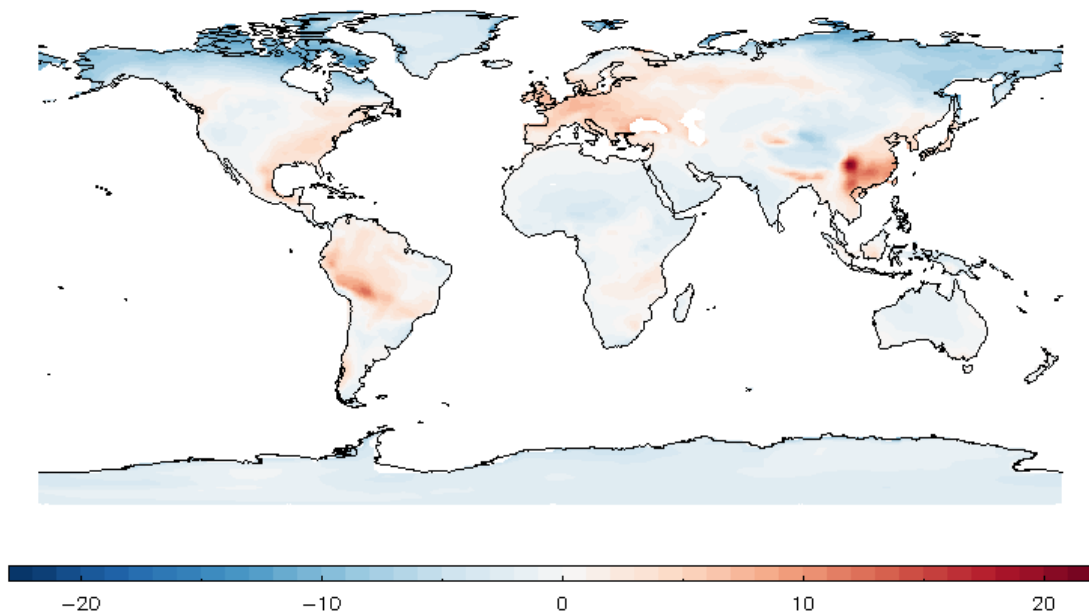**Chris Smith @chrisroadmap**

1. The impact of climate change on the solar energy resource #UoLTweCon

2. Some areas will see changes in solar radiation reaching the Earth due to changes in cloud cover and aerosols #UoLTweCon

3. Temperature also affects solar cell efficiency. For silicon cells, efficiency declines by about 0.45% per degree C rise #UoLTweCon

4. Climate model data shows future solar photovoltaic output could be up to +/-20% different from today #UoLTweCon

% change in solar PV output in 2080, relative to 1980-1999

5. Novel methods of cooling solar panels could improve output, such as phase change materials which absorb large amounts of heat #UoLTweCon

6. The potential for phase change materials to keep solar panels cool during the daytime could be greater in the future #UoLTweCon

Hannah Roche @heroche25

1. Coming Out and Staying Out: Distance and Displacement in Modernist Lesbian Writing (1900-1950) #UoLTweCon

2. Why and how is the Modernist lesbian 'romance' characterised by separation and abstraction rather than proximity and intimacy? #UoLTweCon

3. Sexual identities linked to national identities: key lesbian writers (Gertrude Stein, H.D., Djuna Barnes) all US expatriates #UoLTweCon

4. Distance necessary for lesbian modernists - from home, from hetero society and from own work (encoded writing/language games) #UoLTweCon

5. Stein –'Mr Cuddlewuddle' to partner Alice– disguised autobiographical lesbian romance (Q.E.D.) behind black mask ('Melanctha') #UoLTweCon

6. Lesbians were liberated in Paris but work remained stifled/separate.Life distanced from text.Writers 'out' but work in closet #UoLTweCon

Jayne Windeatt @jaynewindeatt

1.Removing CO2 from the Atmosphere: Is Biochar up to the Job?#UoLTweCon

2. Plants naturally remove CO2 from the atmosphere during photosynthesis and return it during respiration and decomposition #UoLTweCon

3.Turning waste plant material into a charcoal substance 'biochar' may store the carbon and also produces renewable energy! #UoLTweCon

4.When added to soils this biochar could store carbon, improve soil quality and increase crop yields. Possible multiple benefits!#UoLTweCon

5.How much char is made in climate/socio-economic scenarios to 2100? How long would carbon stay when the char is added to soils?#UoLTweCon

6. Scenarios for East Asia show CO2 removal of 24 to 29Gt CO2 over 95 yrs. Effects of char addition to soil now needs exploring #UoLTweCon

Lisa Long @TheRealLJLong

1 Without Consent? Policing African Caribbeans in an Unequal Society (UK) #UoLTweCon

2 2011 riots not 'race riots'. Unfair policing, stop & search & death in custody cited by interviewees #UoLTweCon http://www.guardian.co.uk/uk/series/reading-the-riots

3 RQ's How do African Caribbeans experience policing? Has this changed1980's-2012? How do class and gender impact on experience? #UoLTweCon

4 Despite changes 2 policing African Caribbeans have lower levels of trust & less likely to report being victim of crime #UoLTweCon

5 Next stage; critical analysis of changes to policing. Post-Scarman & Macpherson legislation, policy and procedure 1981-2012 #UoLTweCon

6 Lit rev ch1; African Caribbean experiences of policing are un/der-researched. Qual Res Yr 2 field work-Watch this space! #UoLTweCon

Laura Harrison @Lau_Harrison

1. The City Imagined and Re-defined: leisure, courtship and space in York, c.1880-1920 #UoLTweCon

2. What did the streets of York mean to young w/class and how were these meanings expressed, challenged & controlled? #UoLTweCon

3. The street was an integral part of the city and central to the social lives of young w/class #UoLTweCon

4. Utilisng records held @YorkLibrariesUK: Police files, court proceedings, newspapers, Penitentiary records & oral testimony #UoLTweCon

5. Police, magistrates and reform institutions attempted to control the urban space in which social relations were played out #UoLTweCon

6.Many young w-c challenged interpretations of their behaviour in the streets & re-defined the meanings of certain public spaces #UoLTweCon

Audrey Thorstad @AudreyThorstad

1. Tudor Castles: Lineage, Local Politics and Martial Prowess #UoLTweCon

2. Why did late medieval noblemen still live in, maintain and build castles if they were no longer used for defensive purposes? #UoLTweCon

3.Noblemen such as John de Vere, 13th earl of Oxford used his newly renovated castle, Hedingham, Essex, to achieve three purposes.#UoLTweCon

4. Firstly, Hedingham castle was used to ostentatiously display his lineage which spans English history since the Norman Conquest.#UoLTweCon

5. Secondly, it was used to gain a foothold in the local politics & helped Oxford gain local domination in East Anglia. #UoLTweCon

6.Lastly, castles were used to proclaim martial prowess. Castles have a long history one that doesn't end when siege warfare ends.#UoLTweCon

Lucy Anderson @lucyganderson

1. Non native invasive species = plants/animals introduced to the UK from other countries. Once here they establish & spread. #UoLTweCon

2. These species which include #signalcrayfish, #killershrimp cost UK ~£2bn pa to manage! #UoLTweCon

3. Invaders in UK waterways are among worst culprits. They cause riverbank collapse, block water pipes & introduce new diseases #UoLTweCon

4.I'm surveying anglers/canoeists to investigate how these species/their pathogens may be accidentally spread between waterbodies #UoLTweCon

5.Also testing how long they can survive on angling/boating equipment in the lab and how #biosecurity awareness can be improved. #UoLTweCon

6. Do your bit to help stop the spread: Check Clean Dry your kit after using it in water: https://secure.fera.defra.gov.uk/nonnativespecies/checkcleandry/index.cfm … #UoLTweCon

Sarah Todd @_sjt_

1 The Stuff that Dreams are Made on: Forms of Visions, Prophecies and Revelations in Petrarch and Boccaccio #UoLTweCon

2 By looking at the origins of dream-vision literature (DVL) - myths, biblical prophecies, etc - I discuss how P&B manipulate #UoLTweCon

3 the conventions of DVL in their own works. I look specifically at common themes (spirit-guide, spring setting,etc) to determine #UoLTweCon

4 the sources with which each author engaged & how this aids our understanding of medieval dream-theory. I argue that dreams are #UoLTweCon

5 used as a distancing device to facilitate discussions of taboo subjects (eg sex). My research has so far focused on classical, #UolTweCon

6 antique, biblical & early medieval sources to define the complex tradition from which Petrarch & Boccaccio's works emerged #UoLTweCon

Jeremy Harmer @jmharmer

1. Is Internet privacy dead? #UoLTweCon

2. China is often viewed by the West as an authoritarian state which desires complete surveillance of it's population #UoLTweCon

3. Yet the US and UK have many laws now some of which allow unfettered surveillance of foreign Internet traffic for any reason #UoLTweCon

4. Data retention stores facts of all communications without due cause; function creep - UK RIPA used to spy on dog walkers #UoLTweCon

5. The latest step, the UK communications data bill seeks to record even more information about our online activities #UoLTweCon

6. With so many invasive laws the West cannot sit back and point its finger at China - Internet privacy may finally be dead. #UoLTweCon

Cassey McRae @CasseyMcRae

1. Improving the Success Rates of In Vitro Fertilisation (IVF): Can We Predict the Best Eggs to Fertilise? #UoLTweCon

2. The success rates of IVF are unsatisfactorily low: just 24% of IVF attempts result in a live birth #UoLTweCon

3. Given the emotional and financial investments patients make in IVF, finding a way of improving success rates is paramount #UoLTweCon

4. To address this, I analysed the fluid around eggs in the ovaries to see if it contains any clues about the quality of the eggs #UoLTweCon

5. The fluid around eggs that gave a pregnancy following IVF contained higher levels of certain small molecules #UoLTweCon

6. Therefore, it may be possible to use these molecules as markers to identify the eggs most likely to give a pregnancy #UoLTweCon

Aijan Sharshenova @ForeverStudent9

1. Attention please! EU democracy promotion in Central Asia: implementation in Kazakhstan and Kyrgyzstan #UoLTweCon

2. "The EU people smile, say kind words - and do nothing" said a Central Asian official. Not reasonable, isn't it? #puzzle #UoLTweCon

3. #ResearchQuestion To what extent has #EU #democracy #promotion been successful, and why? Mostly why #FirstWorldProblems #UoLTweCon

4. #Fieldwork in Belgium, Kazakhstan & Kyrgyzstan: Interviews with local stakeholders, EU officials, implementers, & NGOs #UoLTweCon

5. I look at 3 #dimensions of why #democracy promotion does not work well in #CentralAsia #CA: local, #EU, & regional #UoLTweCon #freeKG

6. #Democracy promotion makes me sad, but we shall make it work #YesWeCan Current efforts & local responsiveness #GiveMeHope #GMH #UoLTweCon
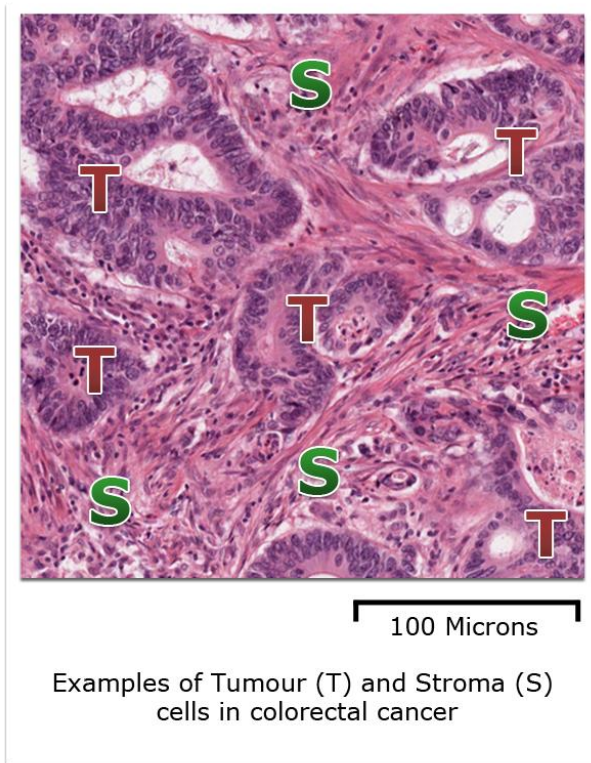

Sheryl McDonald @Sheryl_McDonald

1. Transforming Popular Romance on the Edge of the World: 'Nítíða saga' in Late Medieval and Early Modern Iceland #UoLTweCon

2. Medieval romances translated into Old Norse inspired Icelanders to write their own romances from the 14th century onwards #UoLTweCon

3. 'Nítíða saga' (NS) is one such late medieval Icelandic romance but it challenges the genre's norms and expectations #UoLTweCon

4. Instead of the expected male hero questing for a bride, NS has a female hero and we see bridal-quest from her point of view #UoLTweCon

5. NS considers the relation of gender & power, and is a great example of Icelandic appropriation of medieval European romance #UoLTweCon

6. This subversive romance was popular for centuries: its 65 manuscripts date from 1400s–1900s & have more research potential #UoLTweCon
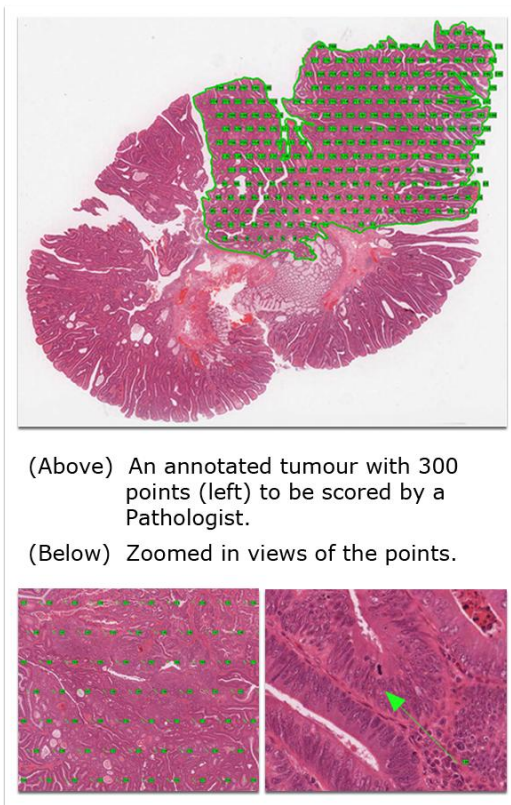

Alexander Wright @AzaWright

1. Automatically Improving Patient Selection for Chemotherapy #UoLTweCon

2. Colorectal cancer kills 16,000 people in the UK per year. Chemo is a standard treatment but is toxic and doesn't always work #UoLTweCon
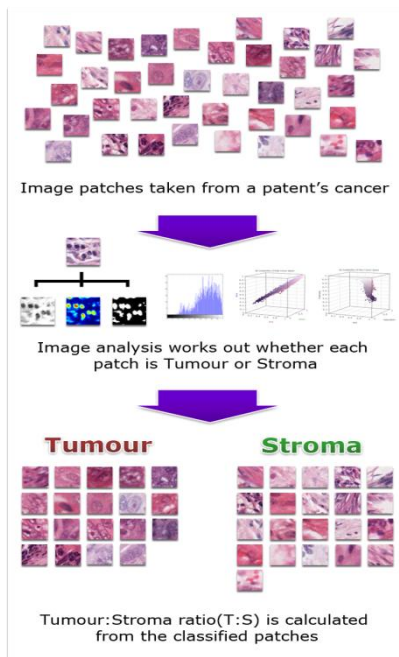
3. The ratio of certain cells (T:S) within a patients cancer can predict how they will respond to chemo #UoLTweCon

100 Microns

Examples of Tumour (T) and Stroma (S) cells in colorectal cancer

4. Currently, calculating T:S requires subjective estimates or counting hundreds of points on tissue samples #UoLTweCon

(Above) An annotated tumour with 300 points (left) to be scored by a Pathologist.

(Below) Zoomed in views of the points.

5. Using existing data, we teach an algorithm what different cells look like, to calculate T:S automatically #UoLTweCon

6. Automatically calculating T:S identifies which patients will benefit from chemo 97% faster than a pathologist, w/o human error #UoLTweCon

Rici Marshall @RiciMarshall

1) Rethinking Why We Demand Energy: Maintaining Residential Wellbeing Through Consideration of "Energy Services" #UoLTweCon

2) Motivation in the numbers:26% of UK energy use in houses x predict 80% of 2050 buildings already built=huge retrofit challenge #UoLTweCon

3) Who actually wants to have electricity and gas? We want "Energy Services": thermal comfort, illumination, sustenance, hygiene #UoLTweCon

4) If we can measure service delivery rather than kWh of electricity & m3 of gas we can better compare efficiency of technologies #UoLTweCon

5) Improved service of thermal comfort can be provided by a better boiler, radiator or better insulation…which is most effective? #UoLTweCon

6) The energy, exergy & services efficiency metrics I am developing will enable more meaningful analysis of building performance #UoLTweCon

Svava Petursdottir @svavap

1. "Using information and communication technology in lower secondary science teaching in Iceland" RQ´s How ? Why so little? #UoLTweCon

2. Use of ICT in Icelandic schools is low, supporting, extending, but rarely transforming teaching practice, #UoLTweCon
http://www.med8.info/cpf/twining/twining-details.htm

3. 3 interventions: resources which are appropriately interactive and relevant to the curriculum positively impact pupil learning #UoLTweCon

4. Factors affecting ICT use of Icelandic teachers: resources, time, knowledge and subject culture. ICT use is not a priority #UoLTweCon

5. Teachers pedagogical content knowledge seem to have more impact on pupil learning than the teaching resources used #UoLTweCon

6. There is potential for ICT to positively impact teaching with more CPD, cooperation, a shared vision and adequate resources #UoLTweCon

Robert Winstanley-Chesters @gy07r3m

1 "Landscape as Political Project" Environmental Management in the Democratic People's Republic of Korea #UoLTweCon

2 1516 Thomas More declared utopia "no where" (Οὐτοπία) in 1946 Kim Il Sung declared it could and must be built on Potong's banks #UoLTweCon

3 on nature management.Planning periods come & go,5 Great Nature Remaking Tasks are laid and "Rice is Immediately Socialism" #UoLTweCon

4 While Wittfogel & Ilychev struggle with Asian Mode north of 38th parallel earth from sea at Taegye is reclaimed & waters of the #UoLTweCon

5 Taedong tamed At 1990s turn world communism felled bringing arduous march & future as shell,continued development?This UoI PG.. #UoLTweCon

6 checks utopias present state,finds small progress to rate.DPRK's utopia much like here,at Juche 101,2012 still not to appear. #UoLTweCon

Osasuyi Dirisu @mailsuyi

1.Rolling and Puffing: Why do adolescents Smoke Cannabis/Marijuana? #UolTweCon

2 Cannabis is the most commonly smoked illicit by adolescents and damaging effect on health does not deter use. #UolTweCon

3 Criminalising use through the 'drug war' hasnt reduced demand for drugs and users are trapped in endless cycles of addiction #UolTweCon

4 Not all adolescents smoke and no single factor can explain why some adolescents are more vulnerable to smoke than others. #UolTweCon

5 The risk is better understood by examining an adolescent's social network, personality and his/her environmental influences. #UolTweCon

6. Surveys and interviews with adolescents will be used to evaluate the broad context in which they begin to smoke cannabis #UolTweCon

Scott Cole @ScottColePsych

1.Using you past to imagine your future:The ability to imagine plausible events in one's lifetime and its link with human memory #UoLTweCon

2.Are there similarities between forms of Mental Time Travel which allow us to experience the past and future in the present?#UoLTweCon

3.Interestingly, those people who remember past events in greater vivid detail imagine the future with greater vivid detail also.#UoLTweCon

4.Another key finding: Where subtle memory problems exist in old age, similar problems are observed in the ability to imagine.#UoLTweCon

5.One patient's memory loss led to a clouded and formless future: E.g. He couldn't imagine anything he would do later that week. #UoLTweCon

6.A system allows mental time travel into the past and future. Now, I aim to uncover more about how and why we imagine the future #UoLTweCon

Ivona Petrache @IvanaPetrache

1.Nano-friesbee smugglers for drug delivery #UoLTweCon

2.Nano-friesbee smugglers for drug delivery #UoLTweCon

3.Nanodiscs are assemblies organized as a disk-shaped lipid bilayer whose edge is stabilized by a scaffold protein #UoLTweCon

4.These nanodiscs can be prepared with controlled size and have access to both sides of the lipid bilayer domain #UoLTweCon

5.The system provides an environment for targeted delivery of hydrophobic agents protecting the inside content during circulation #UoLTweCon

6.Currently, a drug was successfully encapsulated into stabilized nanodiscs;ongoing work is focused on drug release rate #UoLTweCon

Sarah Wallace @shwallace

1. The behaviour of radioactive strontium (Sr-90) in contaminated land: clearing up a nuclear legacy #UoLTweCon

2. Sr-90 is a contaminant in the ground at nuclear sites worldwide, inc. Sellafield, UK, where it adsorbs (sticks) to sediments #UoLTweCon

3. Understanding geochemical processes that control sorption of Sr-90 in the ground is key to remediation of contaminated land #UoLTweCon

4. When in contact with groundwater, Sr-90 is highly adsorbed to sediments, which limits its transport in the environment #UoLTweCon

5. BUT where waste fluid has leaked into ground, sorption is prevented by other chemical ions in the waste & Sr-90 is very mobile #UoLTweCon

6. Possible remediation strategy: contaminated soil could be 'washed' with solution containing ions that prevent Sr-90 sorption #UoLTweCon

Elizabeth Gaston @gastonfamily

1 Colour Movements is a collaborative project with Phoenix Dance Theatre to explore the relationship between colour and pattern #UoLTweCon

2 It uses dance and design methodologies to explore complex colour interactions in Fair Isle knitted fabrics #UoLTweCon

3 Dramatic effects occur as colour theory interacts with pattern theory causing figural ambiguity or disrupts Gestalt principles #UoLTweCon

4 Research on knitted fabric design is absent from the canon of textile design theory #UoLTweCon

5 Colour change of knitted costume was produced with coloured lighting filters; changes in perceptual pattern were noted #UoLTweCon

6 The methodology is a fusion of theoretical and practical and could have interesting application in further design research #UoLTweCon

Rachel Forster @rach_f14

1. Questions of value. Using museum objects in prison based projects #UoLTweCon

2. Does the interaction with the museum objects help create a positive sense of identity in the prisoner participants? #UoLTweCon

3. 16 museum objects were taken into HMP Wakefield as part of a 12 week research project working with a group of 8 prisoners #UoLTweCon

4. Participants made a link between themselves and the objects-both out of their original context & trying to prove their worth #UoLTweCon

5. Considering different meanings of value made the prisoners see hidden values in some of the more obscure objects #UoLTweCon

6. This made them consider if the same is true of them as prisoners? What makes them valuable and what do they value? #UoLTweCon

James Pope @JamesPope10

1 Plio-QUMP: Quantifying Uncertainty in Model Predictions for the Pliocene. A period 3 million years ago 3°C warmer than modern #UoLTweCon

2 Create a Perturbed Physics Ensemble investigating range of model parameter uncertainty in @metoffice climate model HadCM3 #UoLTweCon

3 Test the results of ensemble members against a reconstruction of sea surface & land temperatures using micro-fossils & pollen #UoLTweCon

4 Why? Palaeo (past) climates allow us to investigate the climate system to improve our understanding of how & why it changes #UoLTweCon

5 Previous Pliocene research found models are unable to reproduce pattern of high latitude warming & near modern equator temps #UoLTweCon

6 My work suggests top end of IPCC climate sensitivity range (~4°C) is needed in HadCM3 to improve data-model comparison. Thanks #UoLTweCon
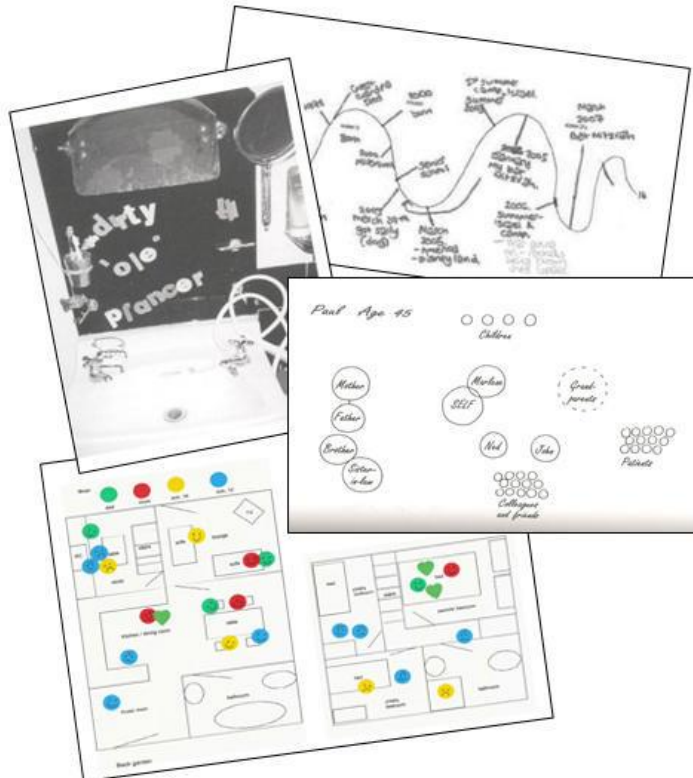

Liz Bridger @LivingShared

1. A sociological mixed-method investigation of households which include a couple and other unrelated adults in the UK. #UoLTweCon

2. Some couples live with housemates/lodgers; some people with live with couples. Why? What's the prevalence of this household? #UoLTweCon

3. How does this link to debates about relationships, adulthood and choice/constraint in the current socio-political climate? #UoLTweCon

4. Methods: Secondary Quant analysis; Qual in-depth interviews using diagrams & photos; follow-up interviews pic.twitter.com/RDpIh8gB #UoLTweCon

Examples of Visual Methods used in Previous Research – Photos, Timelines, Relationship Maps and Household Maps

From: Heath & Cleaver, 2004; Bagnoli, 2009; Josselson, 1996; Gabb, 2009.

5. Answers of interests to sociologists, social policists, policy makers, housing organisations, landlords #UoLTweCon

6. Currently recruiting participants! People living in this arrangement aged 18 to mid-30s in Yorkshire livingshared@leeds.ac.uk #UoLTweCon

Sandra Nickel @I_atent_dead

1 "Reflection & construction of religious & socio-political reality through language in the 19th century Yoruba mission." #UoLTweCon

2 Missionaries' journals & letters can tell us about activities, e.g. translation work & pastoral duties, and difficulties. #UoLTweCon

3 My research aims at reconstructing the translation process of Christian texts into Yoruba through African & European agents. #UoLTweCon

4 Aiming to shed light on missionaries' influence on language graphisation and standardisation, I ask: Whose language was Yoruba? #UoLTweCon

5 Christian texts in Yoruba facilitated 'Africanisation' of faith. Thus native interpretational authority could be reclaimed. #UoLTweCon

6 Missionaries' correspondence simultaneously reflects and constructs the interplay of linguistic, religious & political power. #UoLTweCon

Roula Maria-Nassif @roulamariadib

1.The Mythic Method in Light of Alchemy in James Joyce's Ulysses, T.S. Eliot's "The Waste Land," and H.D.'s Trilogy #UoLTweCon

2.alchemy(verbal&symbolic)& mythic method collaborate 2provide a solution 4what the authors illustrate as a spiritual barrenness #UoLTweCon

3.mythic method merges ancient w new,&"alchemy of the word" expresses man's need for spiritual and psychic transformation #UoLTweCon

4.All 3 works call 4 spiritual transformation, esp thru liberating the "anima",the psyche's feminine counterpart #UoLTweCon

5.@symbolic level, Modernist poetics of Ulysses,The Waste Land,&Trilogy r read in terms of CG Jung's theory on alchemy #UoLTweCon

6.Transformative language of HD'sTrilogy,Eliot's Waste Land,& Joyce's Ulysses is read thru Arthur Rimbaud's "alchimie du verbe" #UoLTweCon

Mazen Al-Hajjar @MazenAlHajjar

1. Would you like a hip replacement? Ooh, but how was it tested? #UoLTweCon

2. Last year, in the UK, more than 8,000 hip replacements failed in patients causing them more pain and costing the NHS millions #UoLTweCon

3. My thesis focuses on development of testing methodologies to test artificial joints before they are made available to patients #UoLTweCon

4. Current standard for testing artificial joints is not adequate and did not predict the failures recenetly reported on the news #UoLTweCon

5. I have been testing artificial joints deliberately in the wrong position to predict their performance under adverse conditions #UoLTweCon

6. My research helped develop new method to test hip replacements so only safe and reliable ones are made avialable to patients #UoLTweCon

Nada Abuarab @NadaAbuarab

1.TRPM2 channel trafficking and its role in cell death in HUVECs #UoLTweCon

2.TRPM2 channel is a Ca2+ permeable cation channel that plays a role in several physiological processes associated with Ca2+ #UoLTweCon

3.TRPM2 activation through H2O2 leads to cell death.The goal is to focus on trafficking and to find out whether TRPM2channel #UoLTweCon

4.Causes a redistribution of Ca and Zn between mitochondria and lysosomes and cell death.From the current study,it is found that #UoLTweCon

5.it is found that TRPM2 activation in HUVECs with H2O2 led to cell apoptosis signs such as LMP, MMP and Caspase-3 #UoLTweCon

6.To conclude, TRPM2 activation has a role in cell death and can be used as a therapeutic of vascular hyperpermeability #UoLTweCon

Gloria Oliomogbe @Goliomogbe

1Competitiveness – Project Management Intangible benefits?#UoLTweCon

2Organisations including non traditional project ones now use project management as traditional sources of competitiveness erodes.#UoLTweCon

3Intangible benefits are one of the value drivers for competitiveness in organisations in today's knowledge economy#UoLTweCon

4Project Management generates intangible benefits- Organisational, Human and Social Capital; are they contextual and measureable#UoLTweCon

5Four projects in four organisations will be investigated reviewing the appropriate data sources and interviewing key experts#UoLTweCon

6Project management intangible benefits drives competitiveness and the findings will help develop an approach to get more value#UoLTweCon

Nousheen Zakaria @nousheenzakaria

1 A qualitative study of Strategic HRM planning process to implementation of 5 case-study banks in Pakistan #UoLTweCon

2 The study cascades the HR strategy planning process to implementation which has been ignored in the literature #UoLTweCon

3 Aims: HR policy integration with top management, HR policy formulation with HR department and implementation with line managers #UoLTweCon

4 Data reveals top management can change the shape of HR,by pushing to integrate HR policies with objectives of the companies #UoLTweCon.

5 HR found active in integration and formulation stage, neglects implementation, line managers felt burdened with implementation #UoLTweCon

6 To conclude, HR dept needs to be proactive and be an active player throughout the process, employee voice not to be ignored #UoLTweCon

Samantha MacDonald @girlsammac

1.Iodine chemistry in the remote troposphere #UoLTweCon

2.Iodine in lower atmosphere destroys ozone, affects oxidising capacity & forms new particles which may affect cloud formation. #UoLTweCon

3.Iodine is released from the oceans as organic iodine compounds by seaweed and phytoplankton. #UoLTweCon

4.More Iodine is needed to match field observations – suggesting additional "inorganic" mechanism. #UoLTweCon

5.Lab studies of I- + O3 reaction show this matches missing source, dependent on salinity, temp, &seawater iodide concentration. #UoLTweCon

6.Using maps of seawater iodide can calculate the flux of Iodine from the oceans and impact of iodine on a global scale. #UoLTweCon
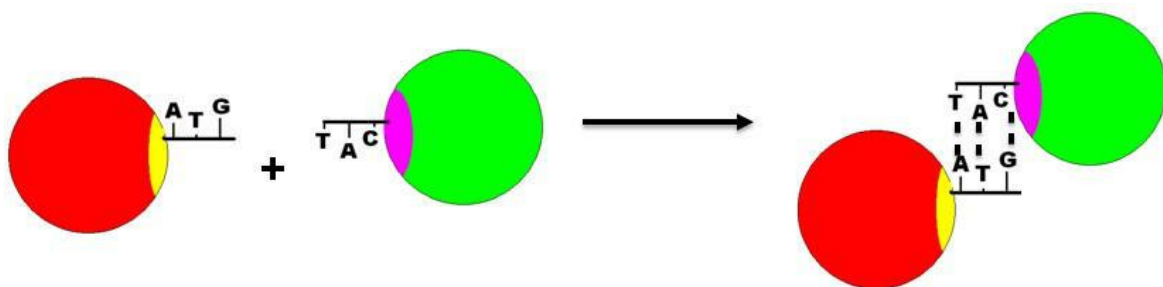

David Turner @dturneresq

1. City Limits: A Phenomenological Enquiry into the Semiotics of the Urban #uoltwecon

2. Method: Qualitative interviews using structured and unstructured interview techniques. #uoltwecon

3. Research Justification A: The built environment has changed dramatically over the past 50 years #uoltwecon

4. Research Justification B: The pace of change in our built environment is likely to accelerate #uoltwecon

5. My research aims to contribute to the important public debate about the future of the built environment. #uoltwecon

6. Currently, I am finalising the research plan and aim to start interviewing in February or March next year #uoltwecon

Thomas Wild @tomjwild

1 Developing coNnected nAnosomes.....with?#UoLTweCon

2 Cryptic title lets break it down. A nanosome is a lab made cell/cage and I want to make it a janus particle(cell with two faces)#UoLTweCon

3 Instead of faces lets think functional groups! 1 half of my lab cell has DNA attached to it and the other doesn't ie its janus!#UoLTweCon

4 The DNA stuck to the cell will only be one half of the double helix therefore making a DNA STICKY PACH or lock with only 1 key #UoLTweCon

5 DNA comes in pairs so if I put complementary DNA on other cells the 2 types of cell will glue together.#UoLTweCon pic.twitter.com/DKyCCXym

6 Joined cells means drugs caged together 4 super combat treatments in targeted delivery. In the lab I'm varying sticky patch size #UoLTweCon

Catherine Scott @catzigle

1) The biogeochemical impacts of forests and the implications for climate change mitigation #UoLTweCon

2) Trees take in carbon from the atmosphere and store it as they grow – but could they be affecting the climate in other ways? #UoLTweCon

3) Remember that piney odour you can smell while walking through a forest? It's due to gases that trees are constantly emitting #UoLTweCon

4) These gases are really important because they contribute to the formation and growth of tiny particles in the atmosphere #UoLTweCon

5) Particles in the atmosphere control how bright clouds are, and how much of the Sun's energy is reflected back to space #UoLTweCon

6) Tree emissions form particles that are cooling the planet! Could planting more trees help limit future climate change? Thanks! #UoLTweCon

Esther Harper @EstherHarper88

1.One man's Russia: cultural portrayal and representation of Russia in British travel writing of the 2000s.#UoLTweCon

2.Churchill said Russia was 'a riddle wrapped in a mystery inside an enigma' & this attitude prevails today.Who dares 'unwrap' it?#UoLTweCon

3.British travel writing on Russia - authors aim to consolidate/dispel myths & offer the ultimate portrayal of the real Russia.#UoLTweCon

4.Theory of Manifold Predications (7 blind men&elephant): one subject can be perceived&portrayed in multiple ways.Not 1 'Russia'.#UoLTweCon

5.1author=1background&1experience=1portrayal=1perception of Russia.MUST understand 'knowledge' of Russia as relative,not absolute.#UoLTweCon

6."It's what happened to us-it is the not the Russian story but..a Russian story"(Steinbeck)1country,∞accounts:read with caution.#UoLTweCon

Gwen Jacques @GwennieJacques

1 "Lives not worth living": healthcare professionals' perceptions of what constitutes a serious handicap in the Abortion Act 1967 #UoLTweCon

2 Law allows abortion for fetal anomalies if child would have "physical or mental abnormalities as to be seriously handicapped" #UoLTweCon

3 Ambiguous law–serious handicap not defined, few guidelines. H. profs need to interpret serious in rel. to legality of abortion #UoLTweCon

4 Serious handicap is neither absolute nor necessarily tied to condition, depends on context. Decision making is complex #UoLTweCon

5 H. profs' decisions on seriousness depend on weighing up respect for parents' reproductive autonomy versus protecting fetus #UoLTweCon

6 H. profs' decisions on what serious handicap is need to be made on a case by case basis, moderated by fetus's moral status #UoLTweCon

Christine Chettle @Cherissonne

1. Victorian Fantasy as Social Transformation in fiction by Charlotte Brontë, Charles Dickens, George Eliot and George MacDonald #UoLTweCon

2. Confrontations with an otherworld in Brontë's texts actively challenge process of conceptualizing psychosocial identity #UoLTweCon

3. Dickens's images of haunting dramatize the possibilities of reversing social deviance in various experiences of disability #UoLTweCon

4. Eliot's texts combine stargazing and cognitive dissonance to foreground educational reform #UoLTweCon

5. MacDonald uses the discussion of fairy tales as an intersectional method to recover from mental health trauma #UoLTweCon

6. Examining the borders of Victorian narrativity provides context to challenge social tensions and to explore potential change #UoLTweCon

Maria Georgoula @MariaGeorgoula

1. Is your Smartphone faithful to the printed reproductions of images? #UoLTweCon

2. Sometimes it turns out that the colours on your Smartphone's display look differently from a printed image. #UoLTweCon

3. This happens because appearance of colours is affected by various parameters in the viewing field. #UoLTweCon

4. In mobile devices, these are: the size of display, the technology (AMOLED or LCD), the lighting and surround conditions, etc. #UoLTweCon

5. Building mathematical models for these parameters could improve the reproduction of images based on the required result. #UoLTweCon

6. So far, mobile devices seem capable of reproducing both accurate and preferred results under proper mathematical modelling. #UoLTweCon

Saima Ahmed @Saims

1 Delirium & Acute Stroke: Investigating incidence, severity & duration of delirium & the long term patient outcomes post stroke #UoLTweCon

2 Delirium (acute impairment of brain function) is linked to morbidity, dementia & higher risk of death #UoLTweCon pic.twitter.com/pSLkGjV5

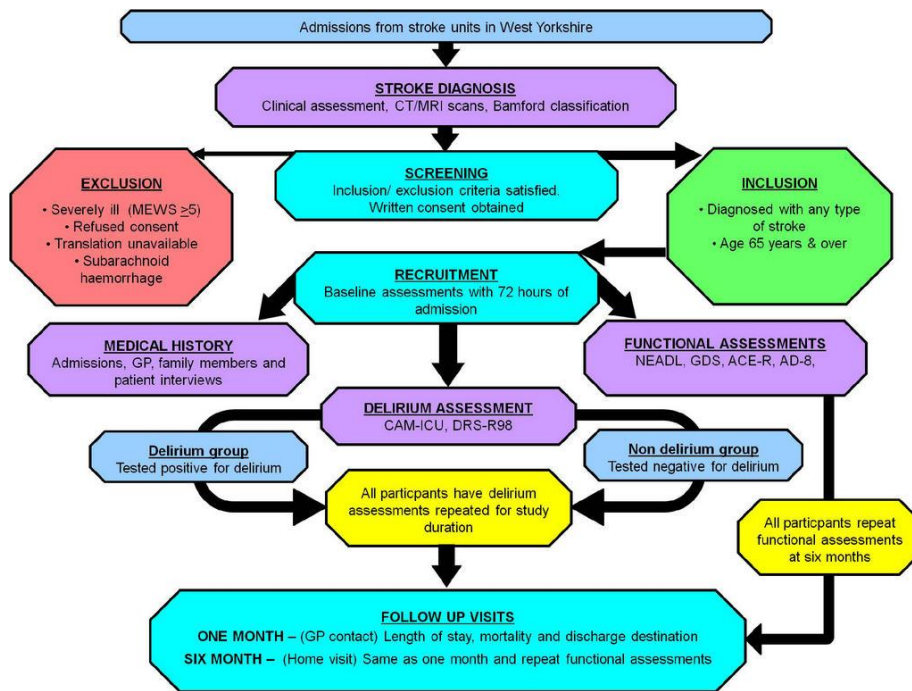| Table 2. Predisposing Factors for Delirium. |
| --- |
| Demographic characteristics |
| Age of 65 years or older |
| Male sex |
| Cognitive status |
| Dementia |
| Cognitive impairment |
| History of delirium |
| Depression |
| Functional status |
| Functional dependence |
| Immobility |
| Low level of activity |
| History of falls |
| Sensory impairment |
| Visual impairment |
| Hearing impairment |
| Decreased oral intake |
| Dehydration |
| Malnutrition |
| Drugs |
| Treatment with multiple psychoactive drugs |
| Treatment with many drugs |
| Alcohol abuse |
| Coexisting medical conditions |
| Severe illness |
| Multiple coexisting conditions |
| Chronic renal or hepatic disease |
| History of stroke |
| Neurologic disease |
| Metabolic derangements |
| Fracture or trauma |
| Terminal illness |
| Infection with human immunodeficiency virus |

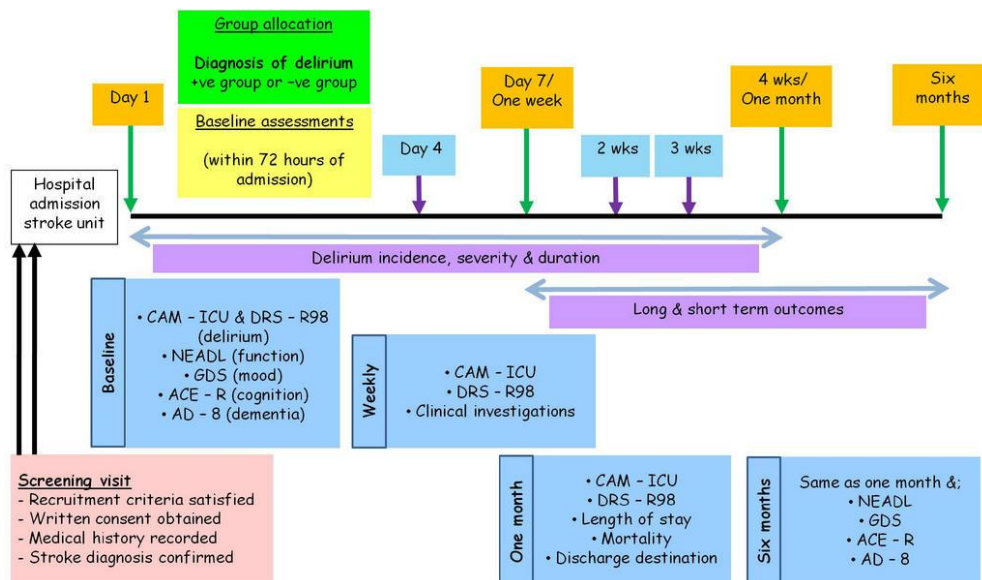| Table 3. Precipitating Factors or Insults That Can Contribute to Delirium. |
| --- |
| Drugs |
| Sedative hypnotics |
| Narcotics |
| Anticholinergic drugs |
| Treatment with multiple drugs |
| Alcohol or drug withdrawal |
| Primary neurologic diseases |
| Stroke, particularly nondominant hemispheric |
| Intracranial bleeding |
| Meningitis or encephalitis |
| Intercurrent illnesses |
| Infections |
| Iatrogenic complications |
| Severe acute illness |
| Hypoxia |
| Shock |
| Fever or hypothermia |
| Anemia |
| Dehydration |
| Poor nutritional status |
| Low serum albumin level |
| Metabolic derangements (e.g., electrolyte, glucose, acid–base) |
| Surgery |
| Orthopedic surgery |
| Cardiac surgery |
| Prolonged cardiopulmonary bypass |
| Noncardiac surgery |
| Environmental |
| Admission to an intensive care unit |
| Use of physical restraints |
| Use of bladder catheter |
| Use of multiple procedures |
| Pain |
| Emotional stress |
| Prolonged sleep deprivation |

3 Delirium may be more common in stroke. The aim: identify delirium incidence & investigate patient outcomes #UoLTweCon pic.twitter.com/bRkPashw

4 A prospective cohort study design was used to recruit, assess & monitor 295 stroke patients over 6 months #UoLTweCon

5 Purpose is to improve management/treatment of delirium in stroke by better training & introducing a standard screening protocol #UoLTweCon

6 Currently the study has completed recruitment & entered the follow up stages. Data analysis & interpretation is in progress #UoLTweCon

Warren Yabsley @Cancermarkers

1 Breast Cancer: Detecting a Biomarker of Disease. #UoLTweCon

2 Can we detect breast cancer by studying substance (metabolite) levels in bodily fluids and tissue? #UoLTweCon

3 Diseases disrupt normal body conditions but your body regulates itself by altering its metabolism and hence metabolites. #UoLTweCon

4 Metabolite levels were analysed in blood plasma, urine and breast tissue extracts from control and cancer samples. #UoLTweCon

5 Concentrations of two metabolites were raised and one reduced with breast cancer. #UoLTweCon

6 Breast cancer can be detected by profiling metabolite levels from bodily samples. #UoLTweCon