u
0000360   s    e    d    {   \0    :  007    i    d    "    %    a    d    4    e    8
0000400   c    6    6    c    4    f    4    d    3    e    6    4    b    9    d    f
0000420   f    0    b    f    8    e    c    d    8    4    2    :  017    c    r    e
0000440   a    t    e    d    _    a    t    l    +   \b    e  202    %    .    '  001
0000460
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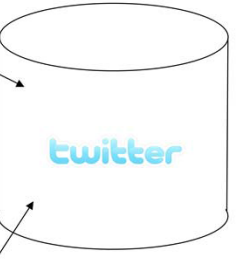

Login Server

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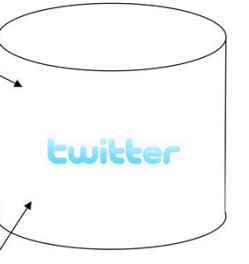
UK TOP SECRET STRAP1

CNIO

Twitter TDI Development

PPF application across 10G Environment

1272671024 **81.169.145.25**
128.242.240.20 6 55489 80 Login-twitter.com 31 **solo_only@twitter.com**
TDI-Scope 4 User Route 13
81.169.145.25 HHFP-Hash 8 38
4646d4 User-Agent 52 Twitter Tools
Geo-IP-Src 28
49.00;8.39;**KARLSRUHE;DE**;5MVV
Geo-IP-Dst 33 39.0062;-77.4288;STERLING;U
S;7LLM Event-security-label 6 10007F
Stream-security-label 10 400023E0FF



Millions of events per day feeding BLACKHOLE

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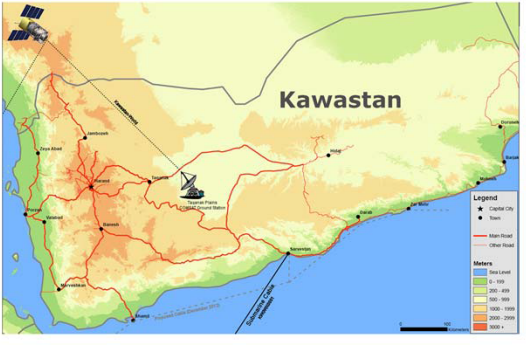
UK TOP SECRET STRAP1

CNIO

Twitter TDI Development



Given a country:

Who are the top Twitter Users?

Or given a user:

Are they really in Kawestan?

SIGDEV augments the IO process to aid targeting and takeup of message

This information is exempt under the Freedom of Information Act 2000 (FOIA) and may be exempt under other UK information legislation. Refer any FOIA queries to GCHQ on [redacted] or [redacted]