Sharpening up CPTED A toolkit to better plan cities in the future Paul Ekblom

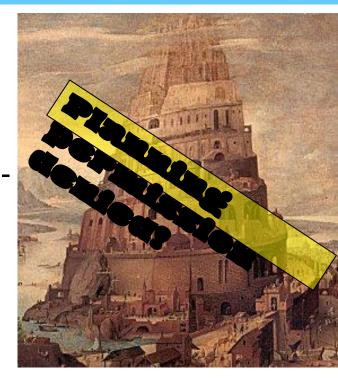


university
of the arts
london
central
saint martins



CPTEDbabel?

- The Tower of Babel story in the Bible is a pretty good analogy for CPTED
 - It relates to the built environment
 - It could be seen as a crime impact statement -'OMG! Says Jehovah, If they can build this, they're capable of doing anything!'
- But most seriously, we do face the issue of linguistic confusion: if we stretch this to include conceptual confusion, it's where I believe CPTED is today
- I'm a firm believer in CPTED, but I want it to be as good as it can be so what follows is a constructive critique rather than the



What's coming up

- Confusion within CPTED difficulty coping with the present, let alone the future
- How the confusion happened
- Wider confusion
 - Between CPTED and other preventive approaches
 - Within crime prevention more generally
 - Within security
- The consequences of these confusions
- How to make things better discourses, definitions and frameworks... experimental thoughts

And...

CPTED and the future – nature of anticipation and how to do it

Confusion within CPTED

- All the core concepts of CPTED overlap
 - Where does defensibility end, territoriality begin? Likewise defence and access control?
- All fail to distinguish between nature of Action and qualities of Place
 - Defence & Defensibility, Surveillance & Surveillability etc
 - And Territorial motivation/emotion, Territorial behaviour and plain Territory
- All fail to distinguish between Preparation & Operation
 - Installation of Walls enabling Defence
 - Sightlines enabling Surveillance
- Target-hardening has particular limitations
 - What **exactly** is the target to be protected the house or the Ultra HD TV set inside it?
 - And what about target softening?











Research by Victoria Gibson & colleagues at University of Northumbria

- Analysis of 64 CPTED documents identified
 - Significant terminological conflicts
 - Free-for-all use of vernacular terms to characterise CPTED framework, with little rationale – e.g. substitution of 'Movement Control' for 'Access control'
 - CPTED organised under anything from 3 7 headings
 - But total of 58 terms used
 - 25 out of 64 papers offered a framework either of the author's own interpretation or unreferenced

D. Johnson, V. Gibson and M. McCabe (2014). 'Designing in Crime Prevention, Designing out Ambiguity: Practice issues with the CPTED knowledge framework available to professionals in the field and its potentially ambiguous nature.' *Crime Prevention and Community Safety* DOI: 10.1057/cpcs.2014.3

How did this confusion happen?

- CPTED has built up like a stack of pancakes, with an accretion of successive terms and concepts from different writers – Jacobs, Jeffrey, Newman, Coleman, Poyner
- This resembles succession of 'schools' of architecture and design practice – Bauhaus etc. – in extreme cases each school rubbishes its predecessors
- And now we have 'generations' of CPTED 1x2nd, and at least 2x3rd gen – added content is good, but
 - Concern about revolution rather than accumulation
 - Divisive among practitioners/theorists
- We also have 'quick grabs' of ideas from other criminological domains – Opportunity, Broken Windows – which are then 'stuck on' to CPTED often uncritically with regard to evidence, and without much attempt to integrate the underlying theory or concepts







Confusion between CPTED and other approaches to crime prevention

- CPTED label often used synonymously with crime prevention in general
- This risks
 - Over-reaching our expertise
 - Diluting quality of knowledge in both fields

Confusion within Crime Prevention more generally

- Lack of clarity over status of Routine
 Activities, Rational Choice are they
 theory, perspective, truism, approach? Is
 Pattern Theory a theory?
- Opportunity is oversimplified
 - Not just 1) something 'out there in the environment enabling action' but also defined by
 - 2) offender's **resources** to exploit and cope; and
 - 3) offender's **goals** opportunity to do what?



- Sloppy usage
 - 'Likely offender' of Routine Activities (includes capability) shrunk to 'motivated offender'
 - Guardian used for all preventer roles including place manager, handler of offender... and where are the planner, designer, architect and developer?

Confusion within Crime Prevention more generally

- Poor integration between perspectives
 - RC is psychological, RA ecological, PT spatial
 - All use slightly different terminology, or same words with different nuances
 - Put together, they have gaps and partial overlaps
 - And they shy away from offender-related factors knowing about offender goals, resources and emotional/motivational Precipitators can help design situational interventions
 - Prompts, Provocations, Permissions and Pressures (Richard Wortley)
- Process model (SARA) too crude
 - Response covers huge diversity of action, from fitting locks to running security campaigns to building Olympic stadia – hard to capture, organise, retrieve, articulate practice knowledge



Confusion within Security

- Many meanings of
 - Threat (risk, hazard, intent, intent + capability)
 - Vulnerability (weak points, exposure, manifest risk pattern)
 - Hazard (harmful event, something with potential to cause harm)
 - Risk (likelihood, likelihood x harm; negative uncertainty or all uncertainty)

What are the consequences of the confusion?

- Our tools for thinking & communicating about CPTED principles and CPTED action are blunt & inefficient
- Operationally, in the here and now, this can
 - Limit the scope of the problems we can tackle
 - Allow objectives to drift e.g. from inclusive community safety to exclusive gated security
 - Reduce the quality of interventions suggested/ designed to address particular problems
 - Constrain our ability to undertake the CPTED process as professionally and rigorously as we might
 - Disadvantage CPTED in the wider planning/ development process
 - Hinder collaboration within CPTED locally, nationally and internationally, and limit the transfer of CPTED principles to other cultures and contexts



What are the consequences of the confusion?

- In the background, the conceptual confusion can
 - Hinder collaboration and cross-fertilisation with wider disciplines/ professions – especially links with criminology, security and architecture
 - Hinder the capture, consolidation, retrieval & sharing of practice knowledge – efficient training and briefing is increasingly important with staff turnover/ reductions
 - Jeopardise formal research, evaluation of what works, & theory building
 - Hinder computer simulation/ agent-based modelling which can increasingly contribute to research, training, planning/ design of developments, and to crime impact assessment
- Imagine medicine or chemistry without a controlled vocabulary

What are the consequences of the confusion?

- Facing the future, the conceptual confusion can
 - Leave residents, other users, police and government with a legacy of vulnerable buildings for decades... any retrospective fixes may be expensive, ugly, user-unfriendly
 - Constrain innovation and adaptability to new threats, new uses in the face of
 - Changing social and technological context which generate new conflicts, new pressures, new opportunities for crime
 - And adaptive criminals and terrorists who can exploit these opportunities

Consequences of confusion – the example of Territoriality



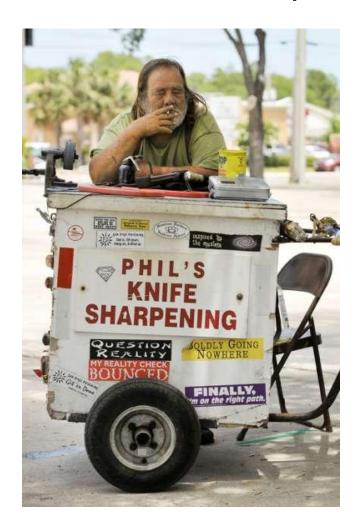
The example of Territoriality

Territoriality is central to CPTED – but **poorly defined**, so we can't

- Reliably spot weaknesses in design relating to territoriality
- Positively design for territoriality designers need clear briefs
- Monitor & adjust mechanisms of prevention (how designs work)
- Clarify values embedded in design (e.g. connection with inclusiveness)
- Undertake innovative tradeoffs with values outside security e.g. between territoriality and aesthetics
- Handle tradeoffs and conflicts within security e.g. territoriality v surveillance (walls demarcate private space, but may block sightlines)
- Be alert to **cultural differences** in how territoriality is interpreted

How to make things better?

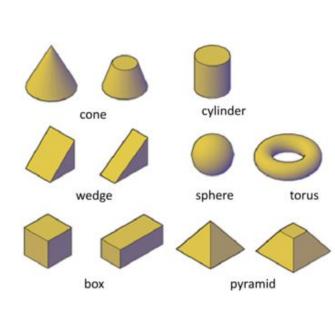
Time for a sharpener





How to make things better?

- Since all core principles of CPTED overlap, to understand Territoriality, for example, we have to simultaneously understand the rest of the concepts – they define each other
- So we need to deconstruct them and develop definitions in depth – to expose the 'buried connections' between the concepts and link them up
- Those definitions all need to be in a common set of discourses and draw on same set of subsidiary concepts/ elements
- This means setting out and combining:
 - Environmental/architectural discourse –
 building properties, structures, features
 - Crime prevention discourse risks,
 causes and interventions
 - Security discourse threat, hazard, mitigation
 - Action and implementation discourse the messy people bits without which it all fails
- With each, we must start with primitives



Discourses of environment & architecture – primitives

Causal properties

- Space
- Movement
- Manipulation/force
- Shelter/refuge
- Perception/ prospect
- Understandability/ information
- Motivation/ emotion
- Ownership,competition, conflict
- Each has physical, psychological and social dimensions

Structural Features

- Nodes
- Paths
- Barriers /screens
- Enclosures/ containers
- Furniture
- Signage

Content

- People (bodies)
- Furniture
- Mobiles (cars etc)

Expanding the detail of properties, and of features & content that confer them

- **⇒**Sight
 - Light
 - Discrimination camouflage etc
 - Sightlines
 - » features affecting this property:
 - Dog-legs, Sight screens, Barriers, Recesses, Enclosures, Containers
 - content affecting this property:Crowds, Parked cars

What is crime risk? Definition in depth

Possibility – nature of criminal event

Who does what illegal act to whom/what?

Probability of event

How likely is it to happen?

Harm from event

What is the harm?

When does it happen – immediate, knock on or prolifferation of crime?

To whom and/or to what?

Crime
risk
has
several
aspects

Unintended harm from crime prevention

What is crime prevention?

- Crime prevention seeks to reduce the risk of criminal events
- In particular, to

Eliminate possibility of crime

or if not

Reduce **probability** of criminal events

or if not

Reduce or mitigate **harm** when events do happen – including propagation of crime

Equivalently by

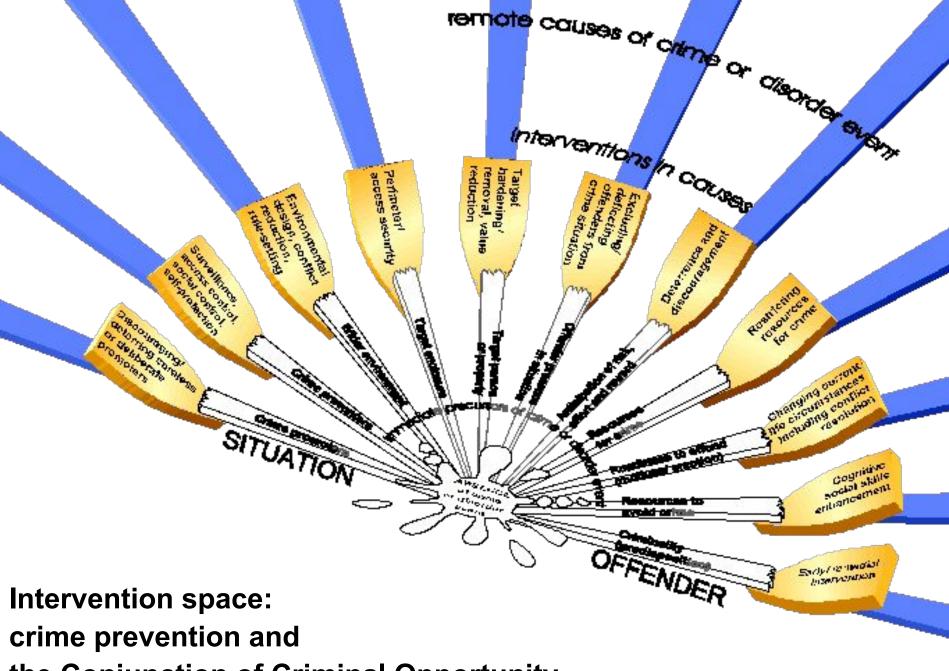
- Intervening in causes
- Frustrating criminal goals/ plans

Discourse of Crime and Crime Prevention – causes and interventions



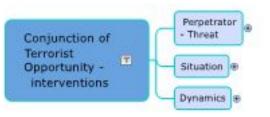
Very simple – but very limiting – can't handle the detail

Diagnosis space: Causes of crime or disorder every the Conjunction Anticipation of risk, of Criminal Offender effort and reward **Opportunity** Assorting State of the state of Target person in situation or property presence Readiness to offend Wider environment (motives amotion) nem plecursors of crime or olsonger Lack of skills Absence of crime preventers to avoid crime **Criminality Crime promoters** (predisposition) Crime or disorder event SITUATION **OFFENDER** More complex – but more detail, wider scope and richer connections with environment, enclosure, target



the Conjunction of Criminal Opportunity

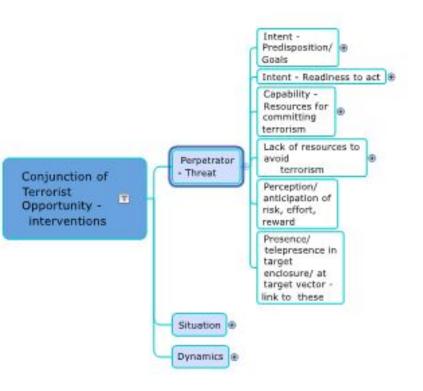
Combining environmental properties and crime preventive interventions – Counterterrorism project



EU Project on what works in tackling terrorism at complex stations

Start with map of causes of terrorism events, and the perpetrator perspective, and drop the interventions onto them later

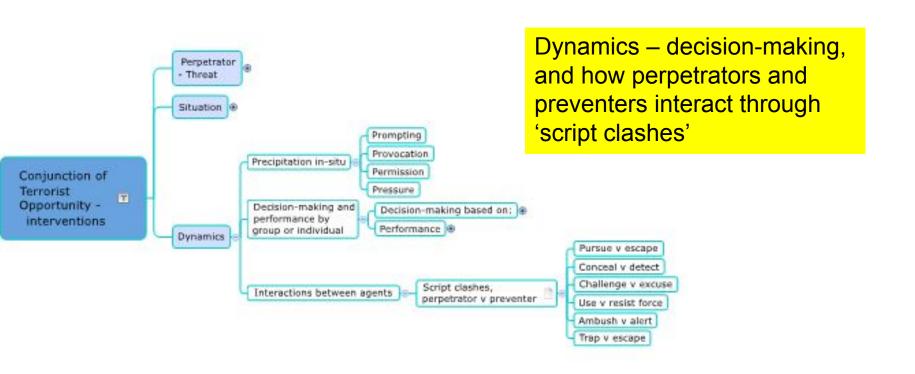
www.hud.ac.uk/research/researchcentres/acc/projects/reducing-serious-crime-and-terrorism-at-mmpts/

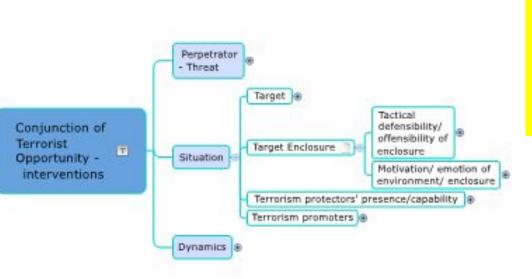


Start by 'thinking perpetrator' – intent, capability, perception, presence

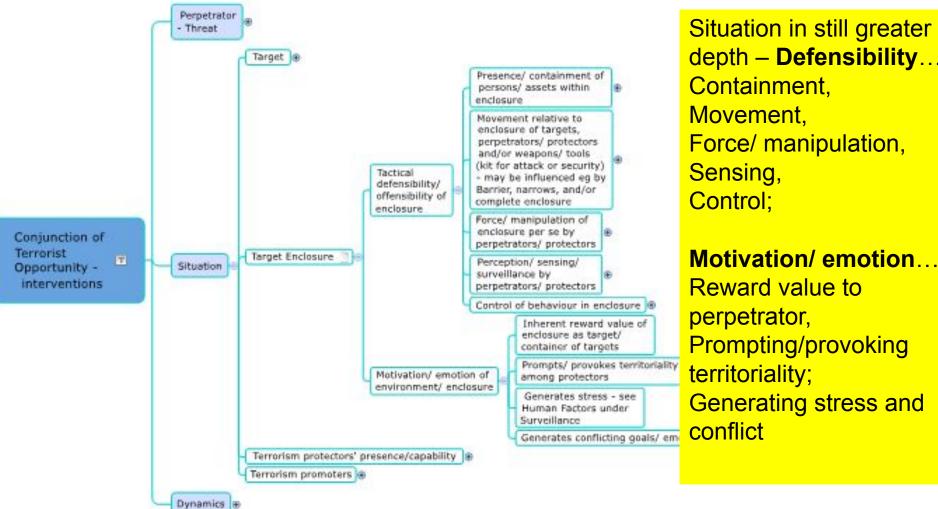


Then 'think situation' – target, target enclosure, preventers and promoters



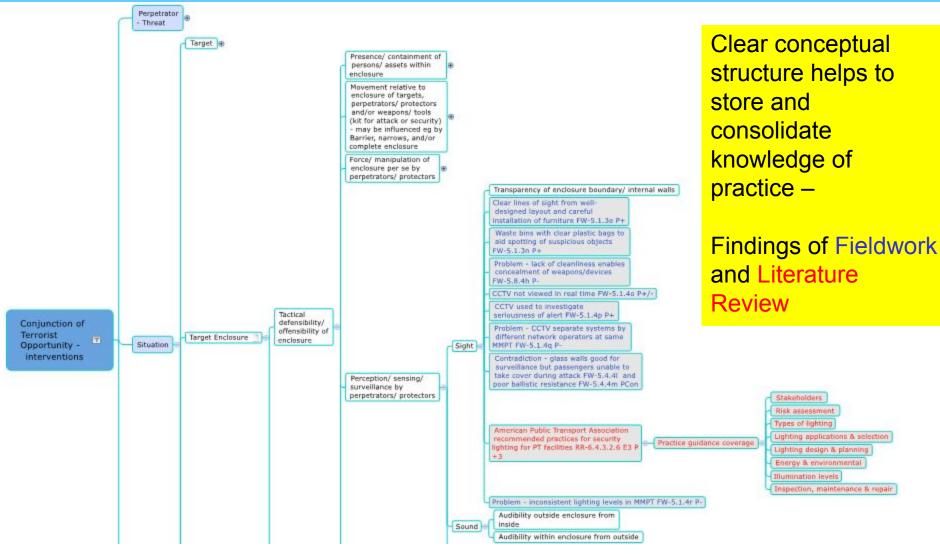


Detail of situation – target, target enclosure... its defensibility and offensibility, and motivational/ emotional properties

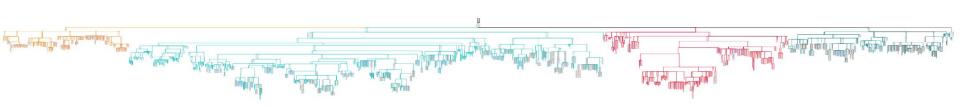


Situation in still greater depth - Defensibility... Containment. Force/ manipulation,

Reward value to Prompting/provoking Generating stress and



Storing knowledge of practice – **the whole caboodle** – 400-odd items of research, guidance, fieldwork

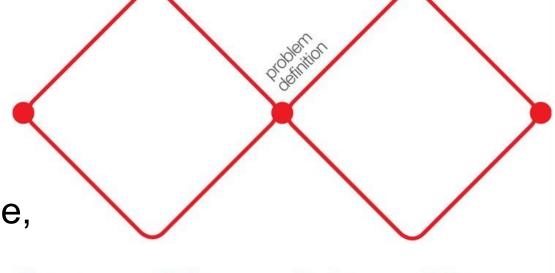


Discourse of Design – Process models

 Ted Kitchen – CPTED lacks a decent process model

 Design has a generic model – the **Double Diamond**

 Not so far removed from Designate, Define, Design



Develop

Review ideas

thinking and

design

through culture

Define

Creative work

generation

shops and idea

Deliver

Prototyping,

mentoring

selection and

Discover

Behaviour-led

design research

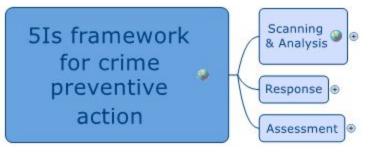
Discourse of Crime and Crime Prevention – Process models

5Is framework for crime preventive action

- Crime prevention has SARA
 - Scanning, Analysis, Response, Assessment
- But also 5ls which can catch more of the detail and complexity of preventive action
 - The better to connect with CPTED

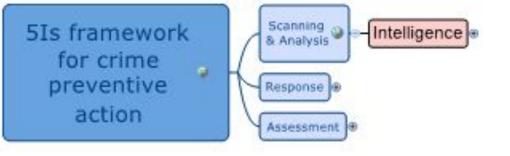
http://5isframework.wordpress.com

Discourse of Crime and Crime Prevention – Process

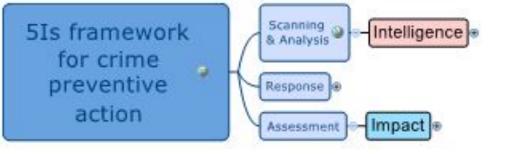


Starting with familiar equivalent – SARA

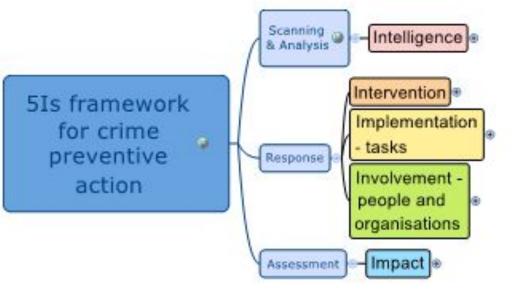
Discourse of Crime and Crime Prevention – Process



Discourse of Crime and Crime Prevention – Process

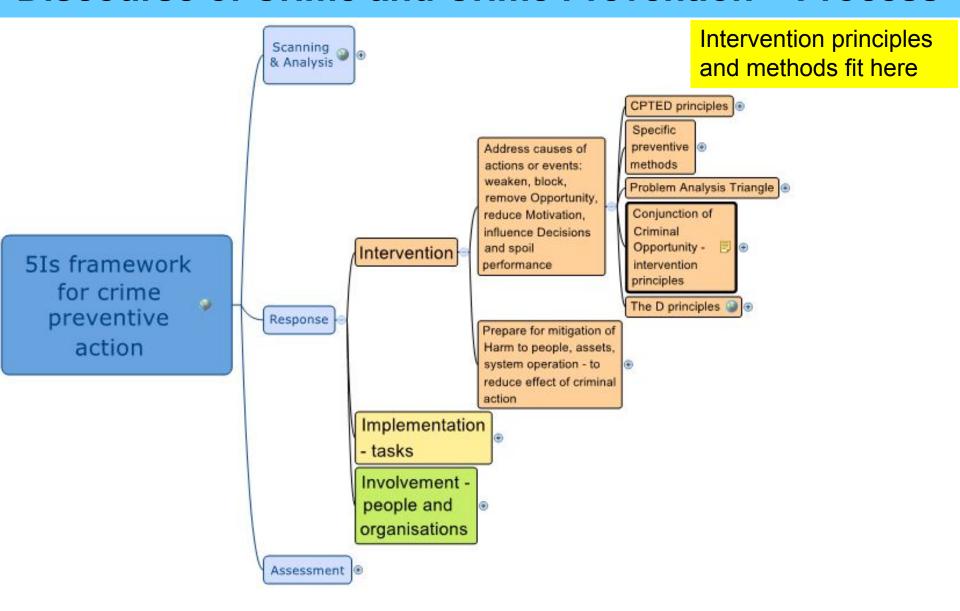


Discourse of Crime and Crime Prevention – Process

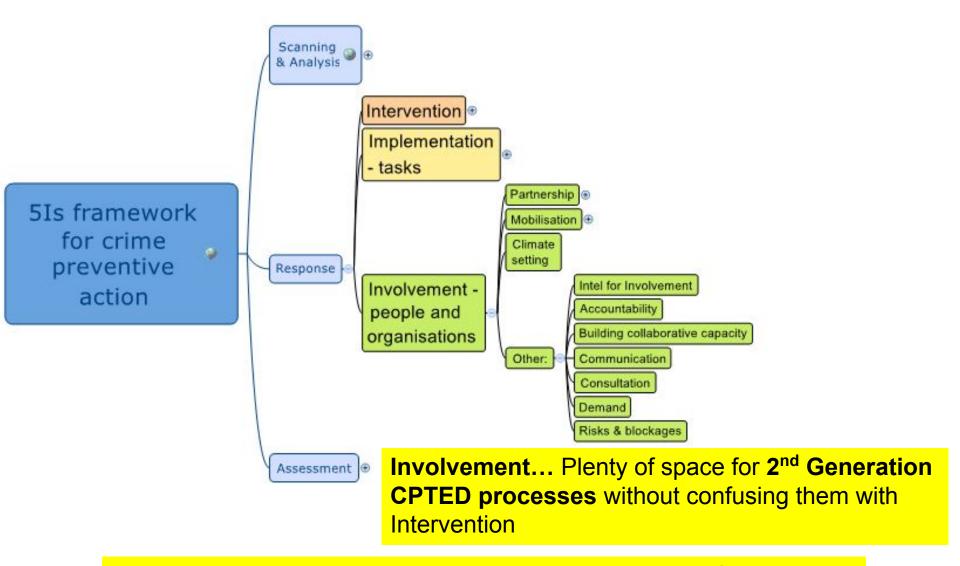


SARA's Response task expanded

Discourse of Crime and Crime Prevention – Process



Discourse of Crime and Crime Prevention – Process



Task (to be done) is to adapt 5Is to articulate all the specific processes of CPTED so there is a common family of process models

Towards a controlled vocabulary: Developing definitions for CPTED

- Aim is to define and determine the scope of
 - The CPTED field as a whole
 - Its individual principles
 - How the principles relate to one another
 - How the principles relate to wider crime prevention and security
 - Ultimately, how they relate to wider design requirements for the built environment – what we want more of, as well as what we want less of

A Definition of CPTED

CP Reducing probability of crime and related problems, and their consequent harm, and enhancing the quality of life through community safety, by intervening in advance to block causes or equivalently, frustrate offenders' plans/goals

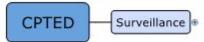
ED By using processes of planning and design of environment

- On a range of scales and types of place from individual buildings and interiors to wider landscapes, neighbourhoods and cities
- To produce designs that are 'fit for purpose', and contextually appropriate in all other respects, achieving a creative balance between
 - the efficiency of avoiding crime problems before construction
 - and the adaptability of tackling them through subsequent management and maintenance
- And between
 - what we want less of (crime), and what we want more of (positive community life)

Definition of principles – Surveillance

- Surveillance is an activity for which someone or some institution, acting in a crime preventer role, has taken responsibility
- Surveillability is an instrumental property of the environment conferred by features e.g. sightlines and lighting, that facilitate surveillance; and content e.g. obscured by parked cars
- Surveillance may be undertaken in support of Territoriality and may exploit advantages of Defensible Space (prospect)

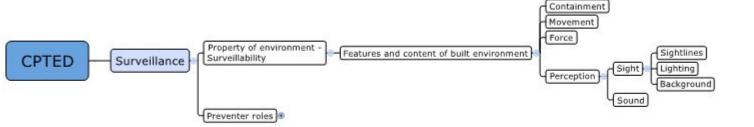
Surveillance – concept map



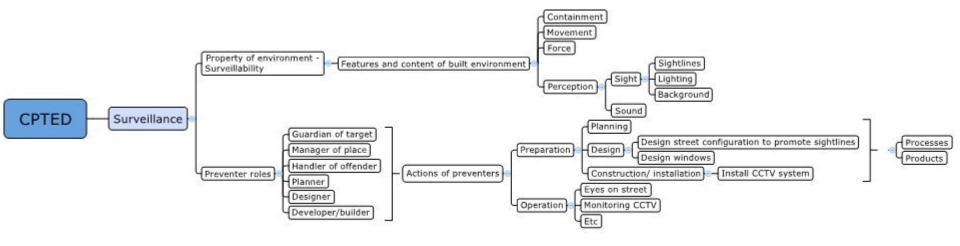
Surveillance – concept map



Surveillance – concept map



Surveillance - concept map



The fine details under each of these headings could well be modified by new research (e.g. interviews with offenders) or future changes in offender and preventer behaviour – but the overall framework is designed to be a flexible, adaptive 'learning engine'

Definition of principles – Territoriality

- Territoriality is both a value in itself (an Englishman's home is his castle) and an instrumental means to crime prevention ends
- As used in CPTED practice and literature, it is unclear whether it is a human attribute, or a socially-ascribed and physical property of space
- Best to consider it as both (territoriality and territory), subsumed under an ecological framework which includes human agents in relation to their environment

Territoriality – human side (1)

- A complex propensity of perceptual, emotional and motivational tendencies, goals and resources leading to responses of acquisition, preferential enjoyment, ownership, management, control and defence of a tract of space
- These processes may operate individually or collectively at group, community, institutional or national level
- Territoriality is a common human propensity but may be realised and communicated differently by different individuals and/or (sub)cultures

Territoriality – human side (2)

- Territory is held relative to other possible owners,
 so
 - There have to be relations of either acceptance/legitimacy or conflict between private parties, or with the involvement of the community and/or state
 - and cultural understandings of concepts of ownership,
 norms (and laws) of legitimate acquisition, use, defence etc
- Territoriality in particular requires people's roles to be understood
- Sharing of territory will pose particular issues

Territory – spatial side (1)

- Has to be extended in space and durable over some time period (brief or lasting)
- May extend into virtual or cyber space
- Will normally have properties relating to utility to users
 - Either for itself (a private garden to enjoy)
 - Or as an **enclosure** to secure their person and belongings
- Has to have the properties of identifiability (whose is it?) and demarkability (where is it/what are its boundaries?)

Territory – spatial side (2)

- May also have properties of access control and wider defensibility, both of which may be facilitated by surveillability and hardening of enclosure
- Will have an image to the owner and/or to other parties
- Will usually require maintenance, which influences image
- All these properties may be influenced for good or for bad by
 - The design of the environment on micro to macro scales
 - In interaction with the social context

Definition of principles – Defensible Space

- An instrumental property of the environment
- Conferred by features eg barriers and markers, plus the property of surveillability
- Linked to capacity of people to defend it through human resources (eg numbers, assertiveness, knowledge of how to challenge and respond) and technical resources eg alarms
- Defending the space is an activity closely linked to Territoriality

Definition of principles – Target hardening

- A preventive activity whose purpose is to give material or informational targets of crime the property of resistance to physical attack in the service of some offender's attempt to misappropriate (steal), mistreat (damage), mishandle (counterfeit, smuggle), misuse (as tool or weapon) or misbehave with (in antisocial behaviour)
- Note that hardening the target is often confused with hardening the target enclosure such as a building or compound which offenders wish to enter – this last is achieved eg by creating, strengthening or heightening barriers
- Hardened enclosures may contribute to Defensible Space
- Target hardening of built environment against mistreatment, misuse or misbehaviour may aid (or spoil) Image and Maintenance

Definition of principles – Access control

- An activity intended to
 - Discriminate between individuals seeking to enter the interior space of an enclosure (in terms of who, when, what carrying/wearing and how they are behaving)
 - Prevent their committing crime by their presence (eg minors in a bar), or their actions once within the enclosure
- May be motivated and facilitated through Territoriality acting on owners/managers and visitors
- May be facilitated by Defensible Space

Definition of principles – Activity support

- A property of the environment which variously
 - Alerts, informs, motivates, empowers and directs people to enter it and remain there
 - Where they act as users playing legitimate roles/ undertaking legitimate activities, and double up as potential crime preventers
 - And/or which channels them away from conflict over space, noise, incompatible behaviour etc
- Legitimate users may supply preventive support by
 - Occupying space that would otherwise have been taken by (potential) offenders
 - Their mere presence may deter and discourage offending
 - Or they may undertake surveillance and make appropriate preventive responses including informal social control
- Territoriality may empower owners/managers to influence activity support, & visitors to accept influence

Definition of principles – Image & Maintenance

- Image is an individually/collectively held perception with emotional content
- It relates variously to
 - Crime risk
 - Wider community safety/quality of life
 - Reputation of residents/users etc
 - Influencing people's decisions and actions (eg to visit, work, live there)
- Image and maintenance together may influence objective crime risk by prompting, provoking or permitting offending through broken windows-type processes

Image & Maintenance

- Maintenance is activity (or the state of an environment reflecting that activity or its absence), which influences image
 - Both in terms of the litter, graffiti etc which may be present
 - And by the perception of the very fact that someone is/is not doing the maintenance
- Maintenance relates to Territoriality in terms of
 - Individuals, families or institutions being motivated and permitted to take responsibility for undertaking maintenance of a given space
 - and defensibility and access control to enable them to do the maintenance without interference, or risk of it being messed up

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Overall message

- CPTED needs a controlled vocabulary and sharpened concepts...
- But we designers against crime must combine discipline & rigour with exploration & creativity
- And this must cover material, informational and social dimensions
- The people stuff in particular is what makes or breaks CPTED



CPTED and the future

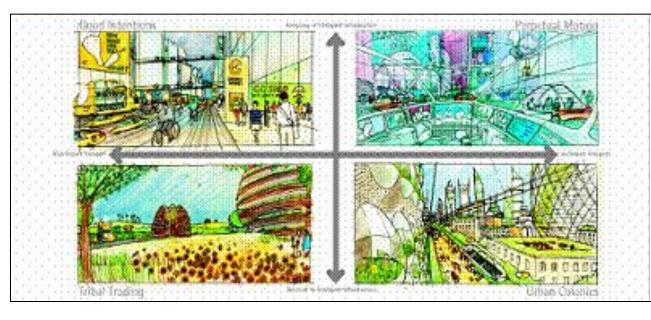
Every design is a bet on the future

- Can the product be made, the place be built?
- Will it work?
- Will it last or fall to bits?
- Will it sell at a profit –
 what's the competition?
- Will people use it as intended?
- Will it be involved in crime?
- With buildings, crime legacy might last decades



Changes coming up

- Changing crime new tools, new targets
- Changing priorities
 - Sustainability
 - Low energy
 - Resilience to climate shift, terrorism

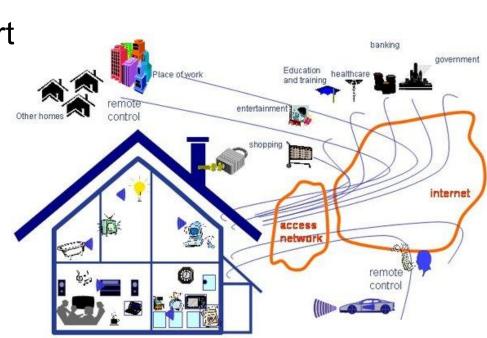


Privacy/freedom v security

Changing crime context for built environment

Changing context on all scales – crime threats and CP opportunities

- New land uses
- Blur between products, places, systems
- Intelligent homes/products linked to internet IoT
- Automobiles v public transport
- Cameraphones changing nature of 'eyes on street'
- Intelligent CCTV, multimodal alarm systems
- New materials sensitive, resilient, anti-graffiti?
- Drones





Getting it wrong





Importance of crime futures mindset: failure to think thief



Or a tool for crime?

Response: The No ClimBIN Jenny Loqvist Griffith University Australia 2008



Competition organisers

Design Out Crime Research Group Curtin University Australia www.designoutcrime.org

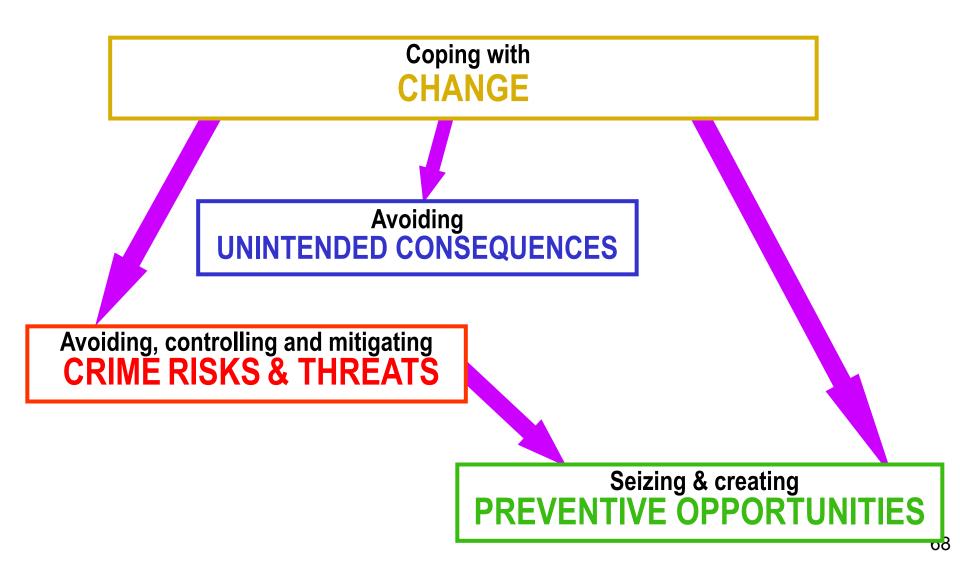
Failure to 'think drug user' or 'think urinator'



Crime harvests: What made Queen Victoria turn red?



The Anticipation dimension



The Anticipation dimension

- Crime Risk Assessment specific incoming threats from elsewhere affecting one's own activity/ assets
- Crime Impact Assessment specific generated/ exported threats emanating from one's own activity
- Horizon Scanning
 - All-encompassing approach over a range of timescales eg 5-50yrs
 - needs wider knowledge of **trends** and forecasting of **events** over
 'PESTLES' dimensions (political, economic, social, technological, legal, environmental, scientific) and their interactions
 - Makes plausible forecasts backed by evidence, theory and logic – inexact but not wild guesses or fringe ideas
 - Helps manage a range of risks and opportunities 'futures thinking', not 'predicting a specific future' policy and practice designed to be robust across this range

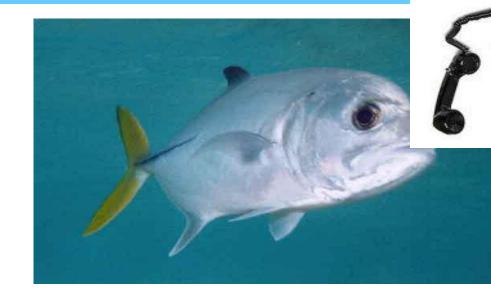
How to Anticipate — Building on knowledge of correlations & causes

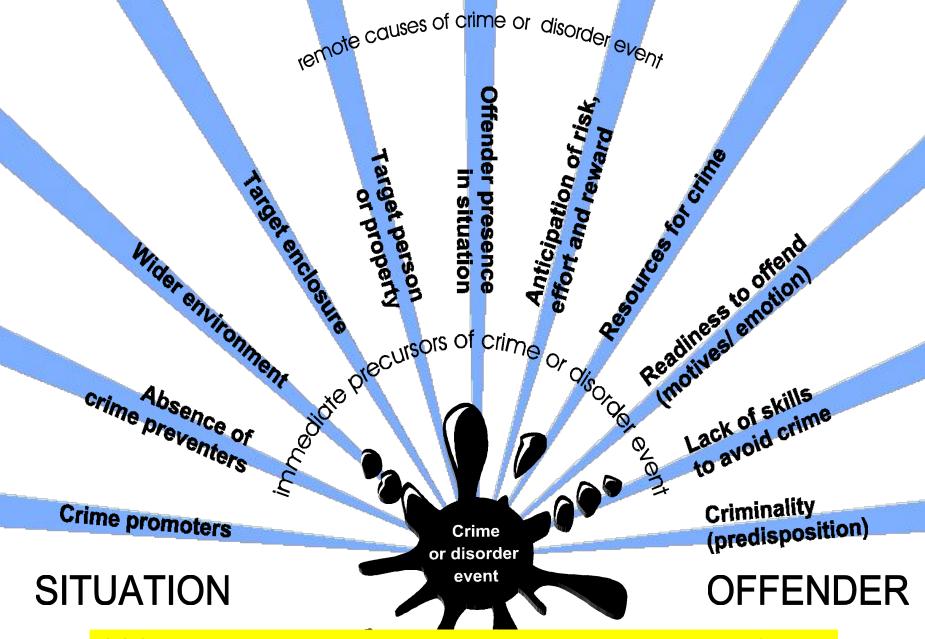
Empirical approaches

- Projection of linear trends
- Statistical modelling of cycles etc
 - eg time series techniques
- Risk and protective factors
- But nonlinearities

Theory and logic

- In each case we can use CCO (as an integrated map of theories) to systematically ask 'Will the forecast changes affect this cause of crime, beneficially or harmfully? Will the changes affect the efficacy of this preventive intervention? And how easy it is to implement in practice?'
- We can home in further by focusing on specific types of crime problem tackled
- Major issue with all theory-based approaches is that many causes interact CP theory has limited knowledge of such interactions
- Simulation software agent-based modelling may be able to explore emergent processes from these interactions





CCO – theoretical mechanisms – we can look at the *causes of these immediate causes*, and how these might change in future

CCO covers crime in general. But what *kinds* of risk might Built environment assets & services face? Misdeeds & Security framework

Mistreatment (damage)

Misappropriation (theft)

Mishandling (e.g. fraud)

Misuse (e.g. site for ambush)

Misbehaviour (nuisance, conflict)

Mistake (e.g. false alarm)

Target of crime

Contributor
to crime
eg resource or
provocation

Downside of prevention

Risk factors for Misappropriation Hot Products

- Concealable
- Removable
- Available
- Valuable
- Enjoyable
- Disposable



Addressing tactical 'Script Clashes' between offenders and users/preventers

Wield force v resist (Damage v protect, Injure v keep intact)

Act at will v control misbehaviour

Conceal traces and tracks v detect

Take v keep

Confront v avoid

Surprise/ ambush v be alert

Challenge suspect v give plausible response

Surveill v conceal

Snoop v maintain privacy

Pursue v escape

Trap v elude

Conceal criminal intent v detect

- These clashes
 - Influence criminal plans and outcomes
 - are generic and perennial will always need to be faced
- Innovations can disrupt the balance of these clashes, and favour one side over other – which side will gain from a sudden breakthrough in future?
- We must design things to advantage the good side preferably in anticipation
- Approaches to inventiveness like TRIZ highlight these contradictions, and also identify evolutionary trends in invention

Crime Futures: putting it all together, e.g. for Public Housing Organisation

Forecast background changes

- Political
- •Economic
- Social
- Technological
- Environmental
- •Legal
- Organisational
- Media
- Infrastructure

In wider society

In HO partners' immediate operating environment

Internal to HO and to partners

Capacity and motivation of HO to prevent & react to trends/ events

- Before
- During
- After those events
 - •Intelligence anticipate & spot emerging trends/ events
 - Intervention –
 plan preventive
 interventions, and
 reactions
 - Implementation make preventive and reactive actions happen
 - Involvement —
 mobilise other
 organisations and
 individuals, engage in
 partnerships and set
 climate

Actions of HO relating to CDT trends/ events

- Before
- During
- After those events

Changes in stakeholders' perceptions and concerns about CDT events

and HO actions

Forecast
changes in
influences on
stakeholder
perceptions and
concerns about CDT

Forecast changes in causes of CDT events

Causes of CDT events

Changes in risk – patterns & trends of Crime, Disorder or Terrorist events re public housing

Consequences of emergent patterns &

trends in

- CDT events
- •CDT perceptions

HO prevention

HO reaction

For HO – bad/good

- Operations
- Finance
- Reputation

Arms Races – Co-evolution between offenders and preventers – e.g. Safes and Safecrackers



Gearing up against crime – A dynamic strategy for arms races

- Encourage variety, develop and disseminate innovative capacity
- Design to performance standards/ generic principles
- Study offender resources current and future
- Exploit new technology for prevention
- Avoid rigidity and lock-in
- Future proofing
- Pipelines
- Learn from other evolutionary struggles

Learning from other struggles

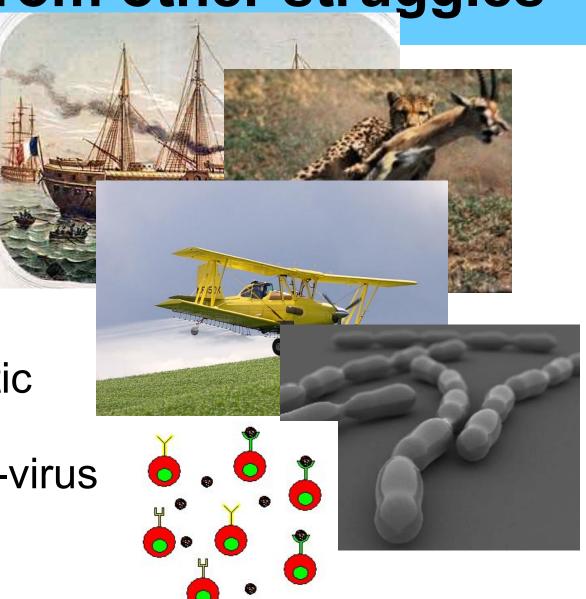
Military

Predator-prey

Pest-farmer

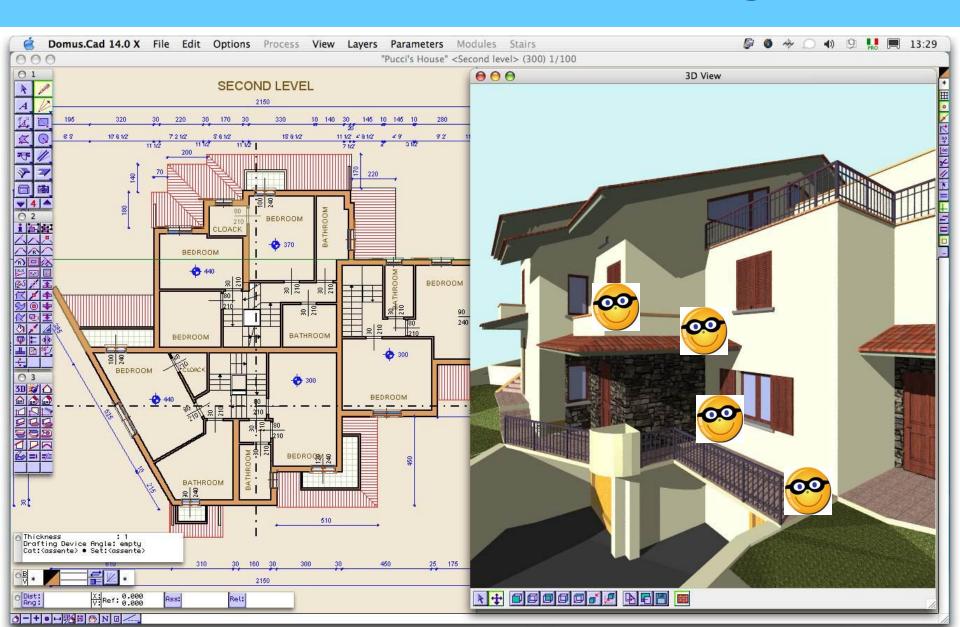
Bacteria-antibiotic

Immune system-virus



Technology of design visualisation – Helping designers, clients and users with virtual reality design aids

Computer aided design



Virtual Reality for lighting design

- Enables designers to visualise lighting before implementation
- Provides a means of communicating design ideas to different interest groups







Assignments (1)

Walk round a particular commercial or residential area. Choose 1 of 3 alternatives to do:

Imagine the impact on crime, and on security, of a range of future trends affecting the built environment or people's use of it

- Eg new materials (smart or passive), Internet of Things,
 Augmented Reality, autonomous vehicles, drones, flexible electronics, smart lighting, smart buildings, SCADA (industrial remote control systems)
- How might these (or others) affect the actions of criminals or those of people who might be potential victims, private security personnel or police?
- How might they change how we implement the principles of CPTED (surveillance, access control, management/maintenance, target hardening etc)?

Assignments (2)

Think about the range of 'script clashes' between offenders and preventers (who might be ordinary users or people responsible for security)

- Eg pursue v escape, conceal presence or criminal intent v detect, use force v resist force, ambush v be alert, trap v escape, gain access v prevent access
- Looking at the built environment where you are walking, how might its specific features or configurations favour one party or the other in the various script clashes?
 - Eg a recess in a wall might favour ambush over being alert.
- If they favour the bad guys, how might they be redesigned to favour the good?

Assignments (3)

Find some features of the environment that may increase the risk (likelihood, harm) of crime

- Who (individuals or public/private organisations including businesses) might be responsible for creating the opportunities or precipitators (prompts, provocations, permissions, pressures), or allowing them to remain in place?
- How might it be possible to influence these people ('crime promoters'), mobilising them to prevent crime, or at least not actively to promote it?

Contact/info

reconstructcpted.wordpress.com

5isframework.wordpress.com

designagainstcrime.com/methodology-resources/crime-frameworks/

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