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The Challenge of Criminal Investigations in the Virtual World

DSU Steven Wilson

DI Eamonn Keane – May 2013

What is e Crime/ Cybercrime

- Old Crimes Facilitated by Internet/ Digital Means
- Theft
- Fraud
- IP Crime
- Child Abuse
- Social media abuse
- Cyberstalking
- Cyberbullying



SEXTING

DEFINITION...
Sending of sexually explicit photos or text through one's mobile phone to friends or potential suitors.



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New Crimes Created By Internet

- Spam
- Malware
- Hacking
- Trolling
- DDoS

Overall Objectives:

- Profit
- Power/ Advantage
- Sexual Gratification
- Notoriety/Kudos
- Terrorism.



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Threats

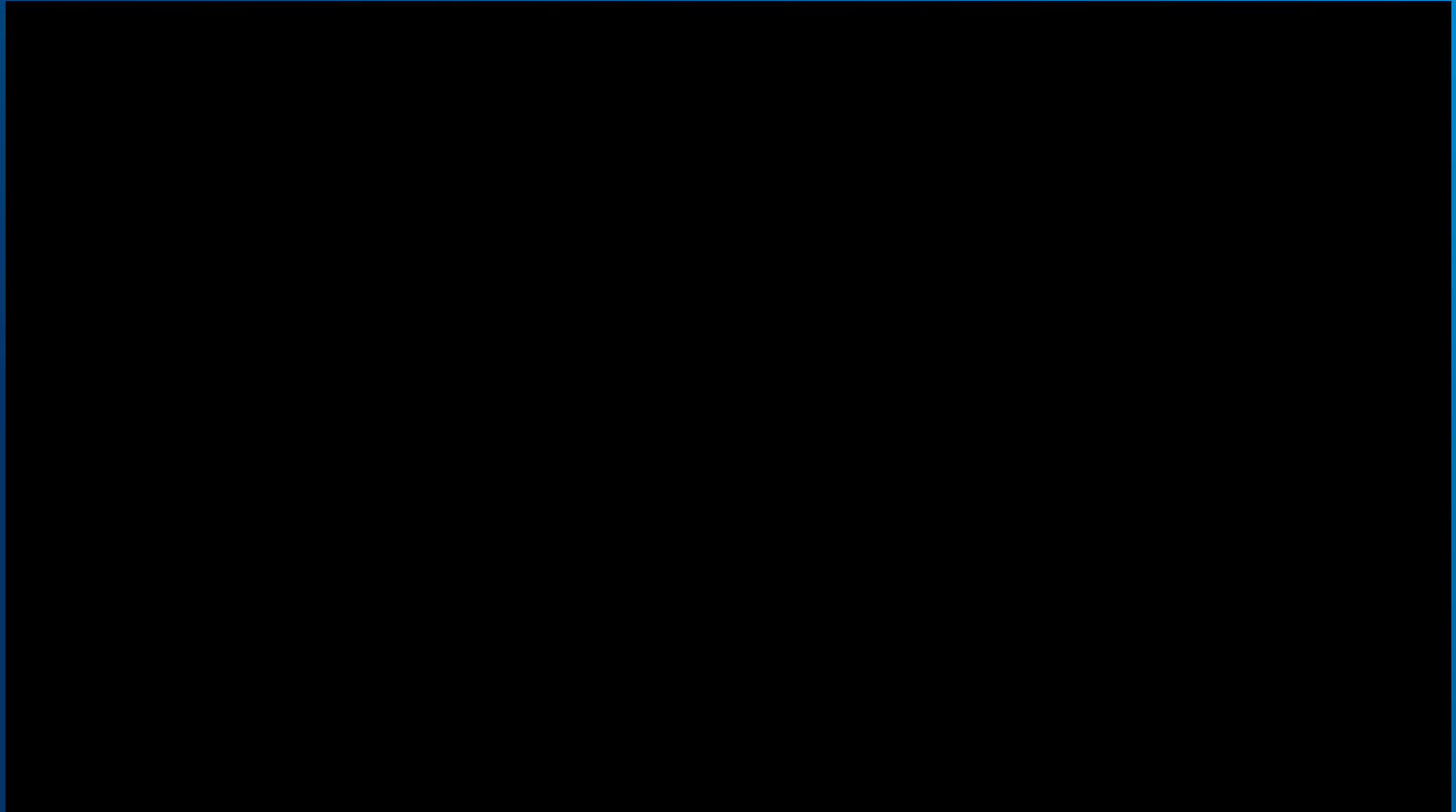
- Children
 - Smartphone's, Tabs, Laptops
 - What are they doing/ Who are they talking to?
- Social Networking
- Chatrooms
 - Exploitation
 - Organised Groups
 - Cyber Bullying
 - Naivety
 - Suicide/ Self Harm



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Megans Story

<https://www.youtube.com/watch?v=DwKgg35YbC4>



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Threats

- Indecent Images of Children
- Availability
 - SAOC Involvement
 - Profit
- Increased Demand
 - Increased Abuse
 - Increased Exploitation
 - Desensitisation
 - Cross Over to Contact Offending?



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Opportunities

- Proactive Use of New Technology
 - Victim Identification
 - Facial Recognition
 - Series Linkage
 - Location Identification
 - GPS
 - Scene Identification/ Linkage
- Identifying Distributors / Communities IIOC
- Linking Offenders through Forensic Examination
- Sex Offender Management - Fieldsearch



Opportunities

- Identifying Offenders
 - Op Alba
 - Hernandez Butner Study
 - “Key to the Door”
 - ID Contact Offenders
 - Most Likely to Become Contact Offenders?
 - Mappa Management
 - Treatment
- Covert Internet Investigators
 - Entrapment
 - Deterrent Effect



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Operation ALBA

	Resulted- No Charge	Resulted - Positive	Unable to resolve	Warrant Executed Ongoing
Phase 1	17	32	0	0
Phase 2	5	27	12	0
Phase 3	17	91	8	9
Phase 4	4	80	4	31
TOTALS	43	230	24	40

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Operation ALBA



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Pervert farmer caught by police after trying to groom 'teenager' online

Aug 21 2010

A FARMER tried to groom a 14-year-old girl for sex during an online chat - but the "teenager" was really a policeman.

Richard Bennett, 32, told the girl he wanted to meet her in a cinema so they could "cuddle".

He also said he wanted to have a child soon and asked if she would like to get pregnant.

Bennett, of St Fergus, near Peterhead, then told her he loved her during the internet chat.

He was caught in a Scottish Crime and Drug Enforcement Agency operation.

At Peterhead Sheriff Court, he admitted committing the offences between June 26 and November 5 last year at his home.

He was ordered to sign on the sex offenders' register until he is sentenced next month.



Positions of Care/Reg. Sex offender

- Robert Manson was not only convicted of possessing child abuse imagery but also of methodically abusing his children and grandchildren across 30 years.
- Syd Beg, a classroom assistant from Glasgow, was imprisoned after being found to be involved in the creation of child abuse images and contact offences as well as the possession and distribution of images.
- Donald MacKenzie, a RSO from Tayside who was on parole for sexual offences against young boys, was convicted of possessing child abuse imagery and sentenced to 5 years imprisonment.
- A Youth Worker in Tayside, Steven Griffin, was found to be in possession of child abuse imagery and subsequently charged.
- Following the dissemination to Dyfed-Powys, Stephen Evans, made admissions to the police in interview, and was found to be an under-11s football team coach (subsequently committed suicide prior to trial)
- The Royal Military Police investigating a serving soldier after he was identified in the file sharing of child abuse imagery from both his barracks and home addresses in Ireland.
- Serving PSNI **Police Officer**
- A Scout master in Kirkintilloch charged with 100,000 images.
- David Wilkinson, GMP RSO, 290,000 images

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Covert Internet Investigator.



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Operation Embark

I don't have a picture
in my profile



For others

For my friends

For myself

ChatName	edinbeth12
Gender	Female
Age	14
Rank	 Passenger Level 4
Name	edinbeth12
Male visitors	426
Female visitors	38
Last seen	Is online right now
Has been a chatter	5 months, 5 days, 1 hour, 7 minutes, 55 seconds

Ahoi there. I'm a girl who's 13 years of age and I live in . While you're here, please leave a message in my logbook. :o)

Operation Embark

22:50:15		cj		Beth		when u free?
22:50:30		Beth		cj		i get home from skool about 4
22:51:18		cj		Beth		ok
22:51:35		cj		Beth		am i picking u up in town then straight to urs?
22:52:02		Beth		cj		at train station yeah? then to mine?
22:52:16		cj		Beth		yes. is that what u want?
22:52:30		Beth		cj		if its wot u want
22:52:54		cj		Beth		im goin with what u want
22:53:04		Beth		cj		k wot time?
22:53:14		cj		Beth		was thinking 5
22:53:20		Beth		cj		k
22:53:27		cj		Beth		how long do we have?
22:53:29		Beth		cj		will u b in your car?
22:53:37		cj		Beth		yes
22:53:40		Beth		cj		mum will be home between 8.30 and 9
22:53:50		cj		Beth		i'll leave about 7 then

Operation Embark

23:19:25		cj		Beth		would u be freaked out if i got an erection tomorrow?
23:19:52		Beth		cj		lol i dunno ive neva seen 1 b4. wots it like?
23:20:19		cj		Beth		my penis will be stiff and hard
23:20:41		Beth		cj		k
23:21:04		Beth		cj		as long as u look after me and tell me wot 2 do
23:21:23		cj		Beth		i will
23:21:28		cj		Beth		would u touch it?

Embark results

- James Hunter PETRIE(68)
Bonnyrigg
Sentenced to 3 years Probation
RSO registered to 14/06/2014
- Christopher MCSORLEY (43)
Sentenced to 3 years
Imprisonment
RSO Life Registration
- Gary Sloman (28)
Thornliebank, Glasgow
Sentence 12 probation
80 hours Community Service
Order
- Proceedings continuing with
International Offender facing
grooming and contact abuse
offences on Scottish victim.

Operation Embark

- Lived with girlfriend and 12 year old daughter
- It wasn't me, my PC has a virus
- A big boy done it and ran away
- Suicidal – signed himself in for help – “Stop it Now”
- Pled guilty – 11 months imprisonment

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Implications For Criminal Justice

- Evidential Considerations
 - No National Boundaries
 - BP Servers
 - Computer Misuse Act
 - 21st Century Criminality v 19/20th Century Legal Practices
 - Warrants
 - MLAT/ ILOR Process
 - Wiping Software
 - Anonymity of Internet – TOR Networks
 - Demand/ Impact on Forensic Staff

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Implications For Criminal Justice

- Crown
- Courts
 - Increase in Court Time
 - Psychological Examination
- SPS
 - Increase in High Risk Prisoners/ Limited Special Facilities
 - Availability of Treatment
- CJSW
 - Increased Demand for Supervision
 - Availability of Treatment
- Mappa
 - Resources to Effectively Manage



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Offender Implications

- Suicide Risk
 - Managing Pre Trial
- Family Impact
- Cyber Issues
 - Anonymous/ Lulzsec
 - Aspergers/ Autism
 - McKinnon Case

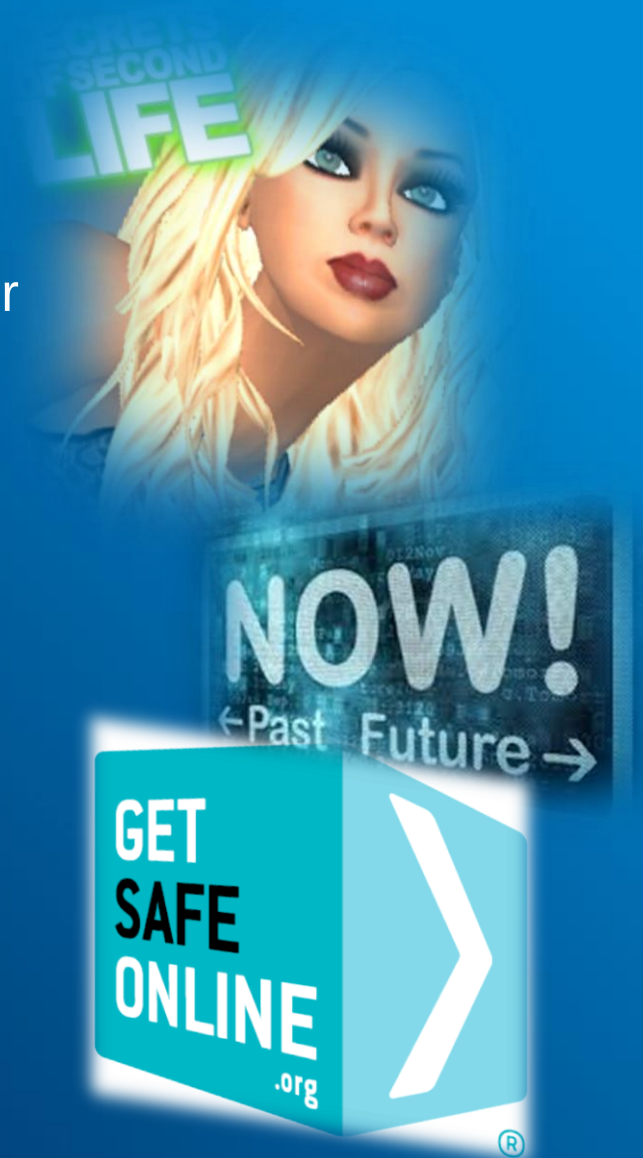


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The Way Forward

- PSoS - Making Our Communities Safer
 - Real World
 - Virtual World
 - Children
 - Elderly
 - Vulnerable Groups
- Upskilling Children/ Parents
- Academia and PSoS
- E Crime Scotland / Get Safe Online
- www.ecrimesscotland.org.uk

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Thank you for listening

- Questions?



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