EDINBURGH FUTURES INSTITUTE
Structure of presentation

• Vision and values
• Progress in building EFI
• Key challenges for Data Driven Innovation
• Examples of programmes to be delivered
Vision and values

EFI aims to harness the digital/data/Al revolution for social benefit (promoting human flourishing and inclusive growth)
Vision delivered through…..

- Trans-disciplinary research (which future-scopes, sets agendas, tackles societal challenges and is cognisant of the needs of government, industry, community);
- Radical education programmes (which are challenge-based, flexible, affordable, and offer opportunity across the life-course);
- Engagement and outreach (which promotes trust and public confidence, supports entrepreneurship, and collaboration with partner institutions to adapt, innovate and transform)
- AND in a built environment which is predicated on ‘contagion’, encounter, co-production, and risk-taking; open to communities, sustainable (ecological and intellectual), inspiring, motto on lintel - ‘patet omnibus’ – open to all
More vision....

EFI is a:

- Collective (a product of joint investment from the University and the City Region Deal, working with, through and for Schools)
- Catalyser (accelerates our capacity to respond to societal challenges)
- Crucible (a physical space for experimentation in research, education and outreach – elevator pitch – a banker meets a poet........)

EFI’s reach is:

- Local and global – knowledge without borders
Building EFI: reworking the canvas...maker spaces; community, industry, government engagement; student and staff experience, co-working and co-production (one community, holistic approach)
Reinventing the economy, education and societies
Building EFI: the evolving Studio

Engagement Directorate
- International Partnerships and Exchange – James Smith
- Cultural Engagement – Patricia Erskine
- Finance and banking – Owen Kelly
- Community and outreach - Lesley McAra
- Partnerships and Business Development - Douglas Graham

Director Creative
Chris Speed
(Creativetech)

Director Industry, Economy and Society
Gbenga Ibikunle
(Fintech)

Director Regulation, Data and Society
(Liz McFall)

Director Peace, Justice and Transitions
Christine Bell
(Peacetech)

Director Planetary Health and Well-Being
Liz Grant
(Earthtech)

Cross-Cutting Themes
- Data Ethics
- Critical infrastructure (Gordon Masterton)
- Entrepreneurship
- Social Benefit
- Futures

Director Data Ethics and Integrity
Lesley McAra

Director Education
Sian Bayne

Director Research
Melissa Terras

Director Entrepreneurship

Project Management Team
John Hausrath
Maria Ullibarri
Laurie Cameron Garcia
John Hausrath
Maria Ullibarri
Laurie Cameron Garcia
Central Project Manager
Education Project Manager
Senior Academic Administrator

Director Industry, Economy and Society
Gbenga Ibikunle
(Fintech)

Director Regulation, Data and Society
(Liz McFall)

Director Peace, Justice and Transitions
Christine Bell
(Peacetech)

Director Planetary Health and Well-Being
Liz Grant
(Earthtech)

Director Creative
Chris Speed
(Creativetech)

Sector Lead Creative
Caroline Parkinson

Sector Lead Tourism and Festivals
Joshua Ryan-Saha

Sector lead Fintech
Damien McGariggle

Sector Lead Govtech
Gemma Cassells

To be appointed
- 5 + CFS
- 36 PhDs

Chancellor’s Fellows
- Bea Alex
- Drew Hemment
- Taylor Spears
- Liz McFall
- Ben Williamson

City Deal Linked Programmes

Director Planetary Health and Well-Being
Liz Grant
(Earthtech)

Director Industry, Economy and Society
Gbenga Ibikunle
(Fintech)

Director Regulation, Data and Society
(Liz McFall)

Cross-Cutting Themes
- Data Ethics
- Critical infrastructure (Gordon Masterton)
- Entrepreneurship
- Social Benefit
- Futures

Director Data Ethics and Integrity
Lesley McAra

Director Education
Sian Bayne

Director Research
Melissa Terras

Director Entrepreneurship

Project Management Team
John Hausrath
Maria Ullibarri
Laurie Cameron Garcia
John Hausrath
Maria Ullibarri
Laurie Cameron Garcia
Central Project Manager
Education Project Manager
Senior Academic Administrator

Director Creative
Chris Speed
(Creativetech)

Director Industry, Economy and Society
Gbenga Ibikunle
(Fintech)

Director Regulation, Data and Society
(Liz McFall)

Director Peace, Justice and Transitions
Christine Bell
(Peacetech)

Director Planetary Health and Well-Being
Liz Grant
(Earthtech)

Director Creative
Chris Speed
(Creativetech)

Director Industry, Economy and Society
Gbenga Ibikunle
(Fintech)

Director Regulation, Data and Society
(Liz McFall)

Director Peace, Justice and Transitions
Christine Bell
(Peacetech)

Director Planetary Health and Well-Being
Liz Grant
(Earthtech)
# Building EFI: City Region Deal deliverables (15 years up to 2031/32)

<table>
<thead>
<tr>
<th>Uplift of.....</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>300K people trained and initially retained in UK</td>
<td></td>
</tr>
<tr>
<td>4K to secure PGT/UG degree</td>
<td></td>
</tr>
<tr>
<td>14K taking DDI electives</td>
<td></td>
</tr>
<tr>
<td>209 PhDs</td>
<td></td>
</tr>
<tr>
<td>276K (non credit-bearing)</td>
<td></td>
</tr>
<tr>
<td>4,600 CPD learners (engaging with 350 companies)</td>
<td></td>
</tr>
<tr>
<td>131m public and private sector funding</td>
<td></td>
</tr>
<tr>
<td>Over 300 new EFI related-data sets</td>
<td></td>
</tr>
<tr>
<td>90 spinouts</td>
<td></td>
</tr>
<tr>
<td>1,700 EFI graduates setting up or joining micro businesses or SMEs</td>
<td></td>
</tr>
</tbody>
</table>
DDI challenges: (some of) the types of questions we will ask…

- What role can DDI play in: supporting citizenship and participation; developing effective public services which have measurable and sustained benefits for individuals and the community?
- How can DDI transform financial markets to create better outcomes for customers and promote inclusive growth? How can surveillance capitalism be controlled and contained?
- How can DDI encourage entrepreneurship in the creative industries and support an eco-system that enables them to grow and thrive?
- How can data scientists and creatives/makers combine to drive social, cultural, political, economic transformation? How can we collaborate to tackle global challenges including climate change?
- How can we build public trust and confidence in DDI and promote good governance and ethical practice?
- What does it mean to be human in the evolving AI and digital world?
The challenges…

Promoting genuinely ‘inclusive growth’ which transforms the lives of the many not the few

- Ensuring that the city region deal (including application of UoE sponsored research and innovation) does not create new outsider groups at risk of deep social exclusion
- Engaging, mobilizing and empowering hard-to-reach groups
More challenges….

Transforming the academic role from pedagogue to co-producer (principle of the ‘democratic intellect’)
Slow scholarship – the importance of relationship building
Critical friendship…
‘The University is a critical institution or it is nothing’ (Stuart Hall)
Examples of programmes to be delivered
(1) Place-making (community flourishing)

Baseline research evidence from the Edinburgh Study of Youth Transitions and Crime

http://www.law.ed.ac.uk/research/making_a_difference/esytc
Edinburgh City: spatial distribution of social deprivation

Based on Census data: score derived from 6 indicators of social and economic stress: population turnover; % households lone parents and children; % households overcrowded; % population aged 10 - 24; % households live in local authority housing; % population unemployed.
Police recorded violent crime
Incivilities observed by cohort

- Mean neighbourhood incivilities:
  - 2.75 - 4.36
  - 4.36 - 6.13
  - 6.13 - 7.7
  - 7.7 - 10.45
  - 10.45 - 14.47
School exclusion across Edinburgh

Top 10 excluding schools

Index (mean sum of z scores)
-3.4 - -2.59
-2.59 - -1.43
-1.43 - 0.16
0.16 - 1.77
1.77 - 9.91
Detention across Edinburgh

Find out more about the Edinburgh Study of Youth Transitions and Crime at:
http://www.law.ed.ac.uk/research/making_a_difference/esytc
Place-making

Problems
- Crime, drug misuse, anti-social behaviour
- Homelessness and dynamics of public space
- Capacity to absorb more business, tourists
- Displacement of traditional communities
- Sanitizing built environment can increase intolerance

Research projects
- The Southside Challenge
- The ‘Edinburgh Conversations’
- Smart cities for community benefit
- Economic shocks and community resilience

“What attracts people most… it would appear, is other people” – William H Whyte
Examples of programmes to be delivered

(2) Complex needs and multi-morbidity
(human flourishing through the life-course)
Pathways into prison: deep case study (every statistic is a person)

Doreen’s story
- Born into area of highest deprivation, from low socio-economic status household
- First victim then offender (official narrative)
- Multiple and complex needs not known to agencies
- History of sexual abuse
- In and out of foster care, no consistency in social work intervention
- Excluded from school, early leaver, few qualifications, subsequent unemployment
- Bullied and socially isolated
- Drug user from young age
- Self harm (cutting) and suicide attempts
- History of depression
- Petty persistent offending becomes more serious including assault and weapon carrying (for protection)
- In and out of prison
Responding to multiple-deprivation, complex needs, and co-morbidity

From this.....
Responding to multiple-deprivation, complex needs, and co-morbidity

From this…

To this…. 

…to this….
Re-imagining the civic university

‘Patet omnibus’
Flagship projects: Homeless Health and Inclusion

Learning and Teaching
- Free legal advice
- Critical Literacy
- All 4 Paws
- Digital ambassadors
- Counselling service
- Art therapy
- Placements

Research
- Multi-morbidity through the life-course
- Care and criminal justice transitions
- Identity, citizenship and place
- Harm reduction
- Risk and resilience

Student Social Enterprise
- Edinburgh Bee Collective
- Slurp

Student and Staff Volunteering

Access Practice
User
Flagship projects: digital ambassadors

Services:
• Short courses for older people in Charteris Community Centre
• Drop-in sessions in the Central Library (every Friday afternoon)
• Short courses for women preparing for employment in collaboration with the Amina Muslim Women’s Resource Centre
• Sessions for the wider community in collaboration with People Know How (Leith Community Centre)
Flagship projects: an eco-system for social enterprise

- Co-curricular pathway (taster workshops, curated portfolio of courses, mentoring and placements, capstone group project co-produced with community)
- Dragons’ Den
- Bursaries for action research
- EUSA and EI package of support: business planning and marketing; legal advice; insurance; office space; advice on pitching; leadership skills development
- EFI to home for SE related activity including accelerator space

- Examples
  - Slurp
  - Fog-catchers
  - ETC
  - The Edinburgh Bee Collective
Characteristics of flagship programmes

- Integrate research and teaching
- Involve external partnerships (with locally-based individuals, groups, institutions)
- Have transformative impact on the community
- Have transformative impact on the student experience
- Have spin-off potential for research grant applications
- Are evaluated and learning used to up-scale

- What does a 21st century student look like?
  - Core (subject) discipline
  - A student of all the talents
  - Students as agents of social change