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.
100bn
Psychology 101 concepts illustrated:

- Extrovert
- Introvert
Human Science?
What can we tell?
SQUEAKY DOLPHIN

Can SIGDEV help us understand and shape the Human Terrain?

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

Signals Development
SQUEAKY DOLPHIN

Broad real-time monitoring of online activity of:

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

Explain concept of SQUEAKY DOLPHIN – what we are monitoring, not interested in individuals just broad trends!
Explain screen grab, and describe some interesting examples.
Explain screen grab, and describe some interesting examples.
Explain the importance of context, and how passive is only part of the story. Need context to do effective BDA – passive doesn’t always provide this.
You Tube
Across the world on 13th February 2012: the 14th Feb & Syrian Rally

YouTube Tags
14FEB BAHRAIN MARCH RALLY
YouTube Game Trailer in London, England
NEWTONS CAT
Influence @ Scale
Joint Threat Research Intelligence Group, a GCHQ unit focused on cyber forensics, investigations and covert operations.
Information Operations: The Social Web

Deliver messages and multimedia content across Web 2.0

Crafting messaging campaigns to go ‘viral’
CNIO
Twitter TDI Development

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

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.
CNIO
Twitter TDI Development

Base64 + double encoded URL

Login Server

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CNIO
Twitter TDI Development

PPF application across 10G Environment

127.267.102.4 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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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

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