

CYBER SECURITY: HOW WE CAN HELP

WHAT ARE WE GOING TO TALK ABOUT

Who we are

Why is this important?

Live Hack Demonstration

Doing the Basics

How we can help



<https://nerccu.police.uk/>

WHO WE ARE



National Cyber
Security Centre
a part of GCHQ



NCA
National Crime Agency



NEED TO KNOW

WHY IS THIS IMPORTANT?

Cyber Security Breaches Survey 2022



39% of UK businesses identified a cyber attack

the most common threat vector was phishing attempts (83%)

31% of businesses and 26% of charities estimate they were **attacked at least once a week**

Looking at organisations reporting a material outcome, such as loss of money or data, gives an average estimated cost of all cyber attacks in the last 12 months of **£4,200**. Considering only medium and large businesses; the figure rises to £19,400.

USING PASSWORDS TO PROTECT **YOUR** DATA

Make sure you switch on password protection

Use two-factor authentication for 'important' accounts

Avoid using predictable passwords

Help your staff cope with 'password overload'

Change all default passwords



PROTECTING **YOUR** ORGANISATION FROM MALWARE

Install (and turn on) antivirus software

Prevent staff from downloading dodgy apps

Keep all your IT equipment up to date (patching)

Control how USB drives (and memory cards) can be used

Switch on your firewall



KEEPING **YOUR** SMARTPHONES (AND TABLETS) SAFE

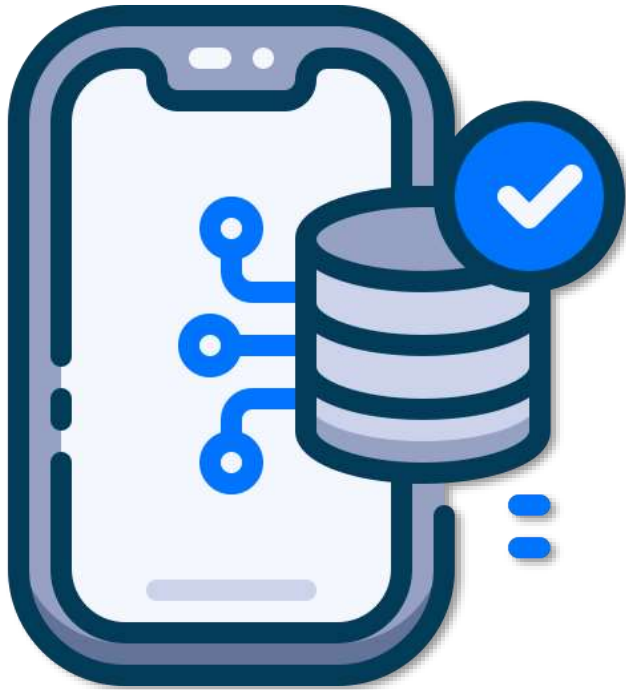
Switch on password protection

Make sure lost or stolen devices can be tracked, locked or wiped

Keep your device up to date

Keep your apps up to date

Don't connect to unknown Wi-Fi Hotspots





UNDER ATTACK

Cyber Essentials



Why should you get Cyber Essentials?

- Reassure customers that you are working to secure your IT against cyber attack
- Attract new business with the promise you have cyber security measures in place
- You have a clear picture of your organisation's cyber security level
- Some Government contracts require Cyber Essentials certification



<https://getreadyforcyberessentials.iasme.co.uk/questions/>

CiSP (Cyber Information Sharing Partnership)



The benefits of being a part of CiSP are:

- engagement with industry and government colleagues in a secure and confidential environment
- in-depth analysis of cyber threat information
- access to a network of experienced professionals in the cyber security industry
- contribute to helping the NCSC make the UK the safest place to live and work online



<https://www.ncsc.gov.uk/section/keep-up-to-date/cisp>

BACK UP **YOUR** DATA

Identify what data you need to back up

Keep your backup separate from your computer

Consider the cloud

Read NCSC cloud security guidance

Make backing up part of your everyday business



AVOIDING PHISHING ATTACKS

Configure accounts to reduce the impact of successful attacks

Think about how you operate

Check for the obvious signs of phishing

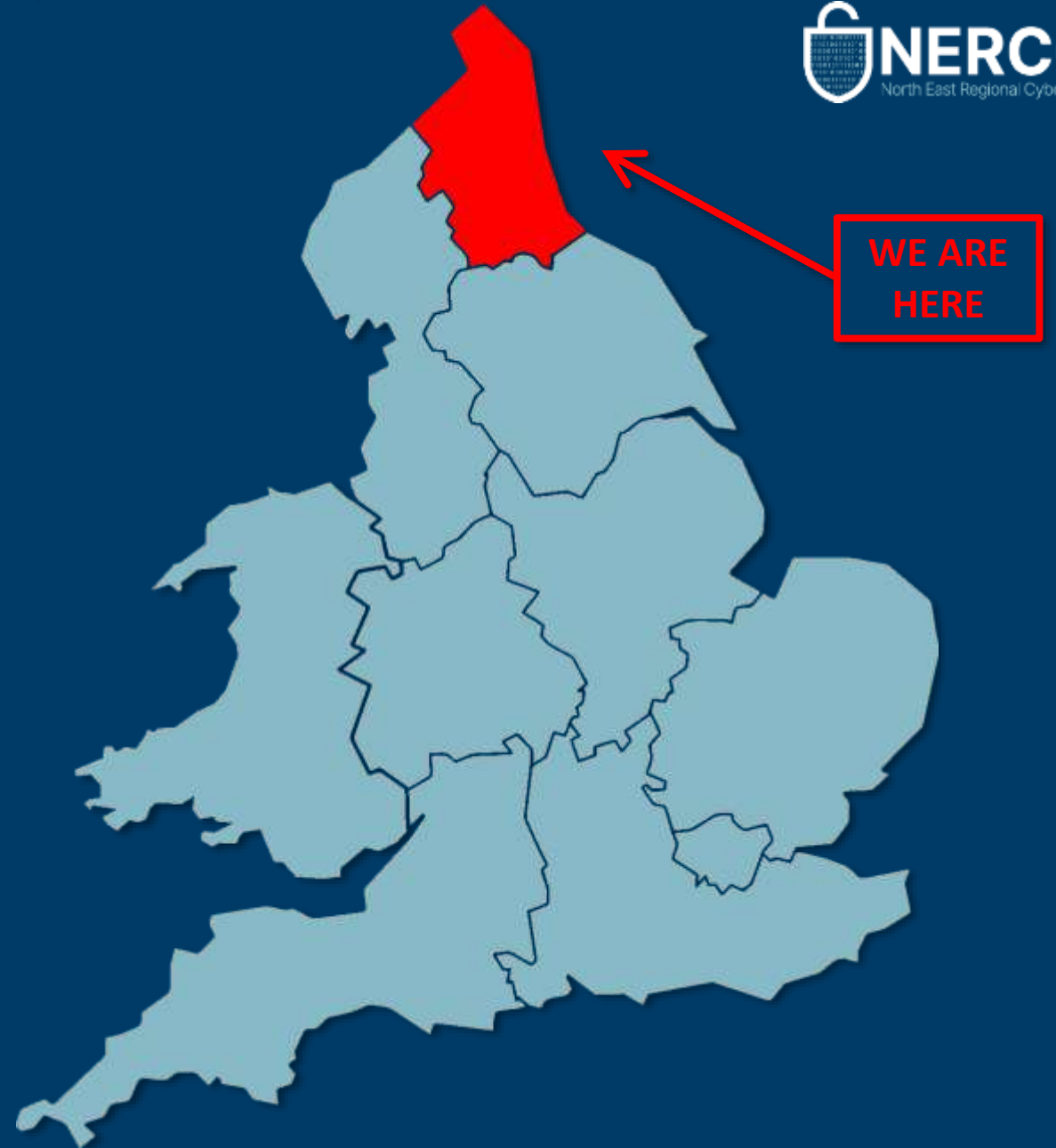
Report all attacks

Check your digital footprint



WHO WE ARE

PURSUE
PREVENT
PROTECT
PREPARE



DOING THE BASICS

Action Fraud



What is Action Fraud?

- Action Fraud is the UK's national reporting centre for fraud and cybercrime where you should report fraud if you have been scammed, defrauded or experienced cyber crime in England, Wales and Northern Ireland.
- If you are a business, charity or other organisation which is currently suffering a live cyber attack (in progress), please call **0300 123 2040** immediately.



<https://www.actionfraud.police.uk/>

HOW WE CAN HELP

HOW WE CAN HELP



**STAFF TRAINING/
AWARENESS**



**VULNERABILITY
ASSESSMENT**



**POLICE CYBER
ALARM**



**CYBER
EXERCISING**



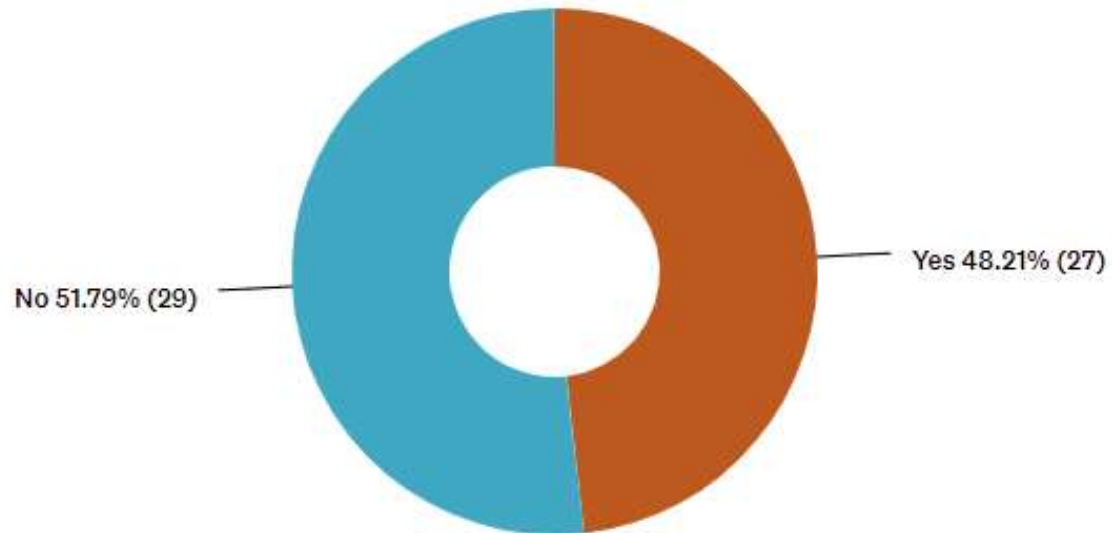
**...AND
MORE!**



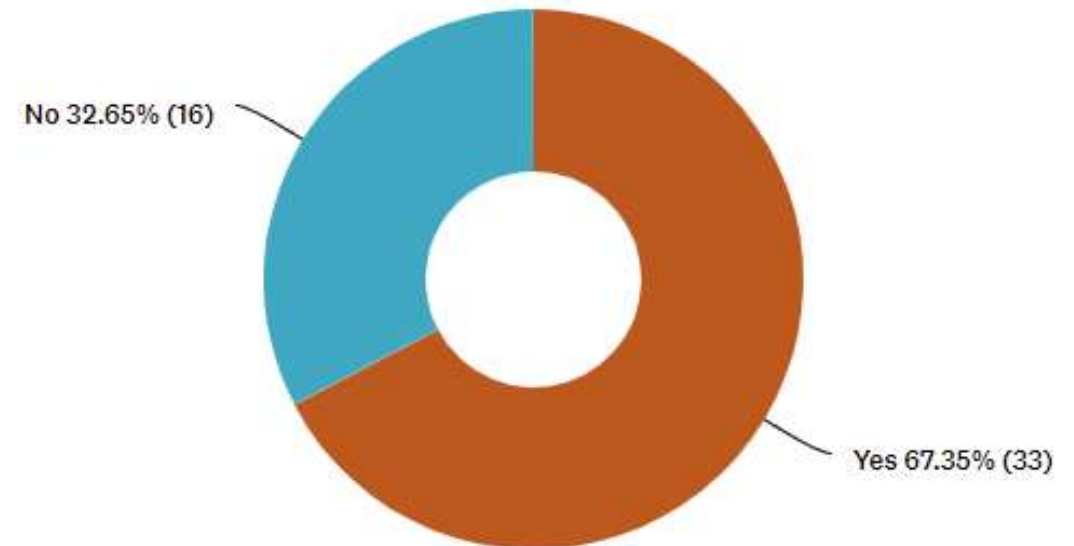
<https://nerccu.police.uk/>

Does your business have insurance against cyber crime including ransomware, hacks, data breaches, lost income etc.?

Wholesalers



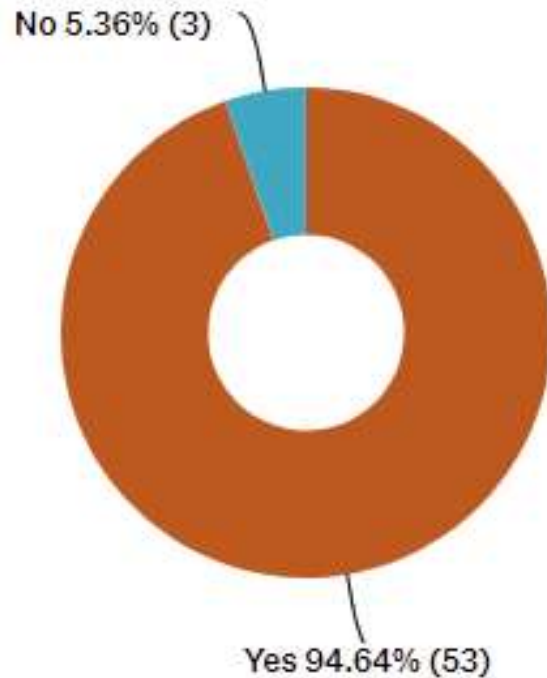
Manufacturers



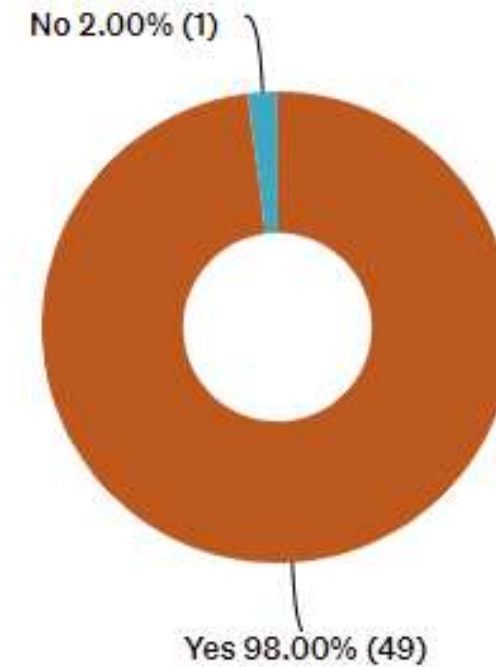
November 2021: Responses to the EDA's State of the Sector Survey

Does your business have access to IT professionals (internal or external) who could support you in the event of cyber crime?

Wholesalers



Manufacturers



FINANCIAL WELLBEING



- PC BRIAN COLLINS
- PC IAN SANDERS
- PC MEGAN TURNER
- PC JAMIE WARDLE



REGIONAL ECONOMIC CRIME CO-ORDINATION CENTRE



NERSOU – A REGIONAL SOLUTION TO NATIONAL PROBLEMS!

NERSOU

NORTH EAST REGIONAL SPECIAL OPERATIONS UNIT

*Protecting communities
from organised crime*



RECCC OBJECTIVES

- Promote awareness and understanding of the threat posed by Economic Crime/abuse.
- Communicate information around the tactics criminals seek to exploit.
- Empower individuals and businesses to create good habits and positive behaviours.
- To build a strong engaged network of organisations and individuals to promote a partnership/ community approach to tackling economic crime/abuse.



EMBEZZLEMENT

ROMANCE FRAUD COUNTERFEIT GOODS

EMAIL SPAM HEDGE FUND FRAUD

IDENTITY THEFT PONZI SCHEMES CORRUPTION

MONEY MULES BRIBERY

FRAUD BY FALSE REPRESENTATION

ECONOMIC CRIME

INVESTMENT FRAUD

BOGUS TRADE FRAUD

FORGERY

PHISHING

INSIDER FRAUD

DOMAIN FRAUD

EXPLOITING ASSETS

ABUSE OF POSITION

OBTAINING SERVICES DISHONESTLY

CYBER FRAUD

FRAUD

DOORSTOP FRAUD

VISHING

MONEY LAUNDERING

SPEAR FISHING

FALSE ACCOUNTING

THE NUMBERS

In the last financial year there were 875,622 reports of fraud in the UK.

This gave a reported loss of £2.35bn.

This equates to almost 2,399 offences of fraud each day - over 1/3 of all recorded crimes.

You are more likely to be a victim of fraud than any other crime type

SO...

- Who has received calls telling you about a car accident that wasn't your fault?
- Who has had text's from delivery companies asking for a payment to release a package?
- Or a bank getting in touch because of a tax rebate?
- Or a letter arriving telling you that you have won a competition you don't remember entering?
- Or during a national pandemic offers of vaccines and "cures"
- The list goes on and on and on...

DO WE NEED TO CHANGE OUR THINKING AND THE LANGUAGE OF FRAUD?

- **FRAUDSTER**
- **TRICKSTER**
- **SCAM ARTIST**
- **CHEATER**
- **SWINDLER**
- **DOUBLE DEALER**
- **HOAXER...?**

DO WE NEED TO CHANGE OUR THINKING AND THE LANGUAGE OF FRAUD?

- **FINANCIAL ABUSER**
 - **CRIMINAL**
 - **THIEF**
- **DRUG DEALER**
- **MONEY LAUNDERER**
 - **TRAFFICKER**
- **TERRORIST...?**



STOP USING THE
FWORD....

START USING THE
CWORD!!!

\$%#@!&



**STOP USING
'FRAUDSTER'...**

**START USING
'CRIMINAL'!!!**

\$%#@!&

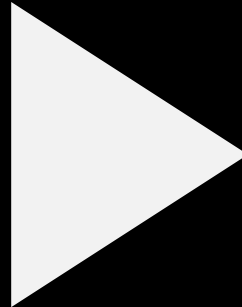
WHAT DOES A
'FRAUDSTER'
LOOK LIKE?





THE IMPACT AND HUMAN COST OF FRAUD

[Click below to view video](#)



THE IMPACT AND HUMAN COST OF FRAUD

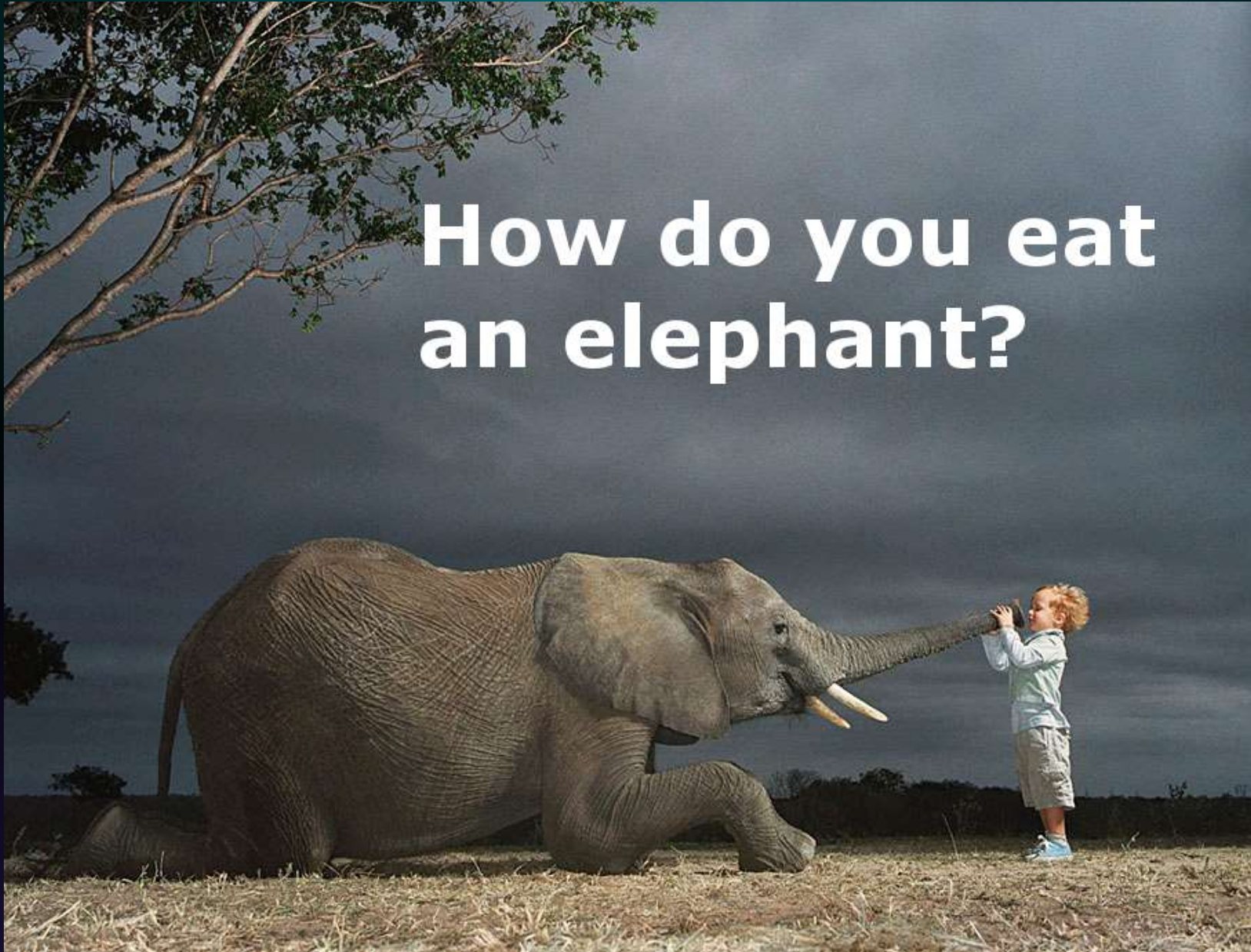


BRACE YOURSELVES

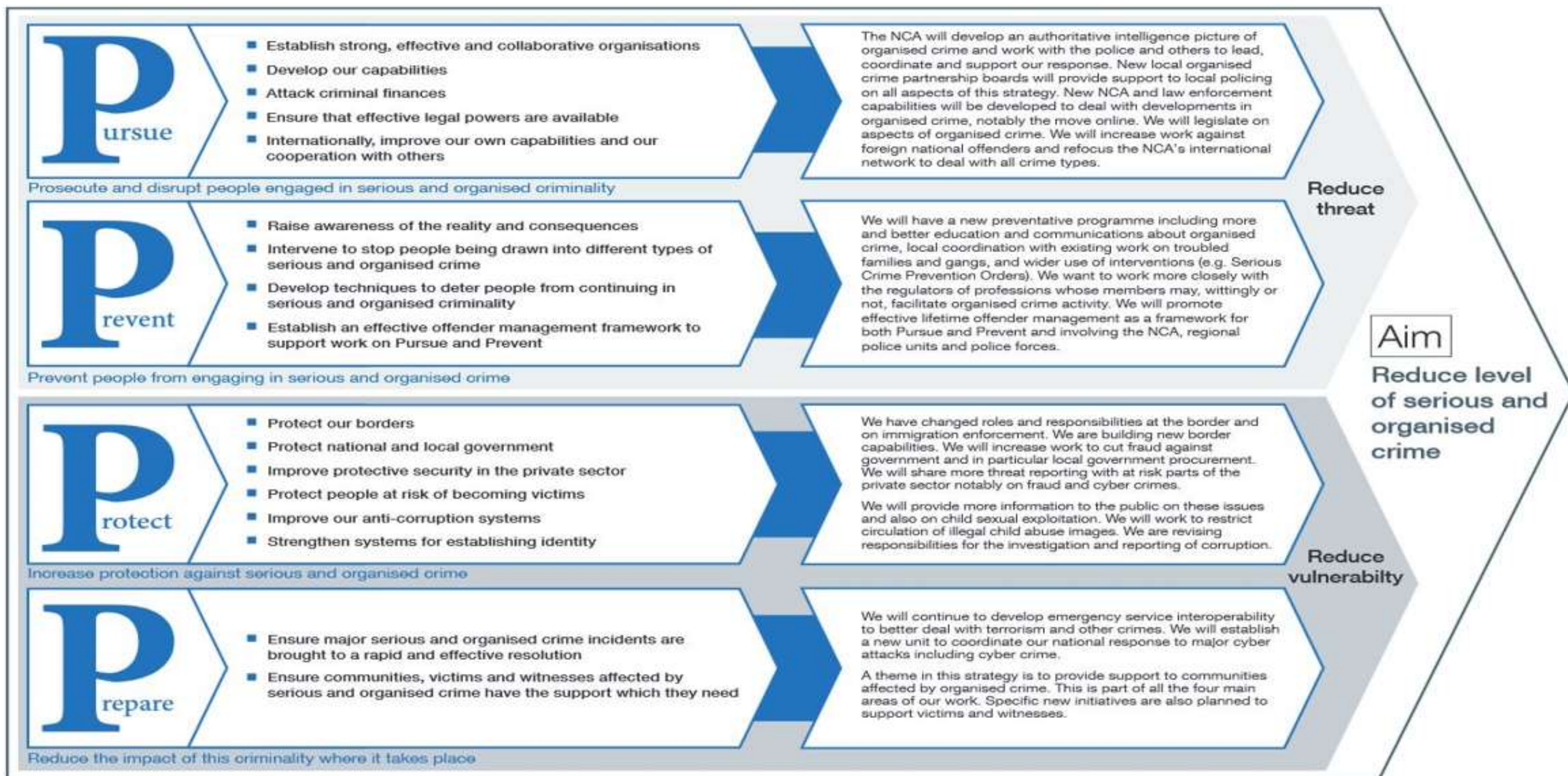


THE END IS NIGH

**How do you eat
an elephant?**



Serious and Organised Crime Strategy



Pursue

Prevent

Prepare

Protect





NERSOU
NORTH EAST REGIONAL SPECIAL OPERATIONS UNIT

*Protecting communities
from organised crime*

“The **important** thing is
that we **stick together!**”

Buzz Lightyear



North East

RECC

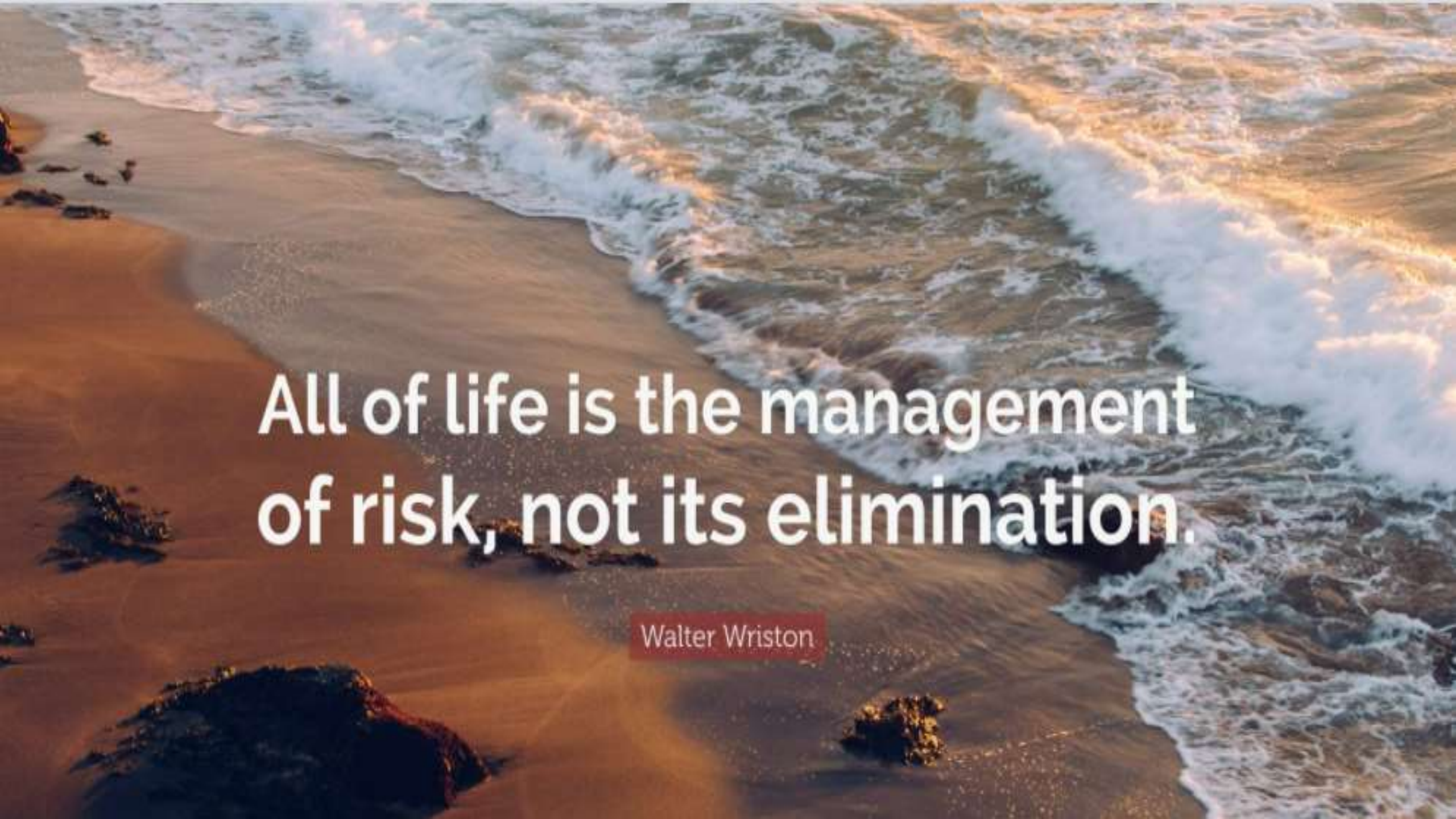
Regional Economic Crime Coordination Centre

Action Fraud

National Fraud & Cyber Crime Reporting Centre

0300 123 2040



An aerial photograph of a beach at sunset or sunrise. The ocean waves are breaking onto the shore, creating white foam. The sand is a warm, golden-brown color. Several dark, jagged rocks are scattered along the coastline. The overall mood is serene and contemplative.

**All of life is the management
of risk, not its elimination.**

Walter Wriston