Psychology
A New Kind of SIGDEV
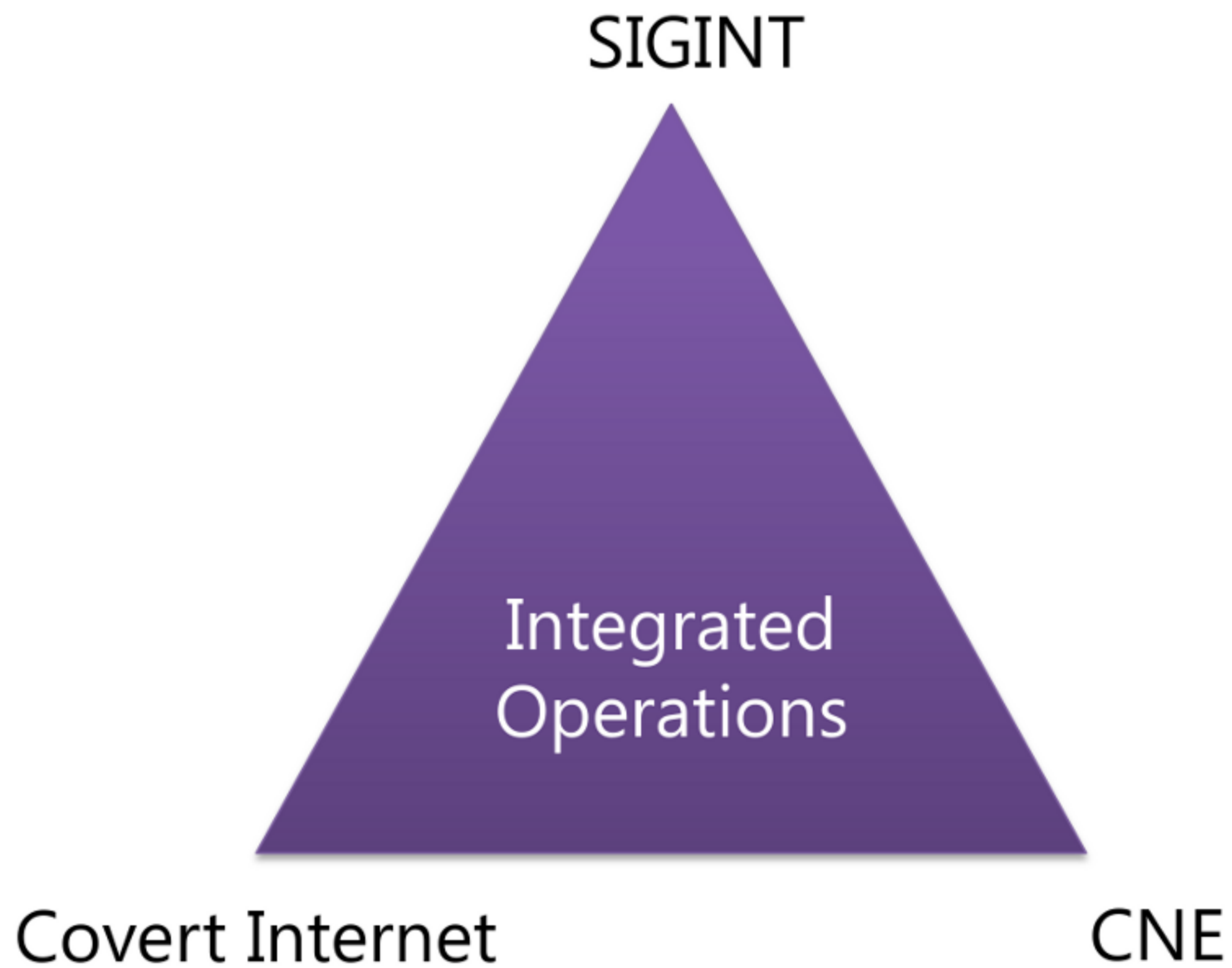
Establishing the Human Science Operations Cell

100bn

SIGINT

Integrated
Operations

Covert Internet   CNE

JTRIG
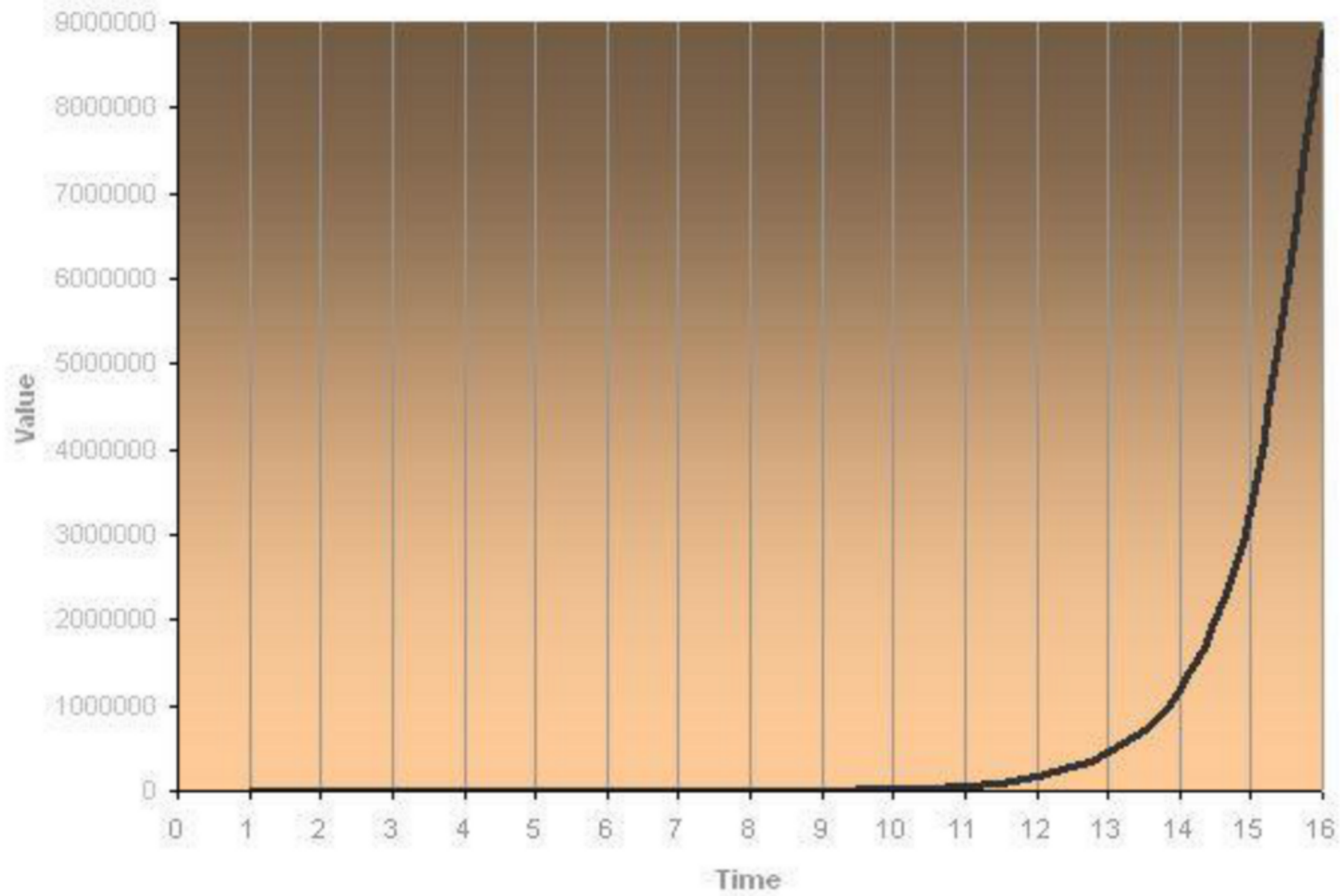
Online HUMINT

Strategic Influence

Disruption and CNA

Human Science?

SOCIOLOGY

ANTHROPOLOGY

PSYCHOLOGY

ECONOMICS

HISTORY

POLITICAL SCIENCE

BIOLOGY

Culture

Ethnography

Deception

Influence

ANTHROPOLOGY

Ethnography

Magic

PSYCHOLOGY

SOCIOLOGY

Personality

Compliance

Trust

Obedience

Elicitation

ECONOMICS

Social Networks

Belief

HISTORY

Religion

BIOLOGY

Key Leader Engagement

POLITICAL SCIENCE

Neuroscience

Global Trends

Evolutionary Biology
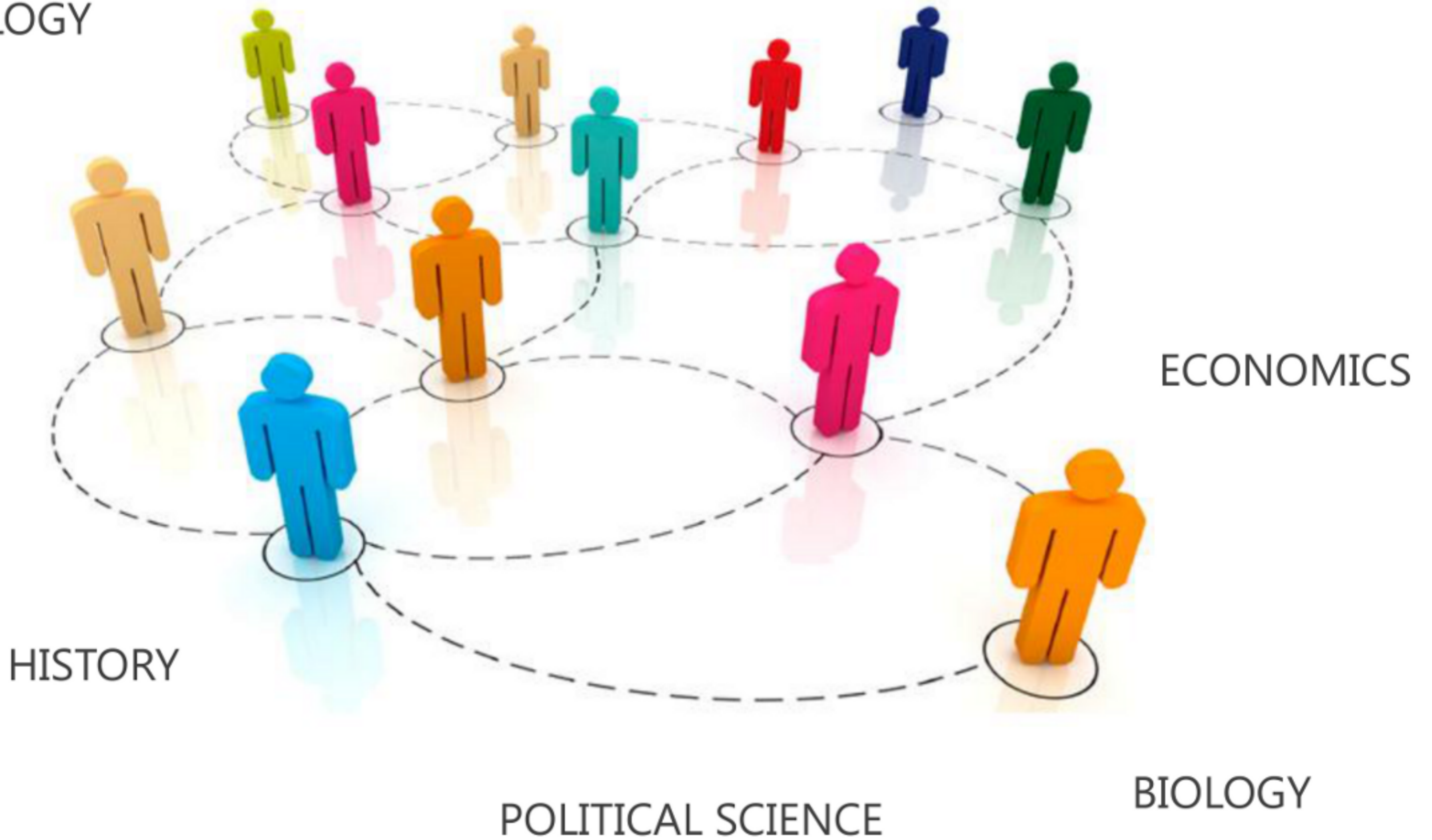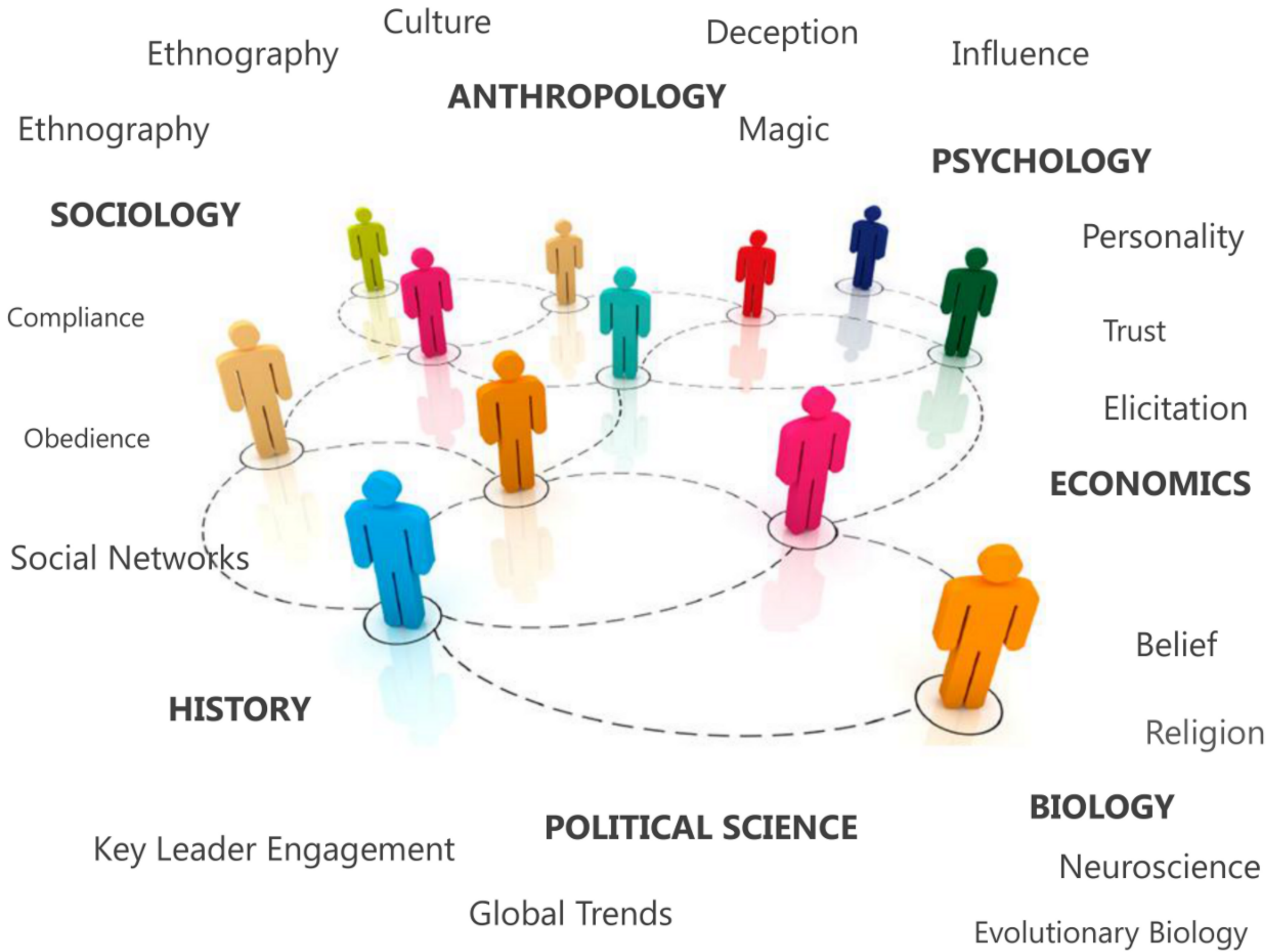
S4

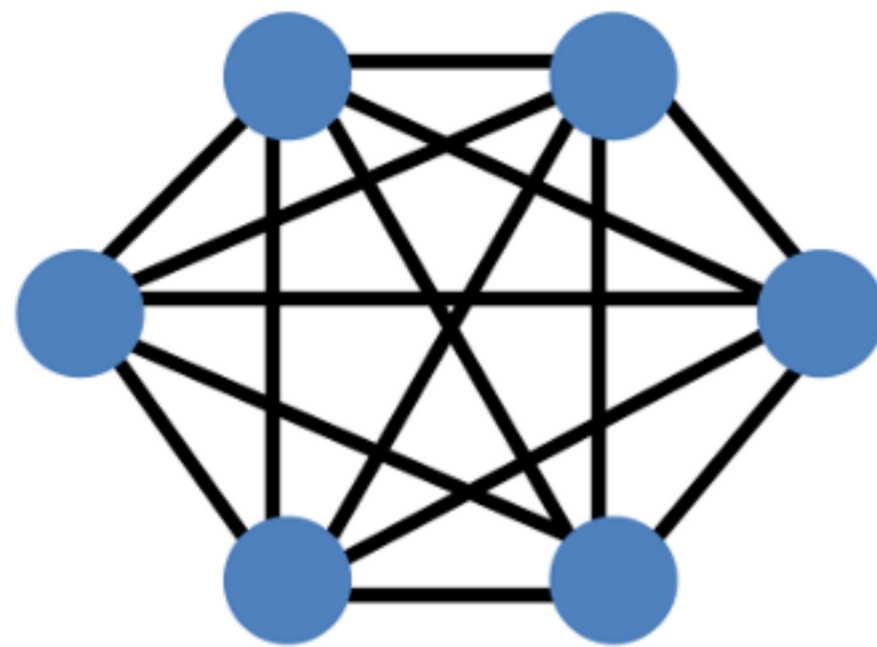SCIENCE | SIGINT

SKILLS | SYSTEMS

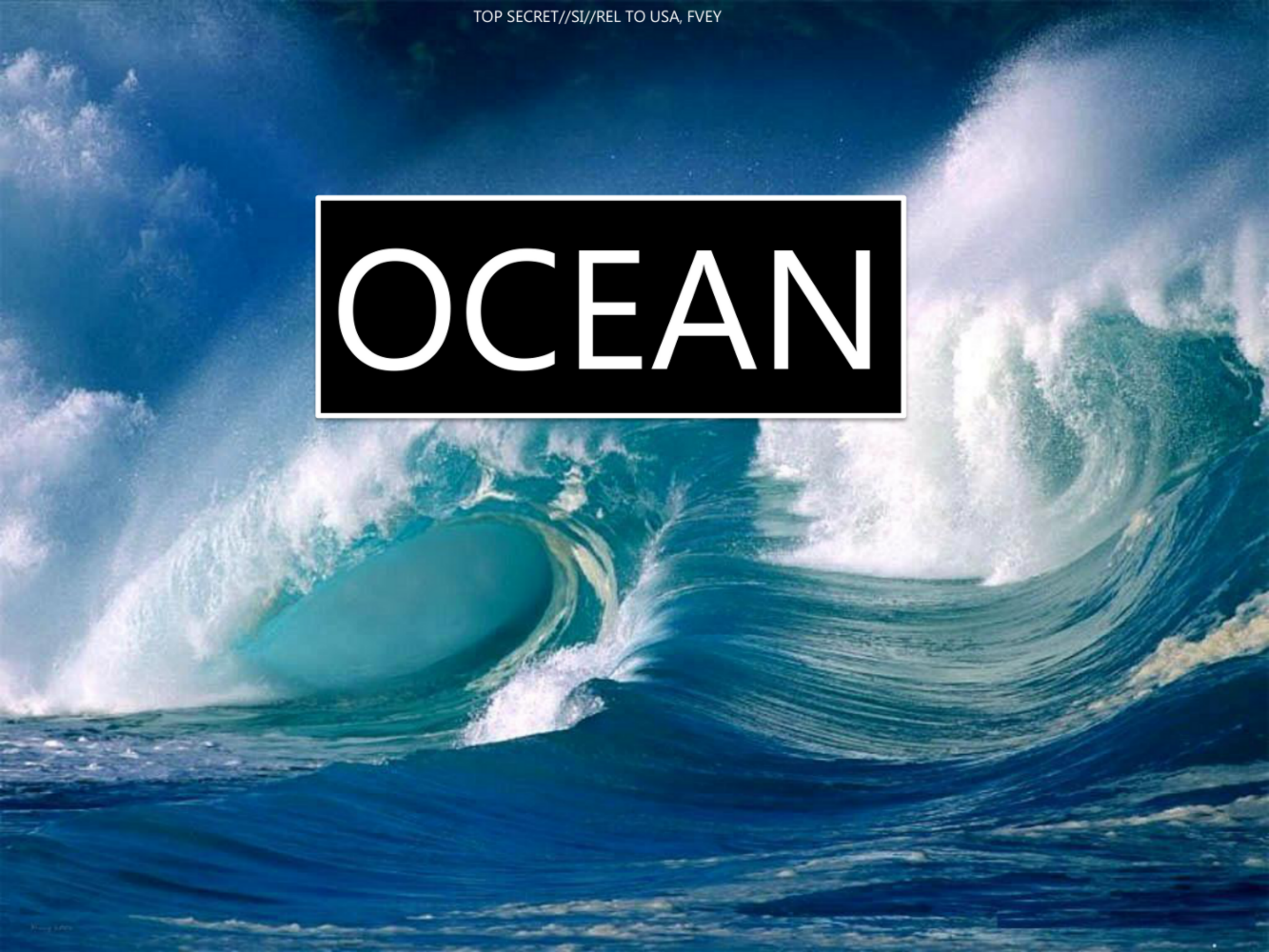Individuals

Groups

Socio-Cultural

OCEAN

OCEAN

Openness   Contentiousness   Extroversion

Agreeableness   Neuroticism

VS

What can we tell?

Liking

Certainty

Disclosure
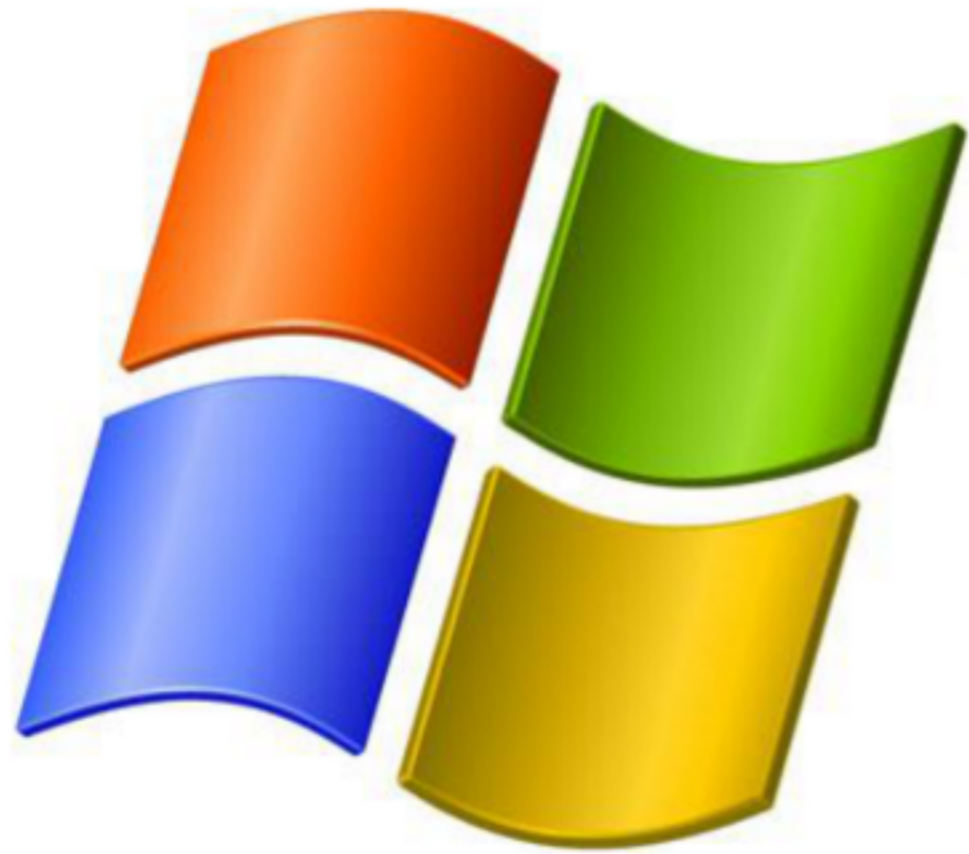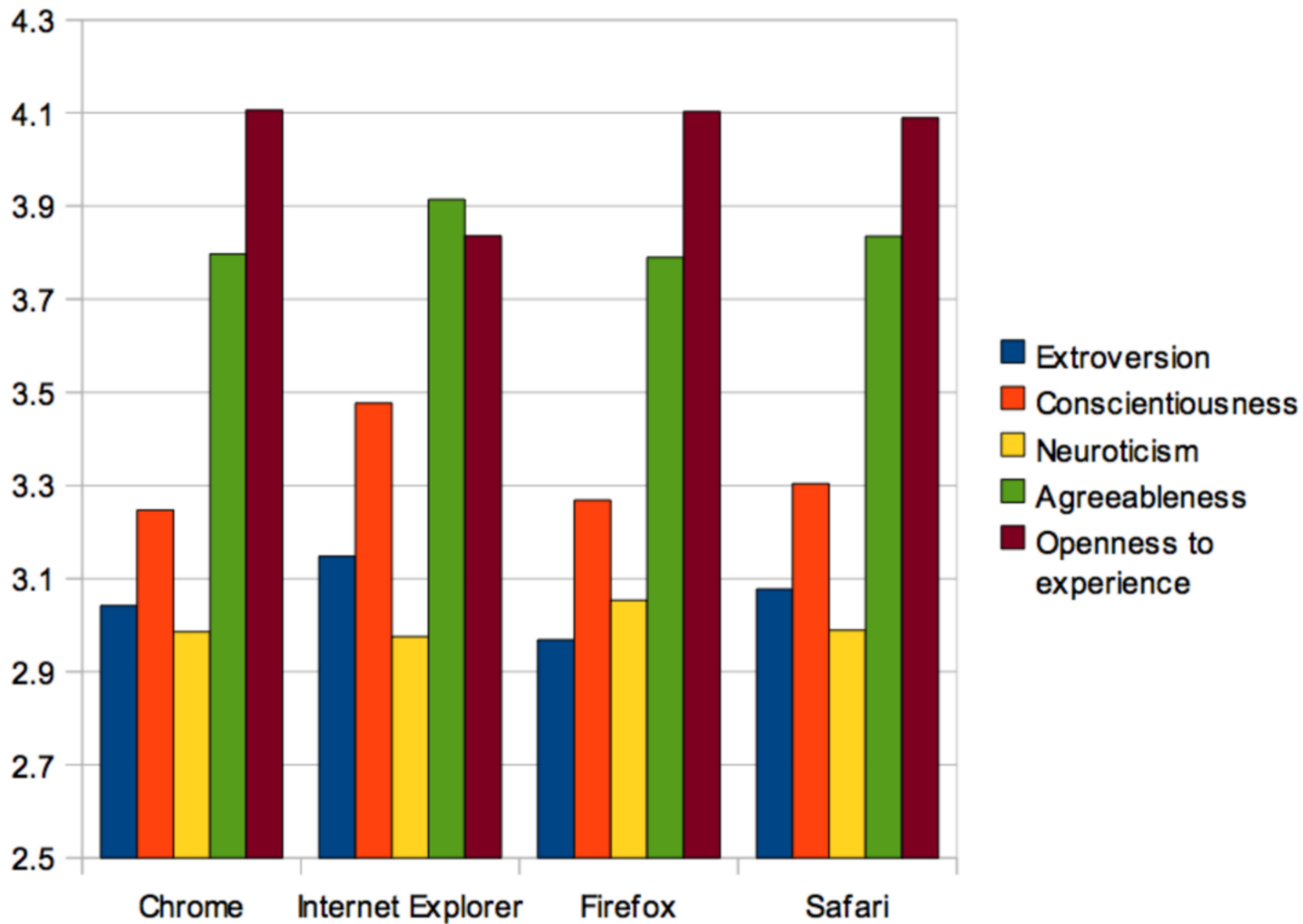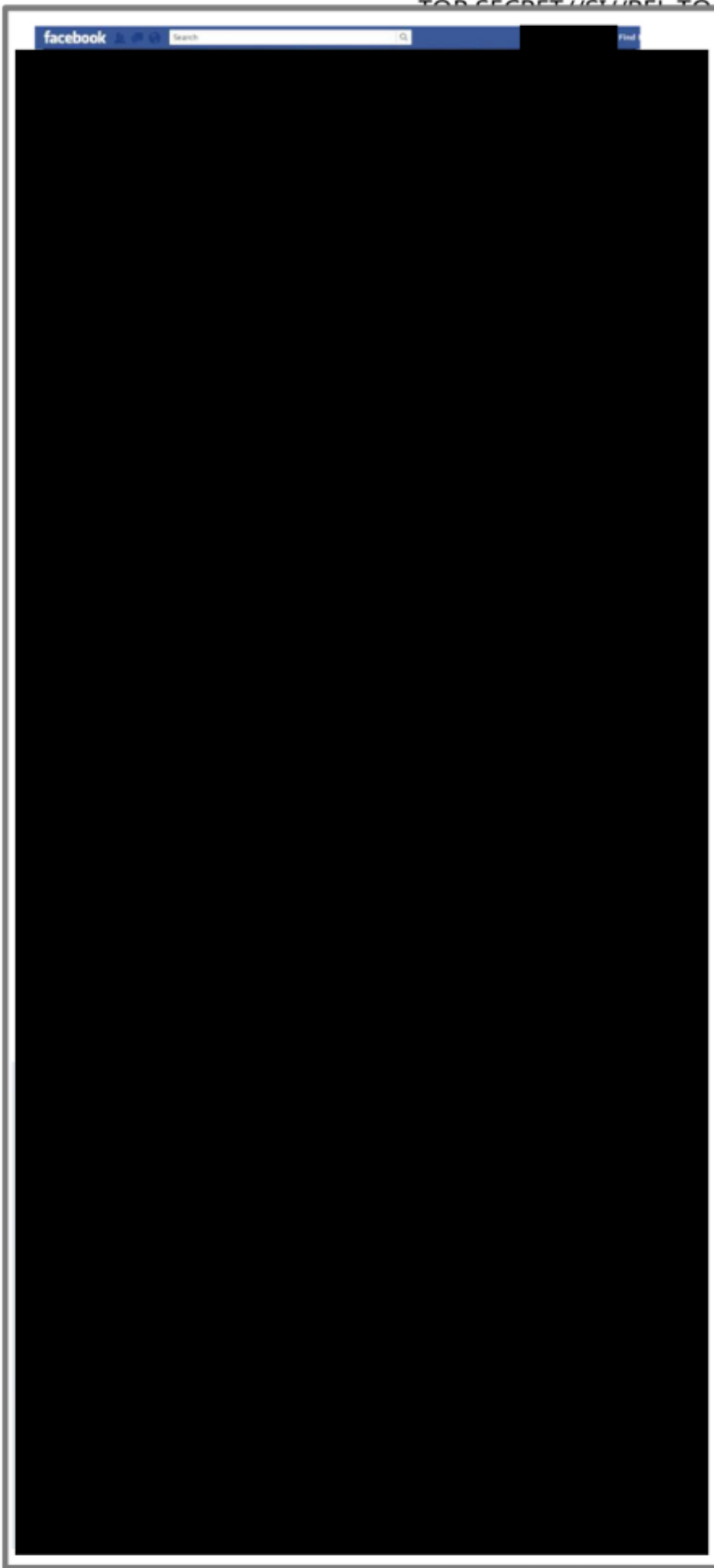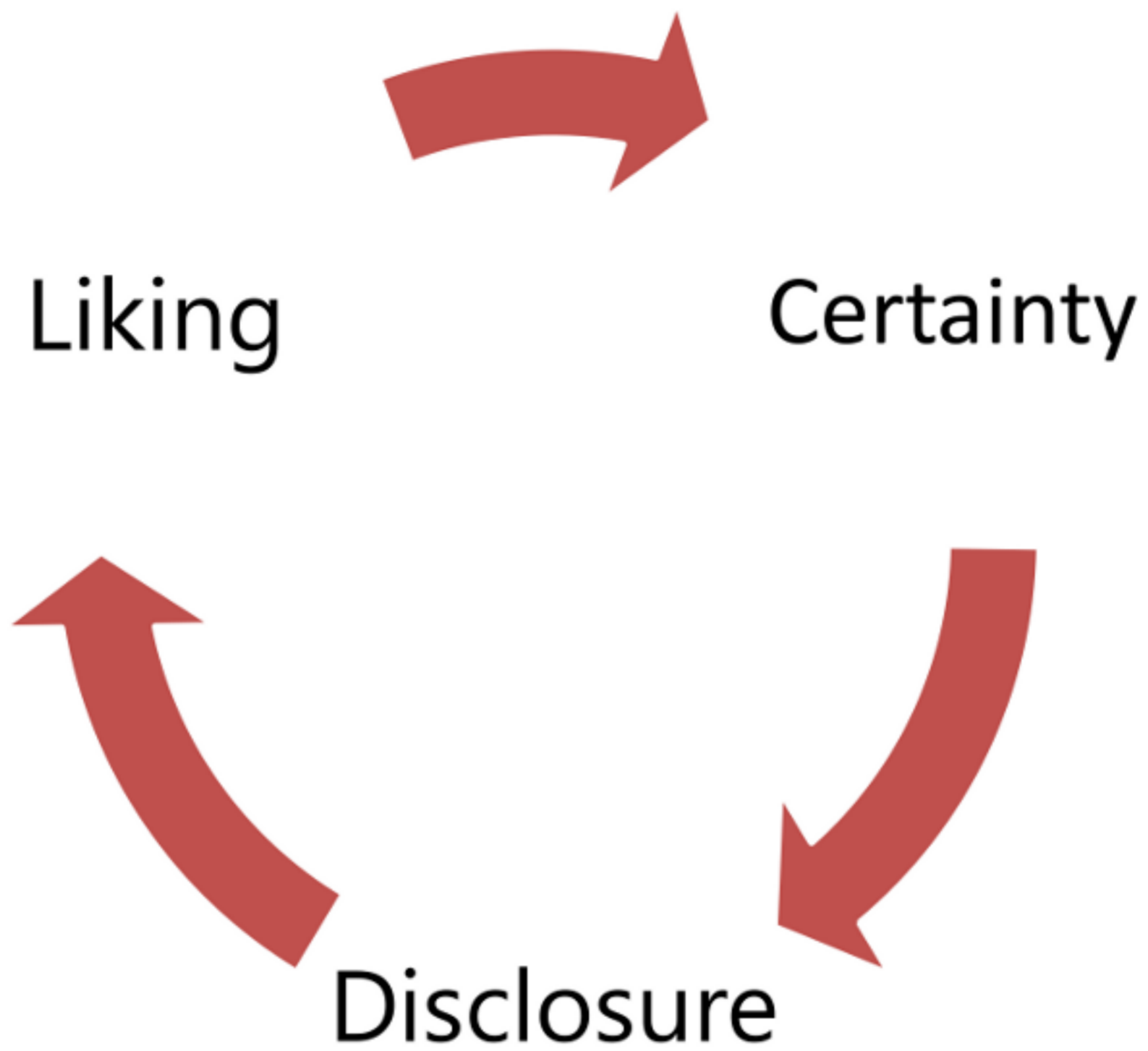
Facilitated through:
Mirroring
Mimicry
Accommodation
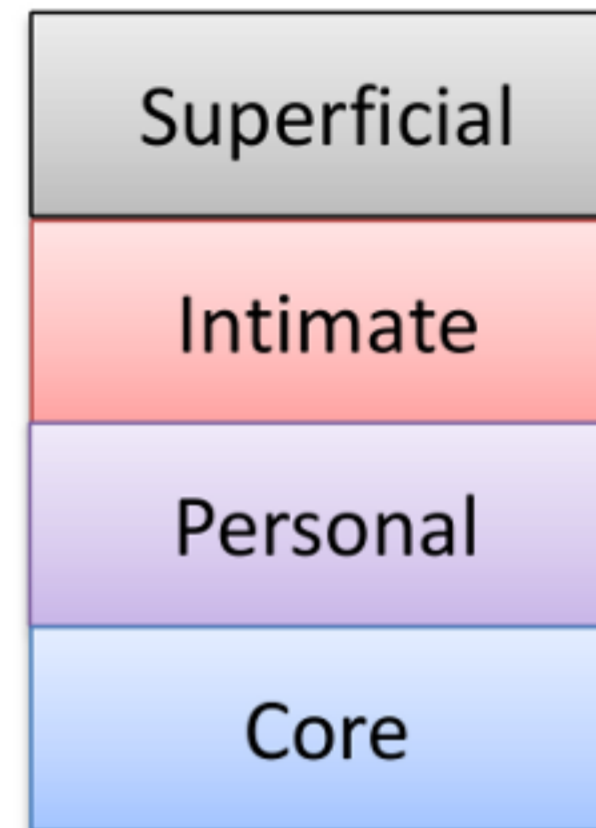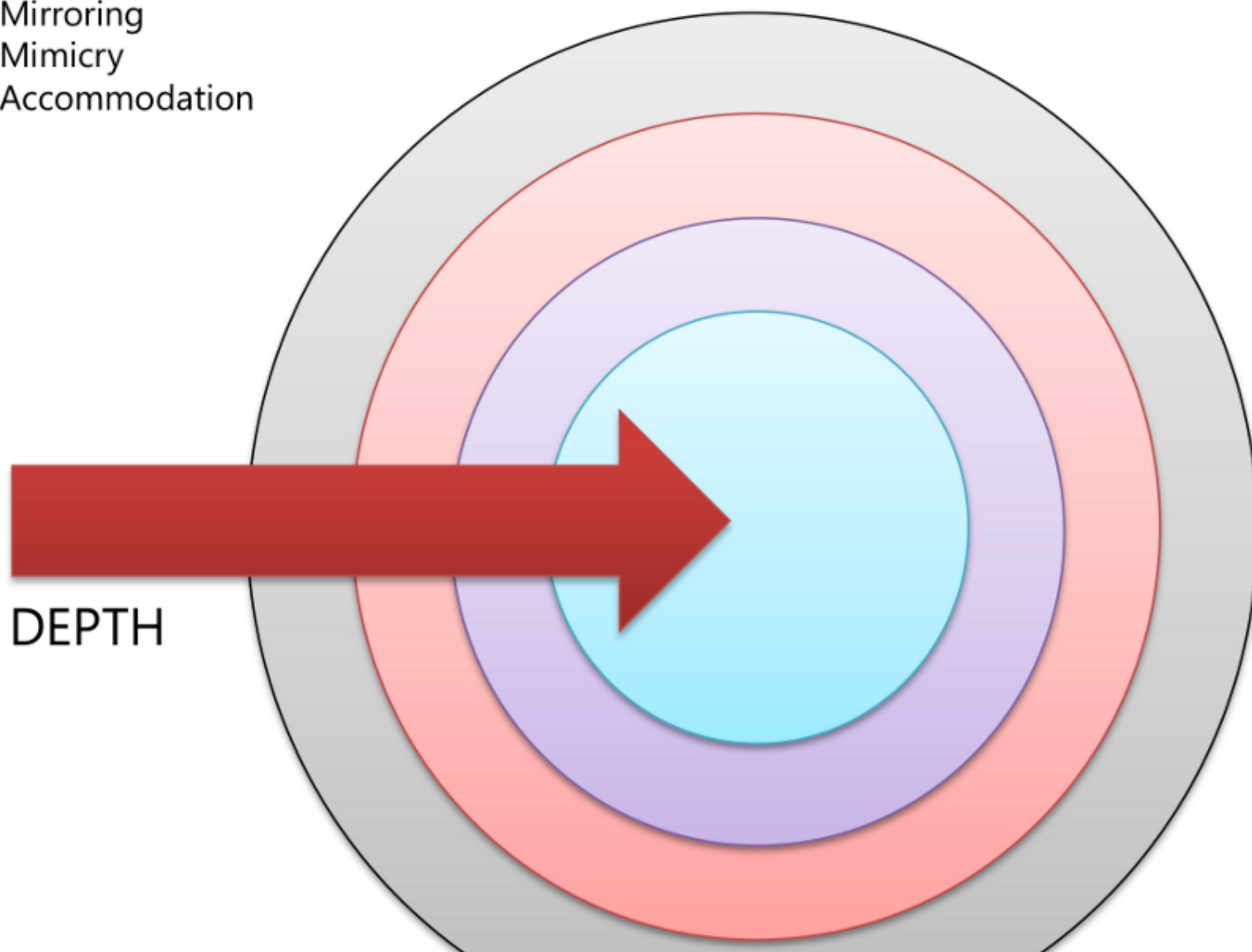
DEPTH

Superficial

Intimate

Personal

Core

Orientation Phase → Exploratory Effective Phase → Affective Phase → Stable Phase

Time

Message d'amour des dauphins
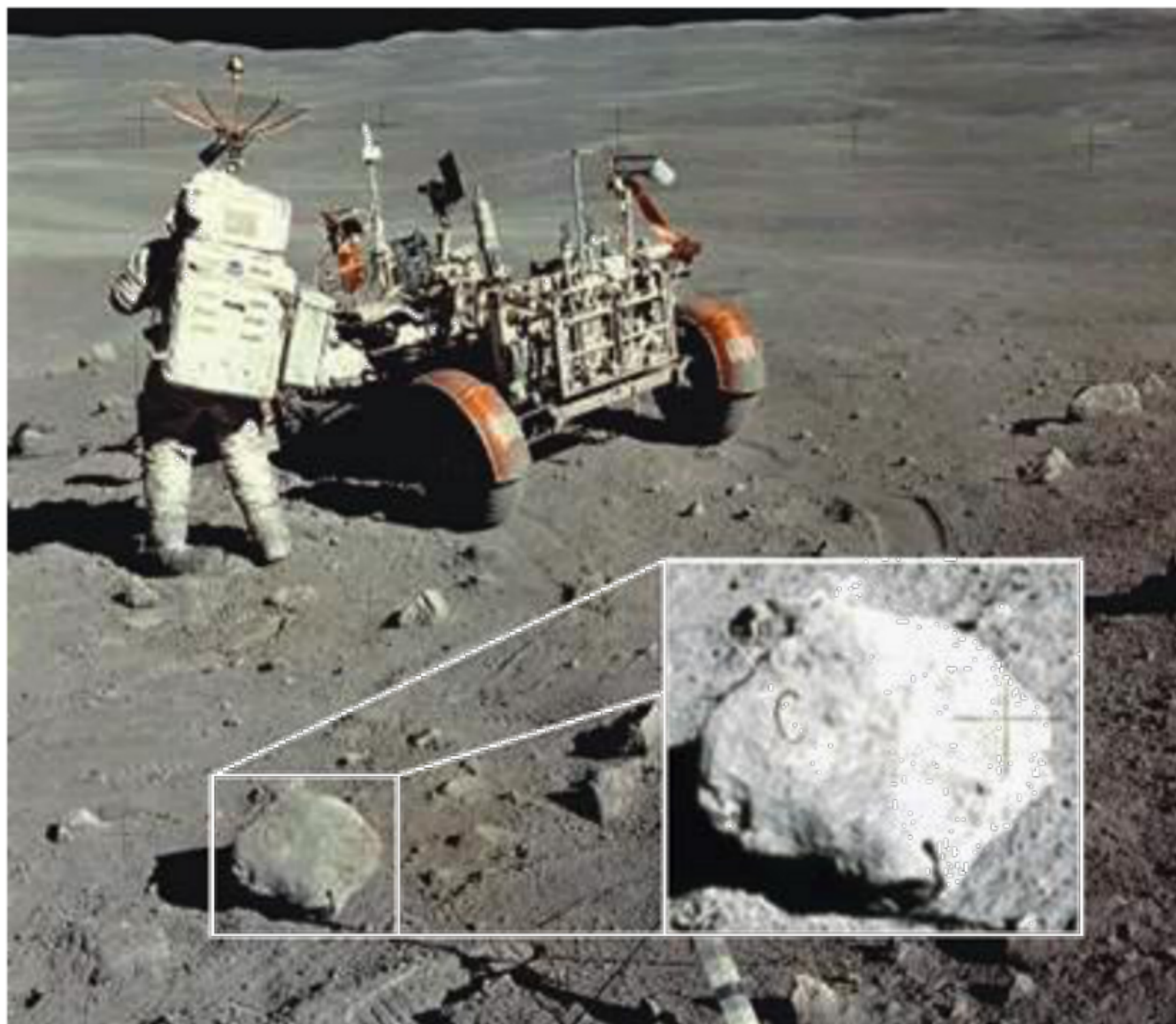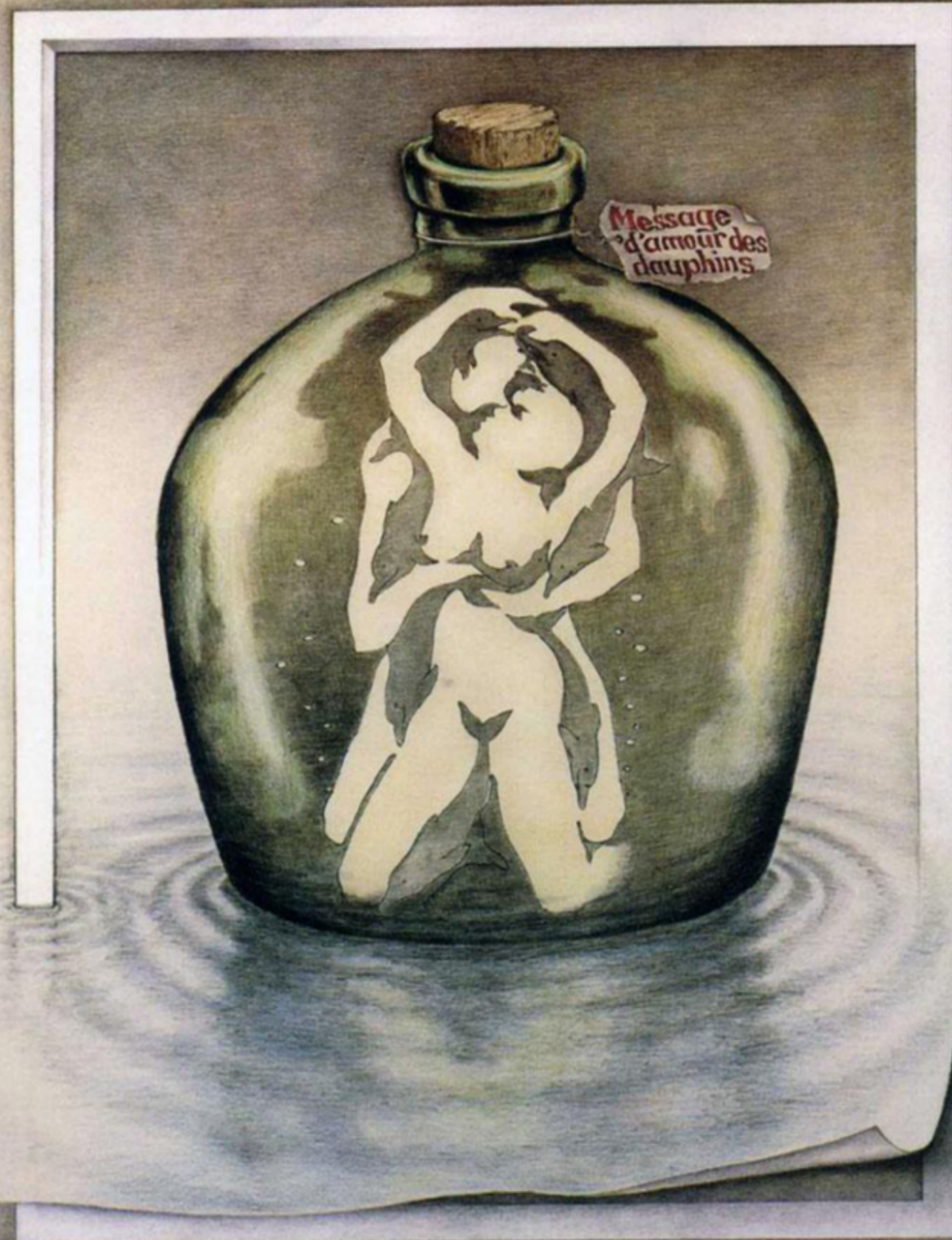
SQUEAKY DOLPHIN

Can SIGDEV help us understand and shape the Human Terrain?

SQUEAKY DOLPHIN

Broad real-time monitoring of online activity of:

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

Passive → STREAMING ANALYTICS via DISTILLERY → Real-time Splunk Dashboard

Job Vacancies in Lagos, Nigeria

SQUEAKY DOLPHIN - City Activity | Actions ▾

Select a City

LAGOS

Search

SQUEAKY DOLPHIN
Battle Damage Assessment Demonstrator - City Activity

Facebook - Mo...ast 24 hours) refreshed: **today at 14:37:57.**
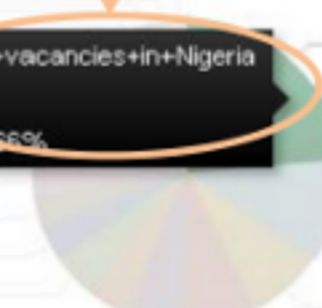
http://w...hoonews
http://w...m/yahoo
http://m...esia.com
http://so....go.com/
http://w...pins.com
http://w...9705119
http://w...om/plaxo
http://w...4457864
http://w...cnet#reg
http://w...w.co.uk/
SITEURL
undefined
http://w...ahooMail
http://w...gnup.php
http://w...ivescore
http://w...5787784
http://w...guardngr
http://w...duit.com
http://badoo.com/

http://w...duit.com

View results

Blogger - Mos...ast 24 hours) refreshed: **today at 14:37:57.**
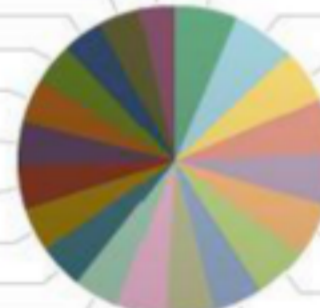
The+Opti...Careers
Nishikant...medy,...
DABARKA...6+K...
HD44.com...+Cha...
PRETTY+WORLD!...
...tcbid_pokt...
megavideo+movies
Online+N...d+Fun...
Nigeria+...gy+Guide
Stock+P...Odyssey
INFO+DIARY...
Jobs+in+...ns+-+...
Experime...Kitchen

Blog Name	job+vacancies+in+Nigeria
Total Views	88
Total Views%	23.56%

job+vaca...+Nigeria

Welcome+...'s+Blog
Welcome...7s+Blog
Boobs+Crazy

View results

YouTube - Most...past 24 hours) refreshed: **today at 14:37:57**

WqwEIUIKXWJ0
olj_17c8dOk
FneUFwXTKeg
4j0nQGP2M04
f9573kGBtuE
_JMDDpFYny8
Ob7vOlonFUJc
HhoewflkQu0
FHp2KgyQUFk
1vRkonQeSe4
zSuPST8OUbw

2P_atCh8-Pl
OEGK1loBAw4
B9k34UswGjV
OiNVRfGWhnYs
ahgl69FTLZw
gfogwlYerCc
xbkbQV7ud5E
EwJ-bd97wOg
Sl2VZSaf2QQ

View results

Cricket Related
Activities in
London, England

Embed+Cricket+Channel

T20+ODI+Test+Channels

**ESPN CricInfo India Vs England
Page 'Liked'**
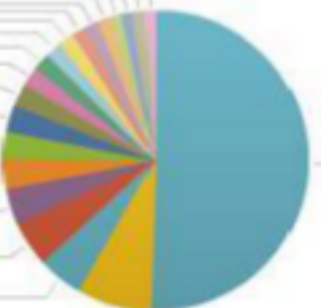

SQUEAKY DOLPHIN - City Activity | Actions ▾

Select a City

LONDON

Search

SQUEAKY DOLPHIN
Battle Damage Assessment Demonstrator - City Activity

Facebook - Most Liked Hrefs (in past 24 hours)   refreshed: today at 17:09:37.

http://www.face...k.com/netifreg
www.facebook.com/bookings
https://www.fa...odtoknow.co.uk
                                                    http://www.esp...ch/521218.html
Liked Href   http://www.espncricinfo.com/india-v-england-2011/engine/match/521218.html
Total Likes   749
Total Likes%   15.46%

http://www.facebook.com/miniclip
http://www.fac...moneycontrolFB   http://www.newsnow.co.uk/
http://www.fac...3936193563299
https://www.fa...bl28373121592
http://www.face...n/TimesofIndia   http://www.face...on/digitalspyuk
http://www.fac...820533622601S
http://www.fac...n/BullBearings   http://www.face...m/R/contentiv/
http://www.daily...harity-gala.html   http://www.thetr...dictionary.com/

View results

Blogger - Most Popular Blogs (in past 24 hours)   refreshed: today at 17:09:37.

Mana+Telugu+M...%7C+TV+Sho...
Cricket+Highlight...+cricket+Stre...
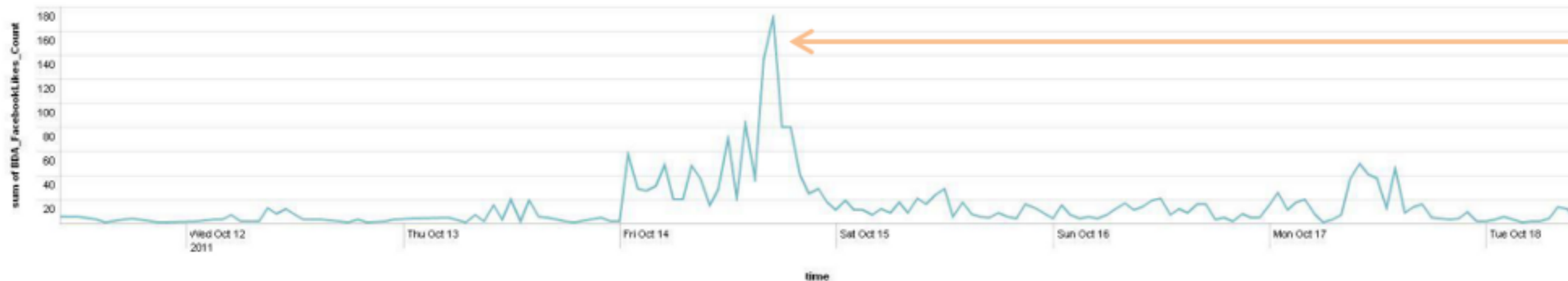sarah%27s+erotic+art
Funny+Fail+Pictures
Cricket+informations
vWatch+High+Qua...Movies+Online
CarolinaVare's...The+WareHouse
BarbwireX+Snap
Millbrock+Cottages
Live+Cricket+str...atch+Cricket+...
Blackboards+in+Porn
HQFooty+frames
cricket+channels
Ben%27s+Political+Blog

                                                    Embed+Cricket+Channels
                                                    T20+ODI+Test+Channels
                                                    NO+URL+AVAILABLE
                                                    cric+36
                                                    vWatch+Live+Sp...d+TV+Shows...
                                                    Pinoy+Channel...+%7C+Pinoy+TV

View results

YouTube - Most Popular Videos (in past 24 hours)   refreshed: today at 17:09:37.

T3E9Wjbq44E
u0fk6syQ7lY
c6teQCxkzGY
GchEVSx9XEA
8v_4O44sfjM
4JipHEz53sU
f9573kGEtuE
iEPTIhBmwRg
QJO3ROT-A4E
Wolmizvsj5w
vbSPNb_dnUU
BMy5_MLWHFQ
gJD1ekR71SY
djHm2tjLYbY
kAG39jK0Il
C7hTAp6KrGY

                                                    uRVYNQiKq9c
                                                    iwcG7gq3IXs
                                                    wyx6JDQCstE
                                                    axpO86pGHAM

View results

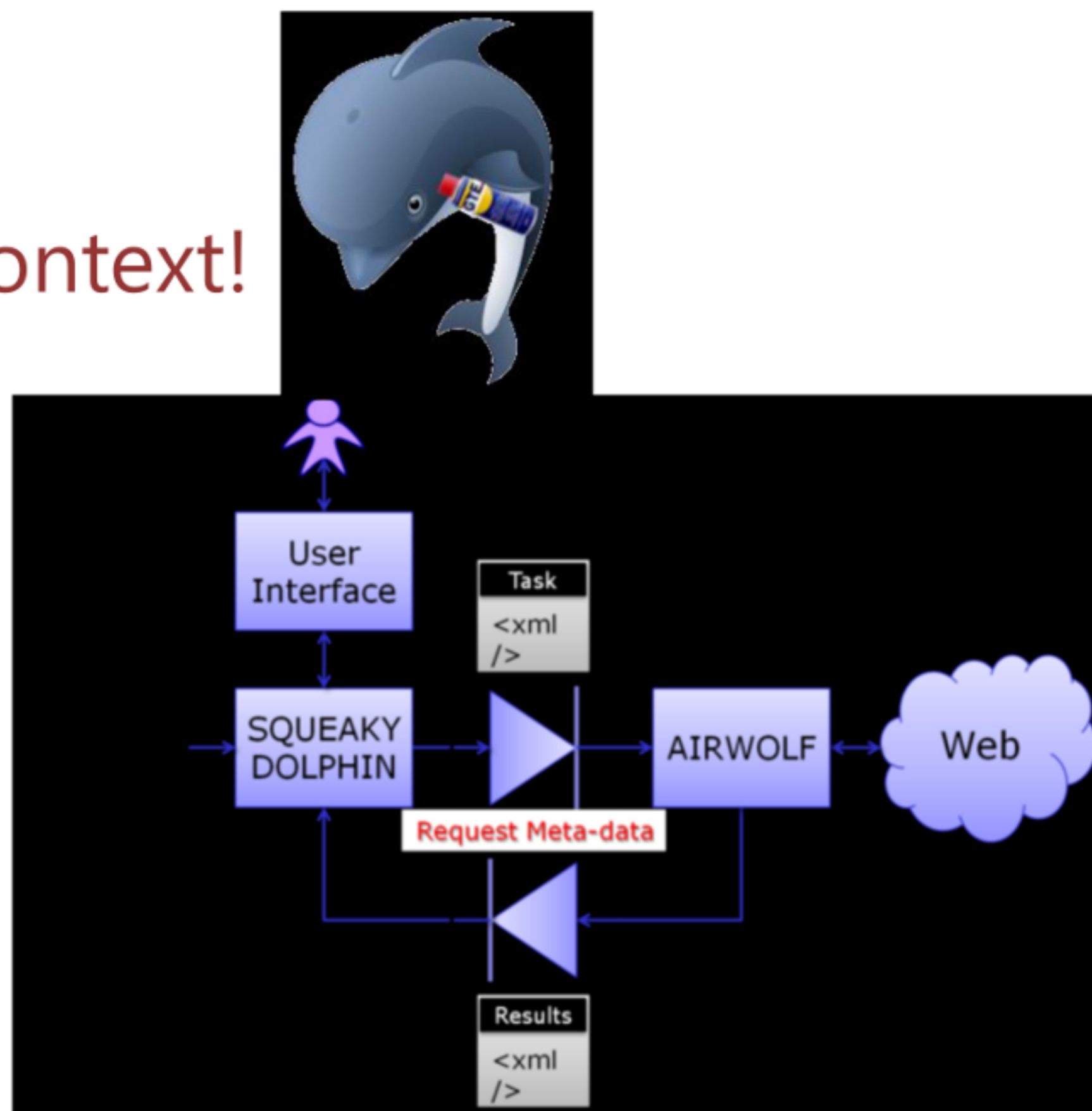Facebook Likes containing 'liam fox' for LONDON

'Facebook' Likes for
URLs containing
'liam fox'

So Passive gives us...
Scalability.

But, we don't have context!

Targeted enrichment is the solution.

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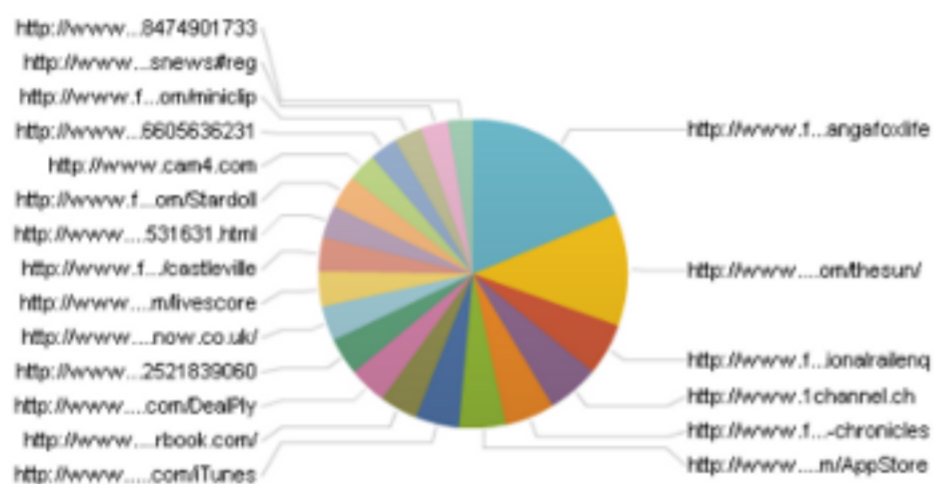

YouTube Tags

14FEB BAHRAIN MARCH RALLY

YouTube Game Trailer in London, England

Popular Activity in last 24 hours

Facebook - Most Like...fs (in past 24 hours)
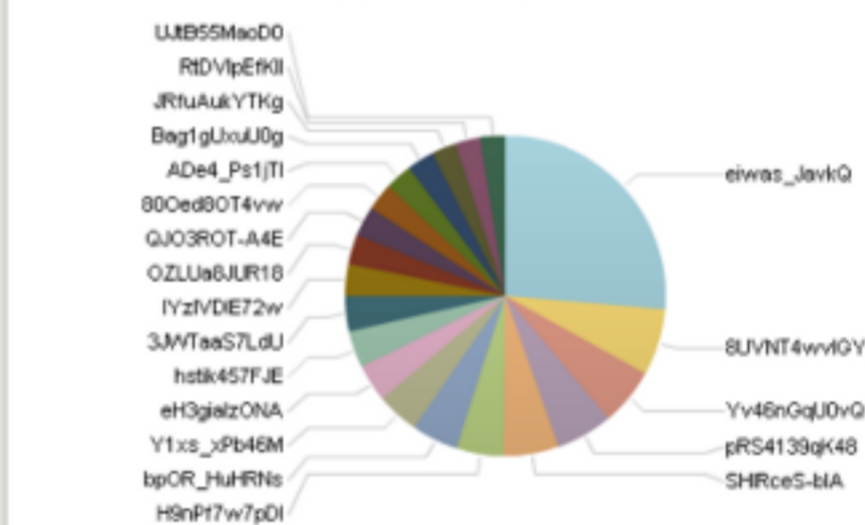refreshed: **today at 17:21:05.**

http://www...8474901733
http://www...snews#reg
http://www.f...om/miniclip
http://www...6605636231
http://www.cam4.com
http://www.f...om/Stardoll
http://www...531631.html
http://www.f..../castleville
http://www...mlivescore
http://www...now.co.uk/
http://www...2521839060
http://www...com/DealPly
http://www...rbook.com/
http://www...com/iTunes

http://www.f...angafoxlife
http://www....om/thesun/
http://www.f...ionalrailenq
http://www.1channel.ch
http://www.f...-chronicles
http://www....m/AppStore

View results

Blogger - Most Popula...gs (in past 24 hours)
refreshed: **today at 17:21:05.**

The+Celeb+Fakes
Watch+Drago...z+and+D...
Support+of...%D8%AA+...
Tv+%C4%B0z...z++-+Do...
pantyhose+b...an+in+hose
Burger+%26...ch+Recipes
Hair+Laser+Removal
Eco+Tourism+Blog
D4+Live
Welcome+to+...keji's+Blog
Disney+Bitches+Nude
Minecraft+Se...+best+Mi...
Beat+The+Boo...all+Tipster

sports+news+always
Just+Chill+Out
Divx+Online,...ee+Films+...
Equestria+Daily
Planet+of+Music
%D8%B3%D8...DA%A9...
HentaiRon+%...+Online+...

View results

YouTube - Most Popula...eos (in past 24 hours)
refreshed: **today at 17:21:09.**

UJtB55MaoD0
RfDVIpEfKII
JRfuAukYTKg
Bag1gUxuU0g
ADe4_Ps1jTI
80Oed8OT4vw
QJO3ROT-A4E
OZLUa6JUR18
IYzIVDlE72w
3JWTaaS7LdU
hstik457FJE
eH3gialzONA
Y1xs_xPb46M
bpOR_HuHRNs
H9nPf7w7pDI

eiwas_JavkQ
8UVNT4wvIGY
Yv46nGqU0vQ
pRS4139qK48
SHfRceS-blA

View results

Most Popular Videos with Meta-data (in past 24 hours)
refreshed: **today at 17:21:05.**

	Video ID ⇕	Total Views ⇕	Title ⇕	Tags ⇕
1	eiwas_JavkQ	105		
2	8UVNT4wvIGY	27		
3	Yv46nGqU0vQ	23		
4	pRS4139qK48	23		
5	SHfRceS-blA	22		
6	H9nPf7w7pDI	19		
7	bpOR_HuHRNs	19		
8	Y1xs_xPb46M	17		
9	eH3gialzONA	15		
10	hstik457FJE	15		

View results

Most Popular Video Tags
refreshed: **today at 17:21:06.**

trailer
martial arts
dogs
Xbox360
Xbox
X360
True
Trailer (promotion)
Sony
Sleeping

360
Crime
Game
Games
Hong Kong
Microsoft
PC
PS3
PlayStation
PlayStation 3

View results
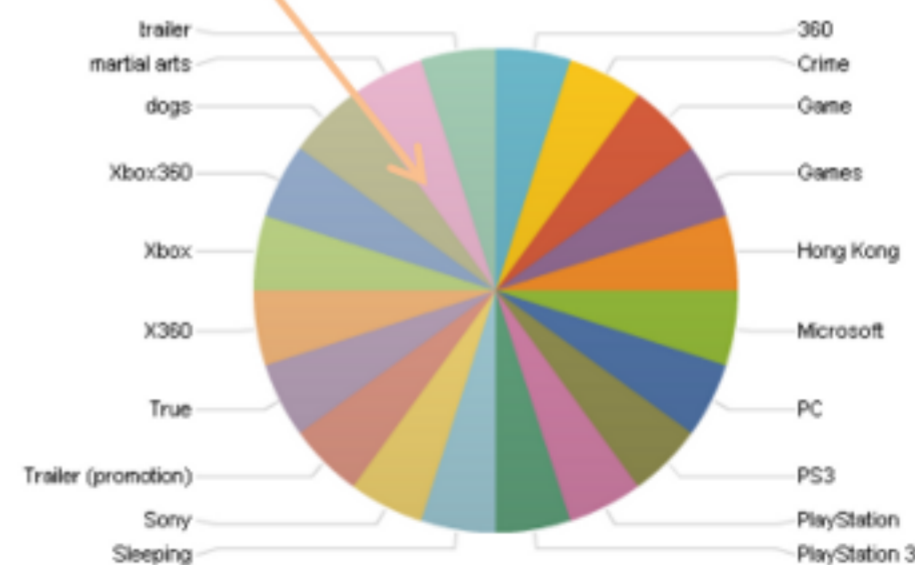
Targeted website monitoring using passive.

Customised Piwik installation, and is integrated into GTEs passive capabilities.

ANTICRISIS GIRL GTE.

Dashboard | All Websites | Widgets | API | Email Reports | Give us Feedback! | English ▼   Hello, admin! | Settings | Sign out

| Dashboard | Visitors | Actions | Referrers | Goals |

Website   wikileaks ▼

Date range: **2012-02-09**   **Add a widget...** ▼

ⓘ About Piwik 1.6

Last visits graph

— Visits
160, 80, 0
Wed 11 Jan, Wed 18 Jan, Wed 25 Jan, Wed 1 Feb, Wed 8 Feb

Visitors in Real Time

Date	Visits	Pageviews
Last 24 hours	73	596
Last 30 minutes	0	0

Fri 10 Feb - 08:29:33 (16 min 43s) 🟦 🦊 🪟 - IP: ▮▮▮
from Google - "wikileaks" ♯3
Pages: 🗂🗂🗂🗂🗂🗂🗂🗂🗂🗂🗂🗂🗂🗂🗂🗂🗂🗂🗂🗂🗂🗂🗂🗂🗂🗂🗂🗂🗂🗂🗂🗂🗂🗂🗂🗂

Fri 10 Feb - 07:48:18 (34s) 🇦🇪 🌐 🪟 - IP: ▮▮▮
Direct Entry
Pages: 🗂🗂🗂🗂🗂

Fri 10 Feb - 07:43:17 (3s) 🟦 🌐 ⬜ - 👤 - IP: ▮▮▮
Direct Entry
Pages: 🗂🗂🗂🗂🗂🗂

Fri 10 Feb - 07:23:03 (53s) 🇦🇪 🌐 🪟 - IP: ▮▮▮
Direct Entry
Pages: 🗂🗂🗂🗂🗂🗂🗂🗂🗂🗂🗂

List of Keywords

Keyword	Visits ▼
wikileaks	7
(450) members@hotmail.com	1
email contacts 372 kadri @yahoo.com @hotmail.com	1
http://www.wikileaks.org/	1
maysan uxo	1

1-5 of 5

List of external Websites

Website	Visits ▼
fr.babelfish.yahoo.com	2
fb.videochat.evgen.in	1
m.facebook.com	1
webcache.googleusercontent.com	1
wikileaks.ch	1
www.plusnetwork.com	1
www.wikileaks.ch	1
zoonpolitikon2.blogspot.com	1

1-8 of 8

Best search engines

Search Engine	Visits ▼
🔍 Google	11

Visitor countries (world map)

Visits
30, 20, 10, 0

Visits ▼

Visitor browsers

Browser	Unique ▼ visitors
Ⓝ Netscape 5.0	16
🌐 Chrome 16.0	12
🌐 Internet Explorer 8.0	8
🧭 Safari 5.1	5
🦊 Firefox 3.6	3

1-5 of 22   Next ›

Visits by server time
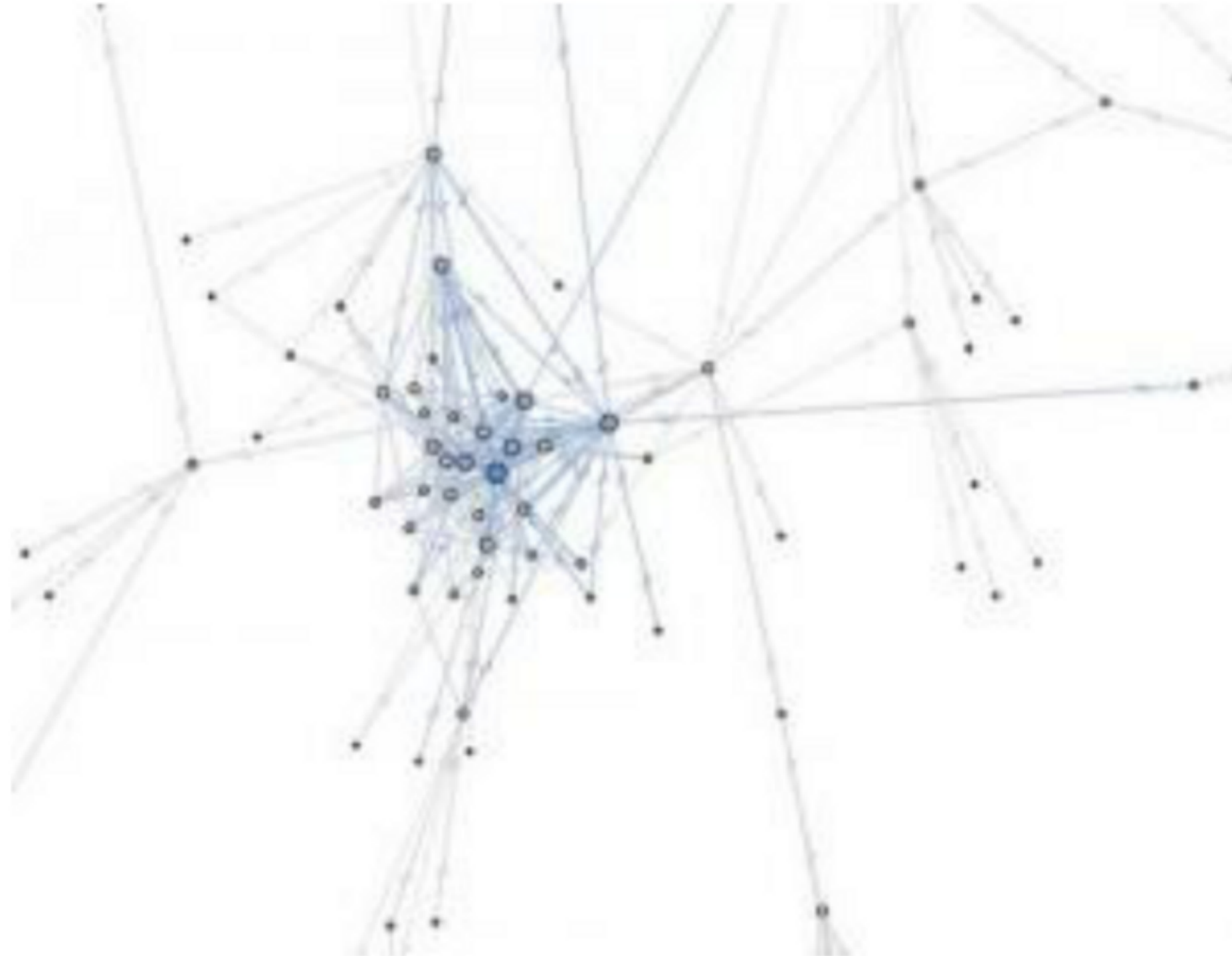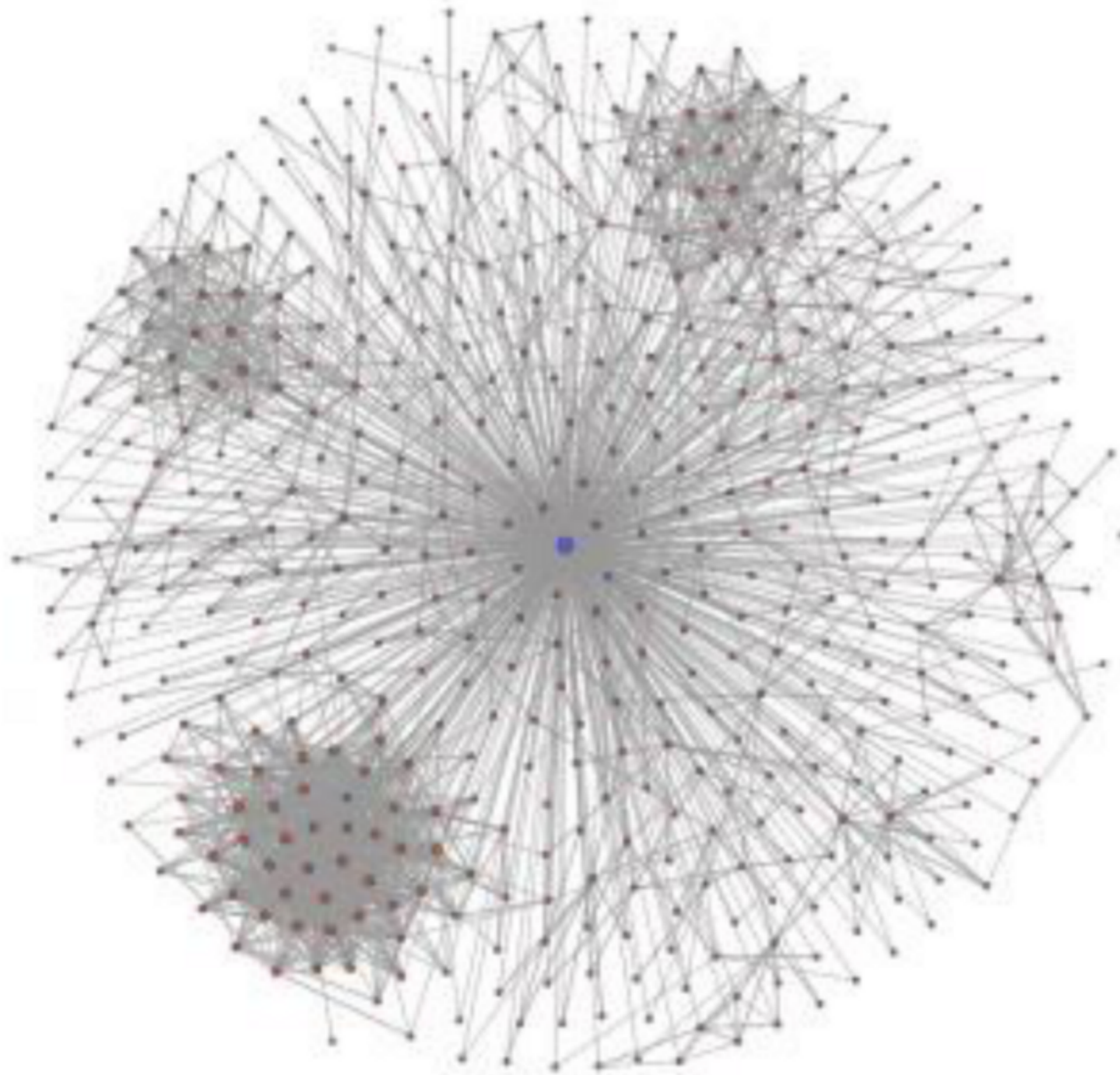
— Visits
10, 5
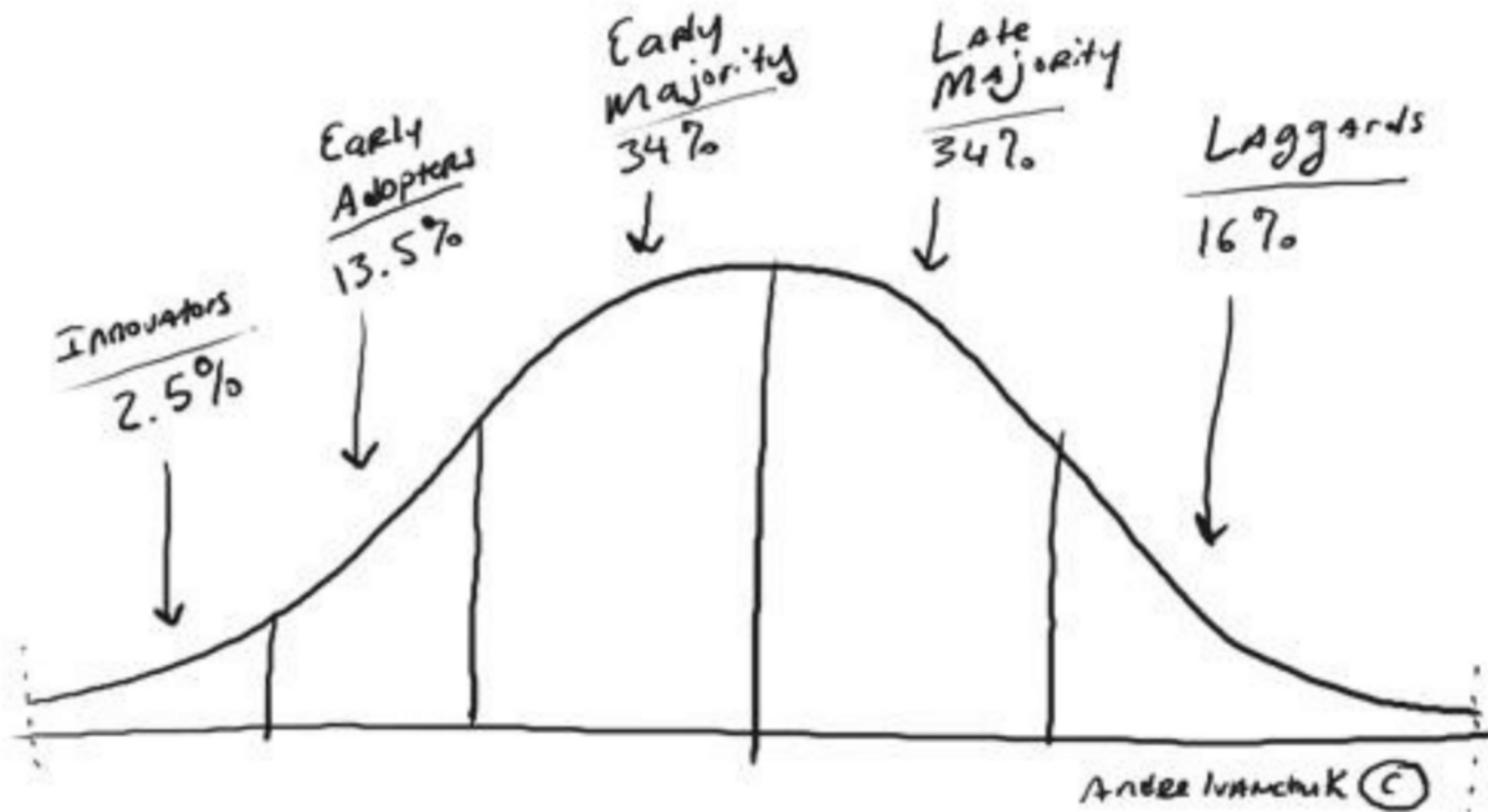
HOLLOW POINT
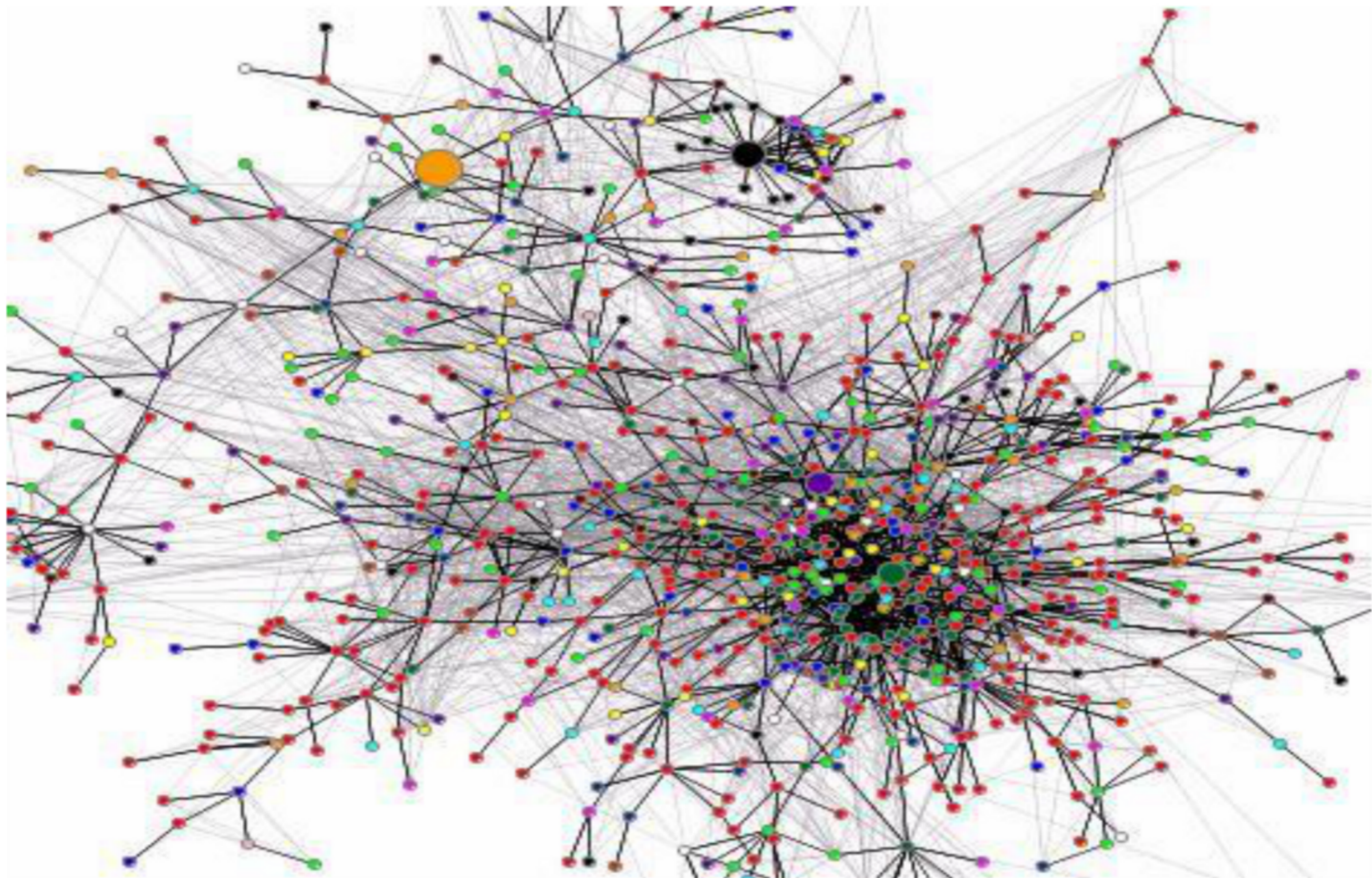
Optimising Influence

NEWTONS CAT

JamesMTitus James M Titus
@Sysparatem Right on bro
8 hours ago

Sysparatem Mike Parker
RT @JamesMTitus: @Sysparatem Yeah, so true! you mean I
should be suspicious of you? or that @btocops should be
challenged?
10 hours ago

JamesMTitus James M Titus
@Sysparatem Yeah, so true!
10 hours ago

Sysparatem Mike Parker
RT @botcops: @Sysparatem you might want to be suspcious
about **JamesMTitus**>> what do you say @JamesMTitus ?
11 hours ago

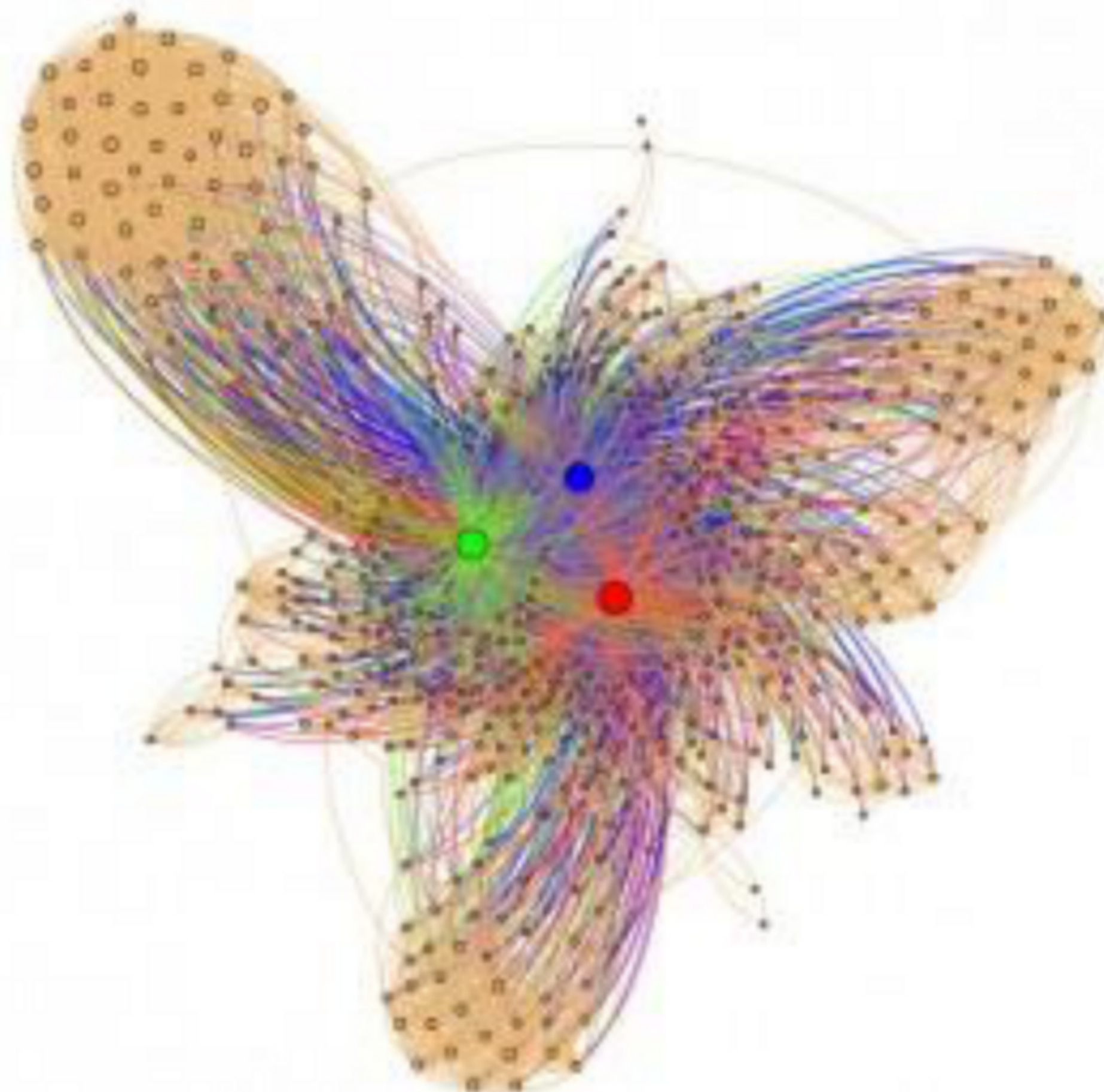**Sysparatem** Mike Parker
RT @botcops: @mstheay00 auto-alert: am monitoring for spam:
@JamesMTitus
11 hours ago

botcops Bulletproof
@Sysparatem you might want to be suspcious about
JamesMTitus
12 hours ago

botcops Bulletproof
@Sysparatem auto-alert: am monitoring for spam: **JamesMTitus**
5 Feb

Influence @ Scale

English (US)

SEARCH   Login

Fire Ant
Open Source Visualisation

⊕ SUBMIT A REPORT

HOME   REPORTS   SUBMIT A REPORT   GET ALERTS   CONTACT US

FILTERS → REPORTS   NEWS   PICTURES   VIDEO   ALL

↓ CATEGORY FILTER [HIDE]

Scale = 1 : 55M   98.58659, 32.69318   EPSG:900913

From: May 2012 to: May 2012   ▶ Play

▮ ALL CATEGORIES

▮ BBCM TAGS

▮ IRAQ

▮ CHINA

▮ CIVILIANS

▮ DEATHS

▮ IRAN

▮ PAKISTAN

▮ PROPERTY LOSS

▮ REPORT SOURCE

▮ RIOTS

HOW TO REPORT

1. By sending an email to
   ████████@gchq.gov.uk
2. By filling this form

Head of Human Sciences - HSOC

Capability Developer - GTE