

LETHAL LEADERSHIP

USING ORGANIZATIONAL PSYCHOLOGY
TO EXAMINE TERRORIST GROUPS

UNO Faculty Investigators: Gina Ligon, Ph.D., Dr. Douglas C. Derrick, Ph.D.,
Michael Logan, & Gia Harrigan, Ph.D. (Department of Homeland Security,
Science and Technology Directorate, Office of University Programs)

LETHAL LEADERSHIP

USING ORGANIZATIONAL PSYCHOLOGY
TO EXAMINE TERRORIST GROUPS

START Affiliate Researchers

23 March 2017

10th Anniversary Homeland Defense/Education Summit

TODAY'S AGENDA

1. Who we are
2. Assumptions that allow us to use organizational theory
3. Method of LEADIR Attack & Cyber Coding
4. Attack Innovation
5. Cyber Innovation
6. Request for Input into 2017 Study



WHO WE ARE

THE CENTER FOR COLLABORATION SCIENCE

- Interdisciplinary Research Center Examining All Forms of Collaboration
- Radicalization and Violent Extremism (RAVE) Division
- NSRI: DoD University Affiliated Research Center (UARC)
- National Consortium for Studies of Terrorism and Responses to Terrorism (START) researchers for Department of Homeland Security, Science and Technology Directorate, Office of University Programs

PUTTING THE “O” IN VIOLENT EXTREMIST ORGANIZATION *

SHARED
PERFORMANCE
GOALS

IDENTIFIABLE
BOUNDARIES

COLLABORATION

PUTTING THE “O” IN VIOLENT EXTREMIST ORGANIZATION *

SHARED
PERFORMANCE
GOALS

IDENTIFIABLE
BOUNDARIES

COLLABORATION

PUTTING THE “O” IN VIOLENT EXTREMIST ORGANIZATION *

SHARED
PERFORMANCE
GOALS

IDENTIFIABLE
BOUNDARIES

COLLABORATION

PUTTING THE “O” IN VIOLENT EXTREMIST ORGANIZATION *

SHARED
PERFORMANCE
GOALS

IDENTIFIABLE
BOUNDARIES

COLLABORATION

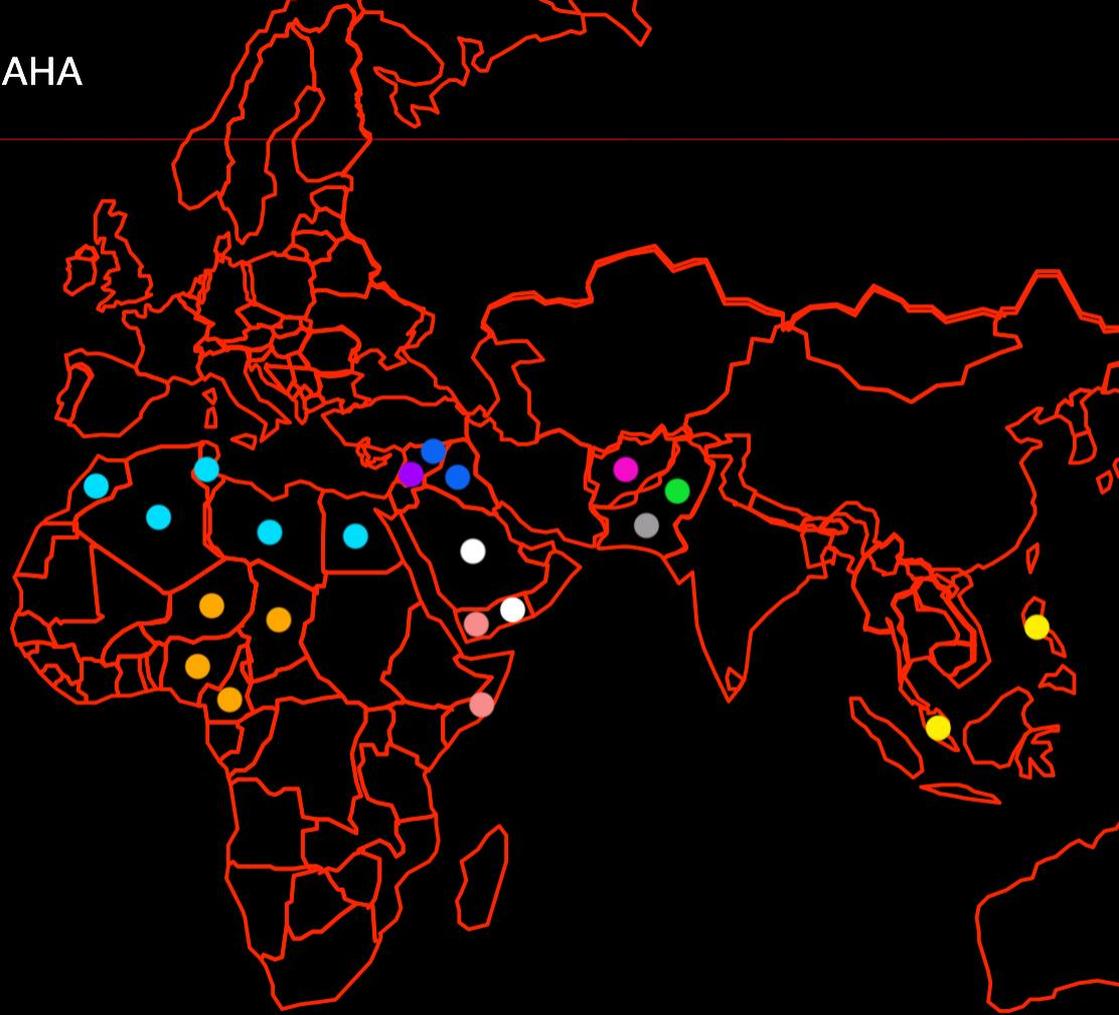
DESTRUCTIVE LEADERSHIP & VIOLENT ORGANIZATIONS:

L.E.A.D.I.R.

LEADERSHIP OF THE EXTREME AND DANGEROUS
FOR INNOVATIVE RESULTS

2016 PROJECT TEN JIHAD GROUPS

- Abu Sayyaf Group
- AQAP
- AQIM
- Jabat Fatah al-Sham
- Tehrik Taliban Pakistan
- Afghan Taliban
- Al-Shabaab
- Boko Haram
- Da'esh
- Lashkar-e-Taliba





MALEVOLENT INNOVATION

- Originality/surprise
- Quality/Effectiveness
- Elegance/Complexity

KEY PERFORMANCE INDICATORS (KPIs) OF MALEVOLENT INNOVATION

L.E.A.D.I.R. STUDY

FOR INNOVATIVE RESULTS



METHOD

ATTACK DATA

METHOD **ATTACK DATA**

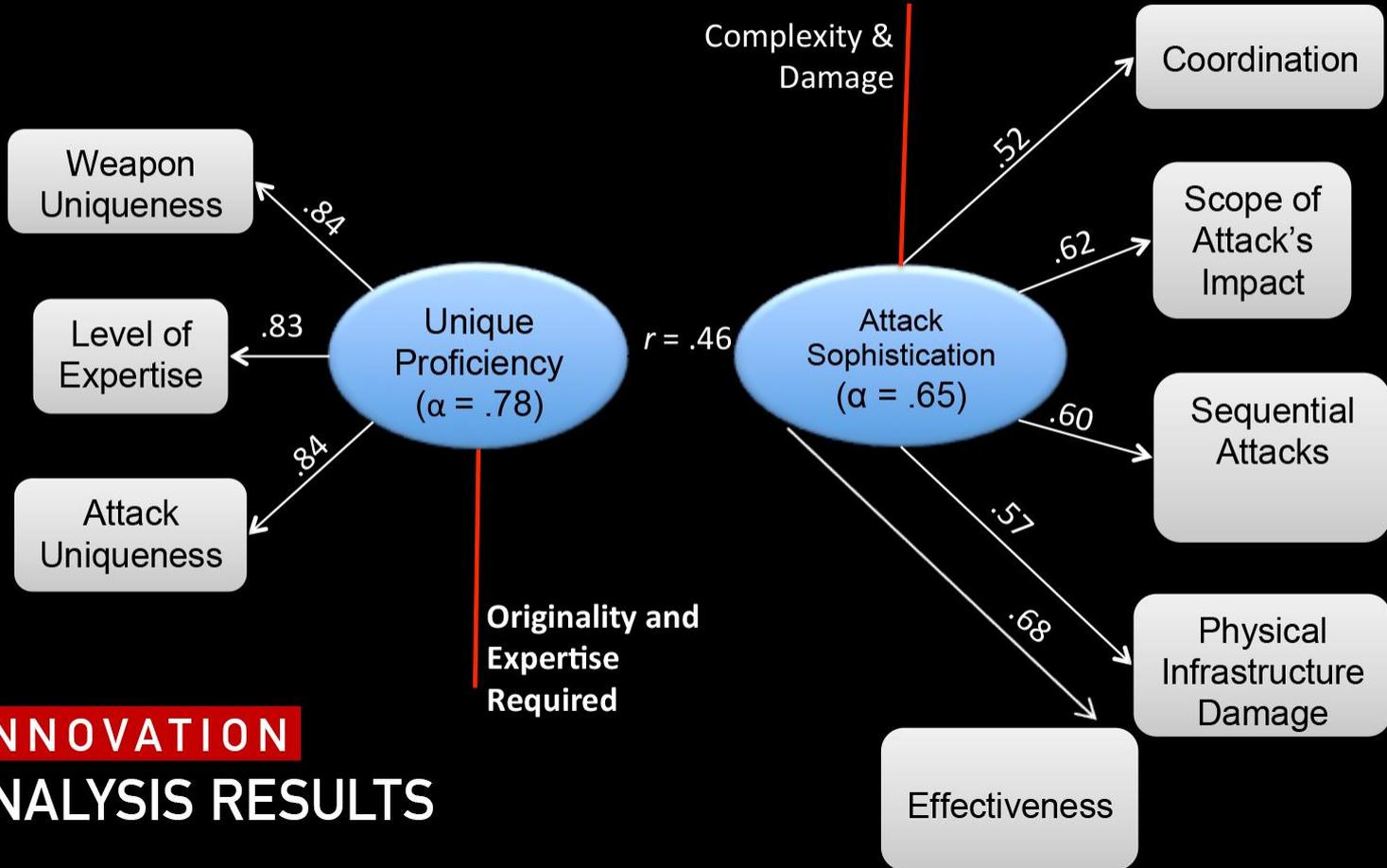
ATTACKS

- GTD Stratified Sample against target type for the 10 groups from height of power – end of 2015
- 1440 total attacks
- Coded using behaviorally anchored benchmark scales (1-5)

METHOD **ATTACK DATA**

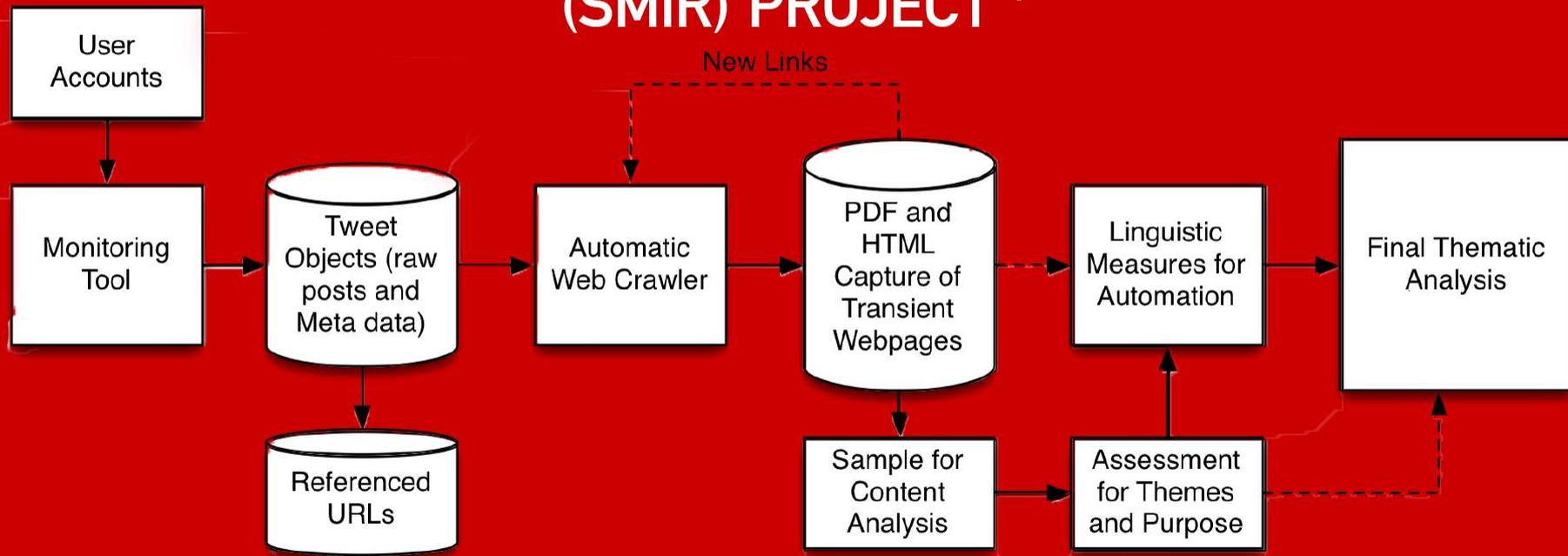
UNIQUENESS OF ATTACK METHOD AT THE TIME (USE CULTURAL CONTEXT OF REGION)

Uniqueness of Attack Method at the Time is a 5-point, Likert-type scale assessing the degree to which the method used in the attack was unique, novel, or original within the context of the attack and within the typical profile of the organization.



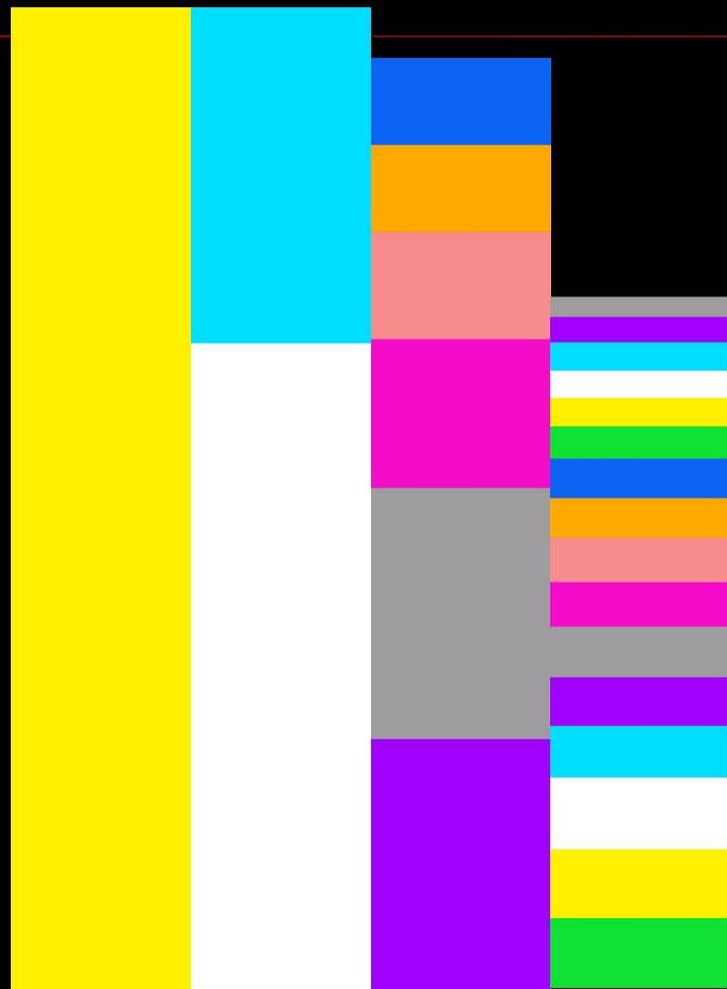
ATTACK INNOVATION
FACTOR ANALYSIS RESULTS

SOCIAL MEDIA FOR INFLUENCE AND RADICALIZATION (SMIR) PROJECT *



TOP 25 CHANNELS USED BY DA'ESH

- | | |
|---|---|
|  twitter.com |  quran.to |
|  youtube.com |  telegram.me |
|  justpaste.it |  7asnat.com |
|  du3a.org |  dailymotion.com |
|  archive.org |  almlf.com |
|  zad-muslim.com |  d3waapp.org |
|  sendvid.com |  wthker.com |
|  drive-google.com |  my.mail.ru |
|  up.top4top.net |  quran.ksu.edu.sa |
|  dump.to |  pho2up.net |
|  web.archive.org |  mezani.net |
|  wp.me | |
|  ghared.com | |
|  qurani.tv | |





METHOD

CYBER OBJECT DATA



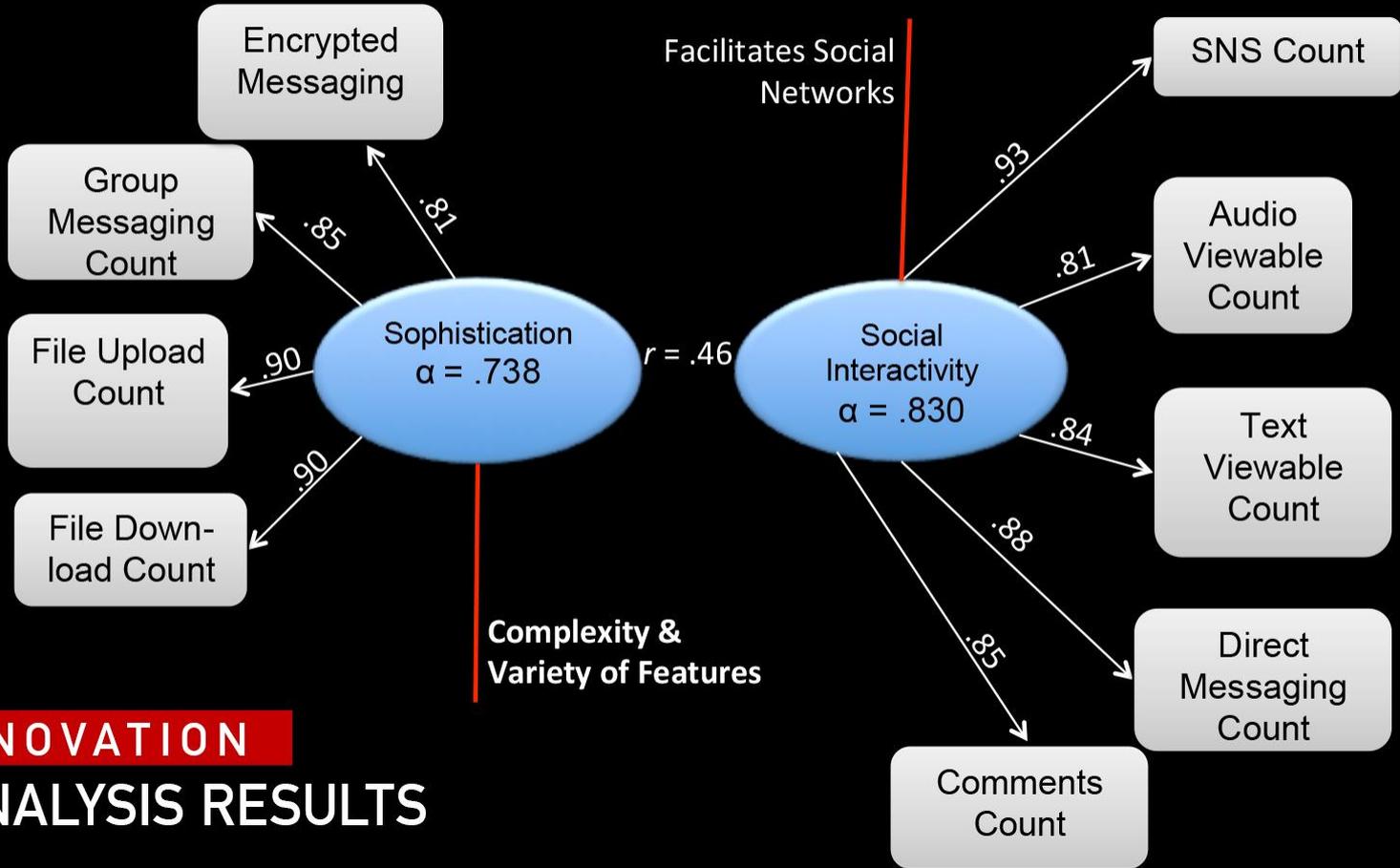
METHOD **CYBER OBJECT DATA**

SOPHISTICATION

- Photo Uploads
- Video Uploads
- Other URLs
- Encrypted Messaging
- Forum Count

DEGREE OF SOCIAL INTERACTIVITY

- Social networking features
- Direct messaging availability
- Comments availability
- Account Requirements



CYBER INNOVATION
FACTOR ANALYSIS RESULTS

IMPLICATIONS

1. Variability in innovation across attacks and cyber
2. Social interactivity of cyber presence has implications for organizational boundaries and types of attacks inspired by website visitors
3. Organizational leadership and structure explains much of the variance across performance indices...toward prediction
4. Others from you?

OTHER CYBER PROJECTS

1. Automated Classification of VEO Websites/Content (Church)
2. Data Visualization of Attack Profiles (Robinson)
3. Automated Linguistic and Sentiment Coding for Extremist Content (Hall)
4. Image Study: Tourism Appeal and Neurophysiological Instrumentation (Logan)
5. Collection and Classification of Far-Left Internet Content (Perez & Logan)

Week 6 - ISCA8735690.1168
Created by Camilla Stuplo 6
UNO SMR


Tweets Pages Videos
Sam Church

Latest ▾
Date Range ▾
Language ▾

@HoReSaN_1

@ozil_murad4 keaçadan kursun yarasi

@abou_hama

osamajned86 @sameerkakeh@
كان الله في العرش يوم قلت استغفر الله هذا كان شام الله ودينه كان والعرش بالله

@YouDontKnowMe9

RT @FutuhAlSham: Maqdisi: 'Even if everyone on planet signed fatwa permitting fighting with Turkey against the IS, it's still wrong.'

@Alexand55218041

#Сирия +18 Россия и режим Асада убилы больше 600 мирных жителей города Алеппо за одну неделю. из них 122 ребенка и... <https://twitter.com/web/status/780071302174482432>

@Alexand55218041

#Сирия Повстанцы обстреляли военный аэродром Хамы ракетами град и уничтожили МиГ-23. самолет режима Асада <https://twitter.com/QalaatAlMudiq/status/780040248000704512>

@Alexand55218041

#Сомали +18 Аль Шабааб привезли трупы оккупантов из Кенйской армии в город Джалииб чтоб показать жителям!

@abou_hama

كان الله في العرش يوم قلت استغفر الله هذا كان شام الله ودينه كان والعرش بالله

@abou_hama

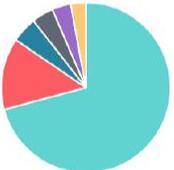
RT @hmzagreeb: رأيت بعض المذنبات على بين الجميع بما يخص فرقة الحزبة والمجسم وكلنا ممن سامع بمصالح البيئاتون بل هم من أخطأ بذلك الأمم

Search

Stats

Tweets:	5,331,395
Users:	190,249
Hyperlinks:	1,332,358
Pages Saved:	38,962

Languages



■ Arabic
■ English
■ French
■ Other
■ Turkish
■ Undefined

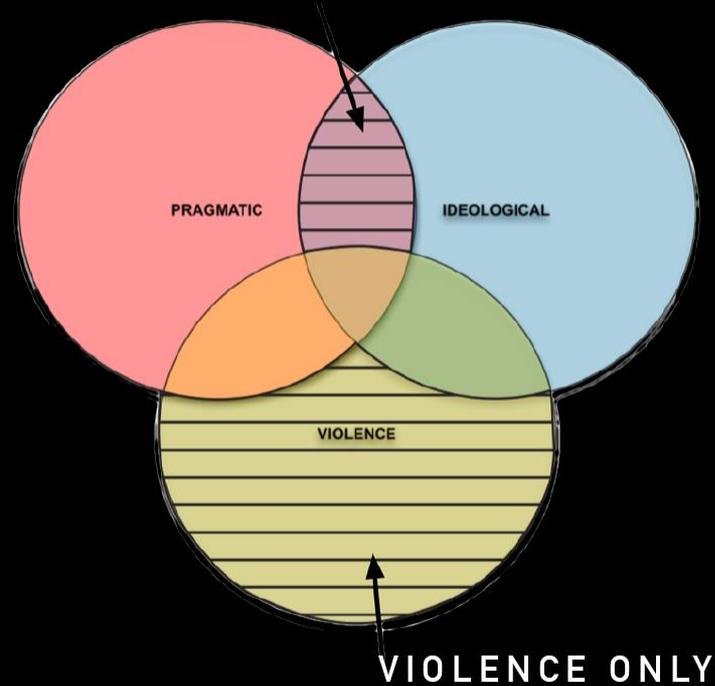
55 Total Languages

Hashtags

#التولة الإسلامية	108,303
#تولة الختافة	74,764
#عزل	66,388
#سوريه	41,511



IDEOLOGICAL RATIONALITY



DA'ESH LEADER INFLUENCE ARTIFACTS

YOUR FEEDBACK

- Groups to Exam
(Jihad + Far Left)
- Leader Profiles
- Organizational Profiles
- Attack Profiles
- Cyber Profiles
- Items We Are Missing
That Would Help You?

PAST FUNDING SOURCES

DEPARTMENT OF DEFENSE

- SOCCENT: Intangible Nature of ISIL
- SOCOM: ISIL Leadership and Cyber Profile
- CENTCOM: SME Support to Counteract Virtual Caliphate

STATE OF NEBRASKA

NRI: VEO Collaboration

DEPARTMENT OF JUSTICE

Empirical Assessment of Domestic Disengagement and De-radicalization

DEPARTMENT OF HOMELAND SECURITY SCIENCE AND TECHNOLOGY OFFICE OF UNIVERSITY PROGRAMS

Organizational Determinants of Violence and Capacity for Destruction

PRIVATE DONORS

- The Brain and Violence
- Countering Violent Extremism

CONTACTS

GLIGON @ UNOMAHA.EDU

DCDERRICK @ UNOMAHA.EDU