World Conference on Online Learning
DUBLIN Ireland 2019
INTERNATIONAL COUNCIL FOR OPEN AND DISTANCE EDUCATION
DCU
NIDL National Institute for Digital Learning
28th ICDE World Conference on Online Learning
3-7 November 2019
Convention Centre Dublin , Ireland

Creating Future-Resilient Curricula for Education '4.0' Students

Professor Gilly Salmon

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Session 04.01

Tuesday, November 5, 2019
10:30 AM - 11:45 AM
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Speaker

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Online Education
Services

Creating Future-Resilient Curricula for Education '4.0' Students

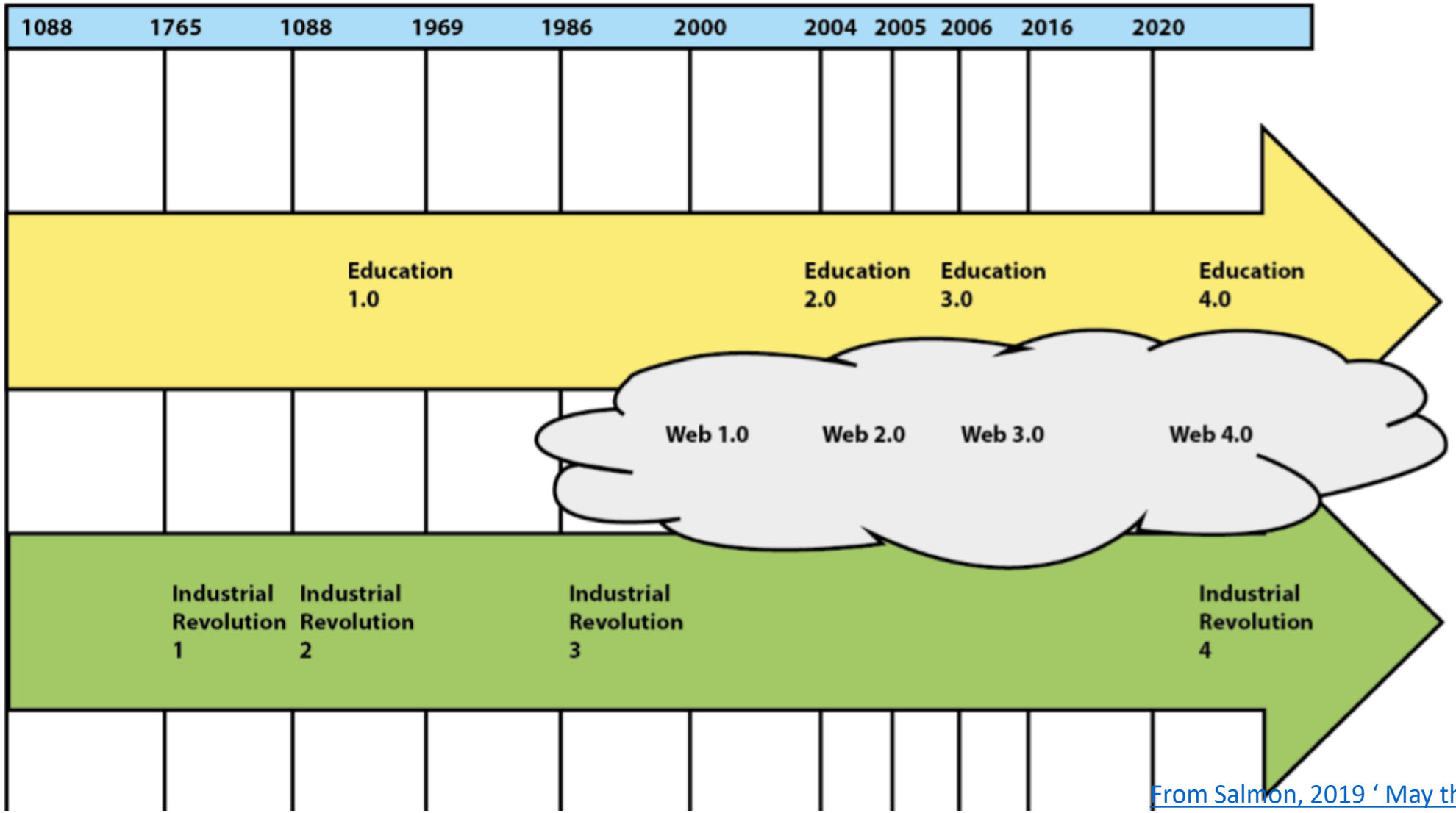
Abstract for Concise Paper

Increasingly, learning design methodologies are being deployed to transform modes of learning for campus, blended, and fully online education to more appropriate pedagogies for the future. But still, the key concepts being taught, and the nature of assessment, frequently are based on tradition or hindsight, rather than the needs of graduates and employers of the future.

It is based on the notion that the next generation of higher education, the '4.0' students, will wish to be equipped to tackle the world's biggest challenges in additional to their personal careers, and need to be considering their preparation for the world of work.

This reflective and exploratory paper builds on a very recent research on jobs and skills of the future together with a 'resource-based' strategy for the distinctiveness and strengths of the institution. Future work needs can be build into desired graduate attributes making the strongest ever link between learning and employment. The key messages once developed can be used throughout the design and build of courses to ensure delivery is consistent and coherent, and contributing to students' satisfaction. Add great learning design and the institution's education become future-resilient.

Creating Education 4.0: hindsight, insight, foresight



From Salmon, 2019 ‘ May the Fourth be with you’
https://jl4d.org/index.php/ejl4d/article/view/352

Employers

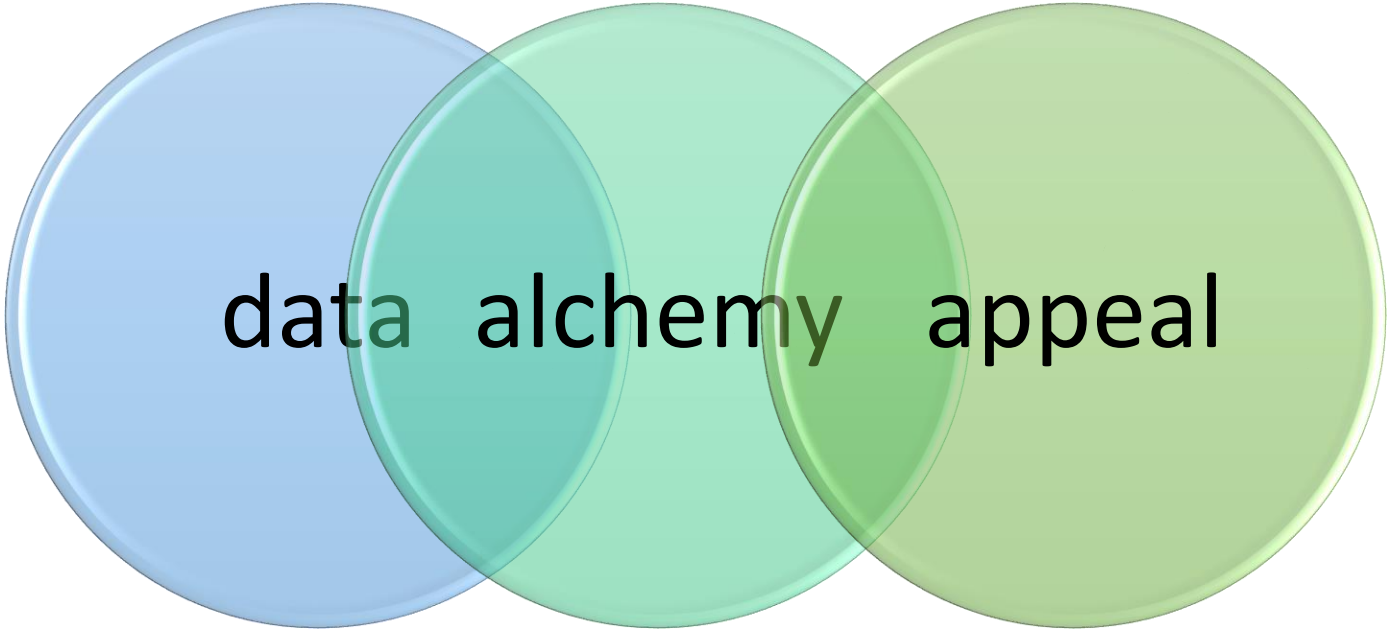
- New ways of working will be developed
- New knowledge, skills and capabilities will be identified
- Current employees will be upskilled & retrained.
- New talent will be attracted, retained and integrated
- all the while, the organization will need to keep operating and growing.

Universities

- Identify new programmes, modes of education & authentic assessments to prepare students for Industry & Globalization 4.0
- Sustain graduates through worthwhile multiple careers during their long lives.
- Focus on *human* capabilities
  - Creativity, critical thinking, communication & collaboration
  - Systems & design thinking
  - Mirror symbiosis between technology and humans

Curriculum of the Future – Framework.

Tools for creating the curriculum of the Future.



https://www.brightnetwork.co.uk/media/files_live/public/bright_network_research_report_2018_-_what_do_graduates_want.pdf

Different disciplines of psychology

12 percent over the next 10 years, 18,700 new jobs (USA).

greater demand -
in schools, hospitals, mental health centres, social services agencies.

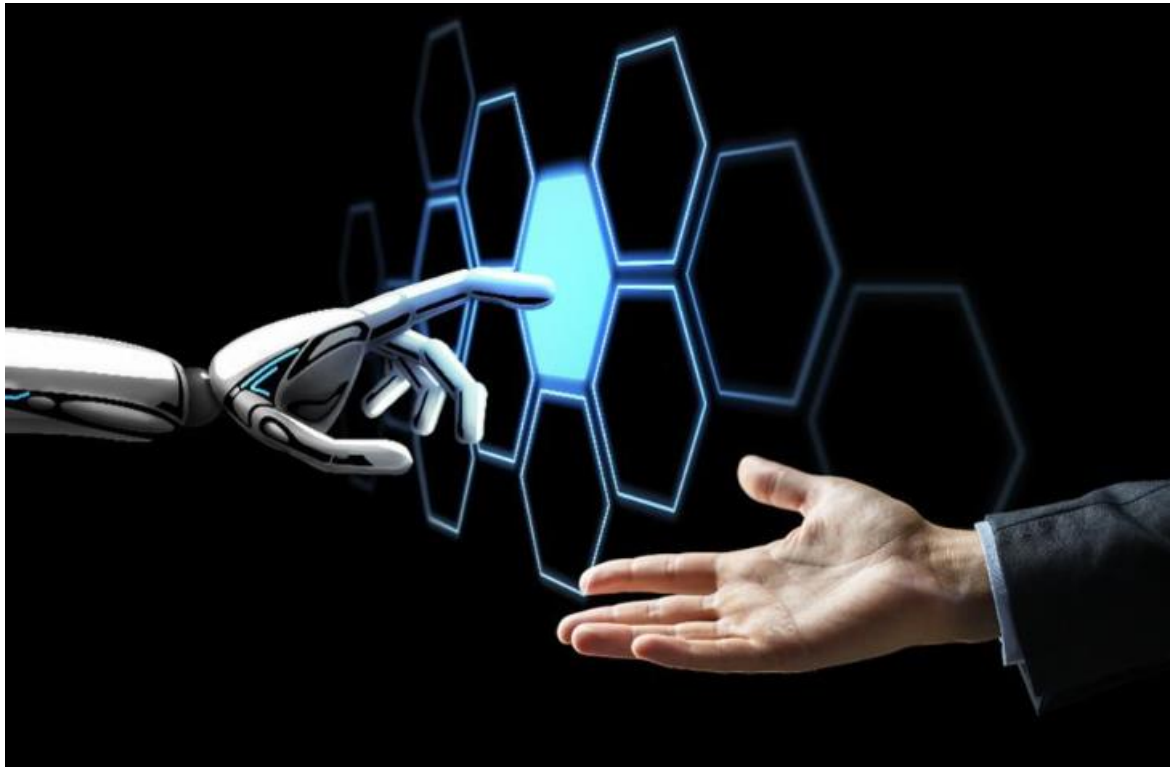
Volume
Reputation
Foresight

research
environment
Data science
Space engineering
Digital arts

4.0

1. **Entering the world of symbiosis**
2. **True Lifelong learning**
3. **Contribution and Careers**

Symbiosis- living together



https://www.forbes.com/sites/forbestechcouncil/2018/01/29/why-humans-need-to-find-symbiosis-with-ai/#5647cb19407a

https://medium.com/@rebecca_beaton/what-are-the-jobs-of-the-future-how-to-ensure-your-job-isnt-replaced-by-robots-c3cd120161de

https://www.youtube.com/watch?v=vm4b-50YkmU

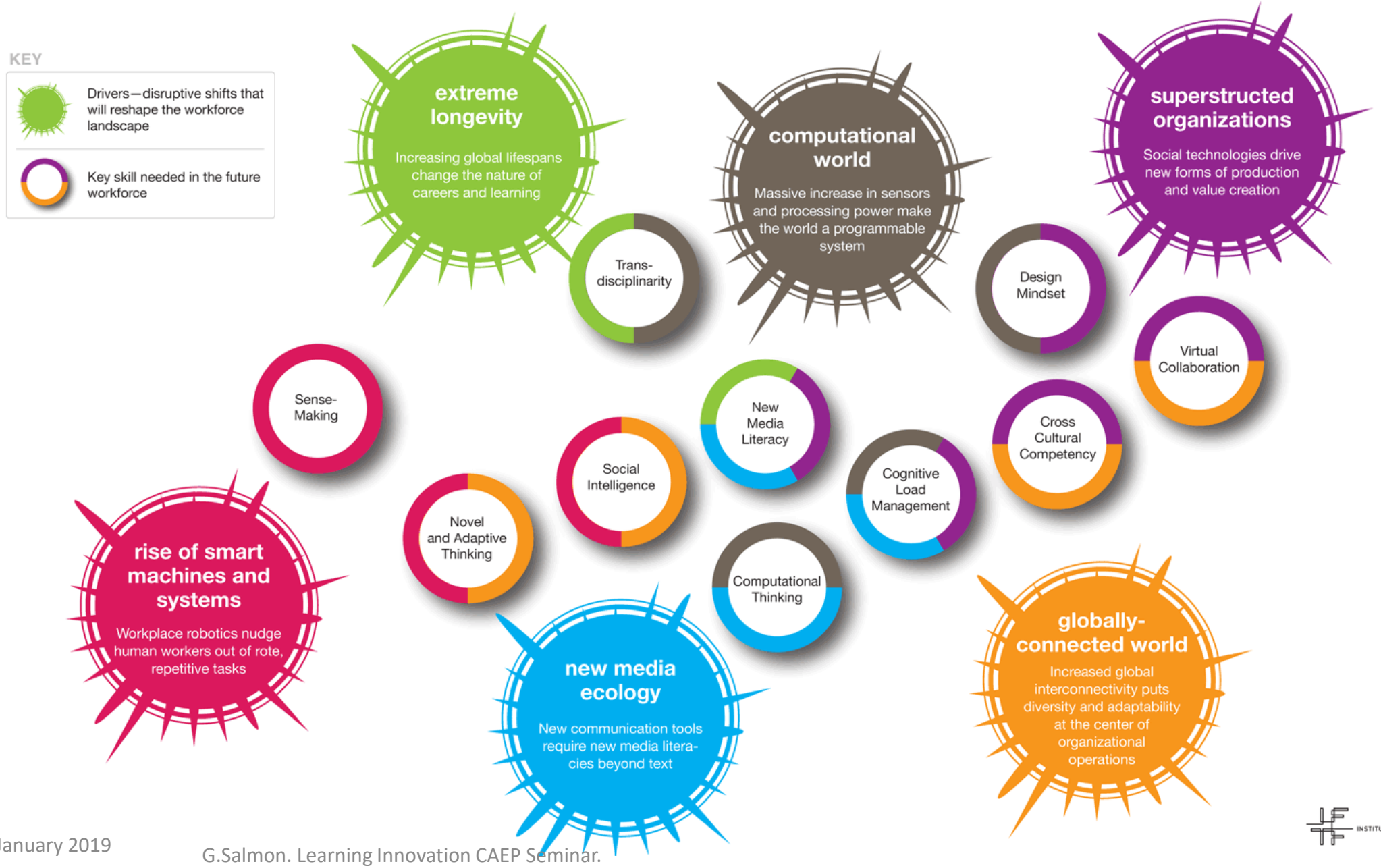
An ageing workforce isn't a burden. It's an opportunity

Londoner Sydney Prior, who worked at a home-improvement store until he was 96. Image: REUTERS/Simon Newman

https://www.weforum.org/agenda/2019/01/an-aging-workforce-isnt-a-burden-its-an-opportunity/

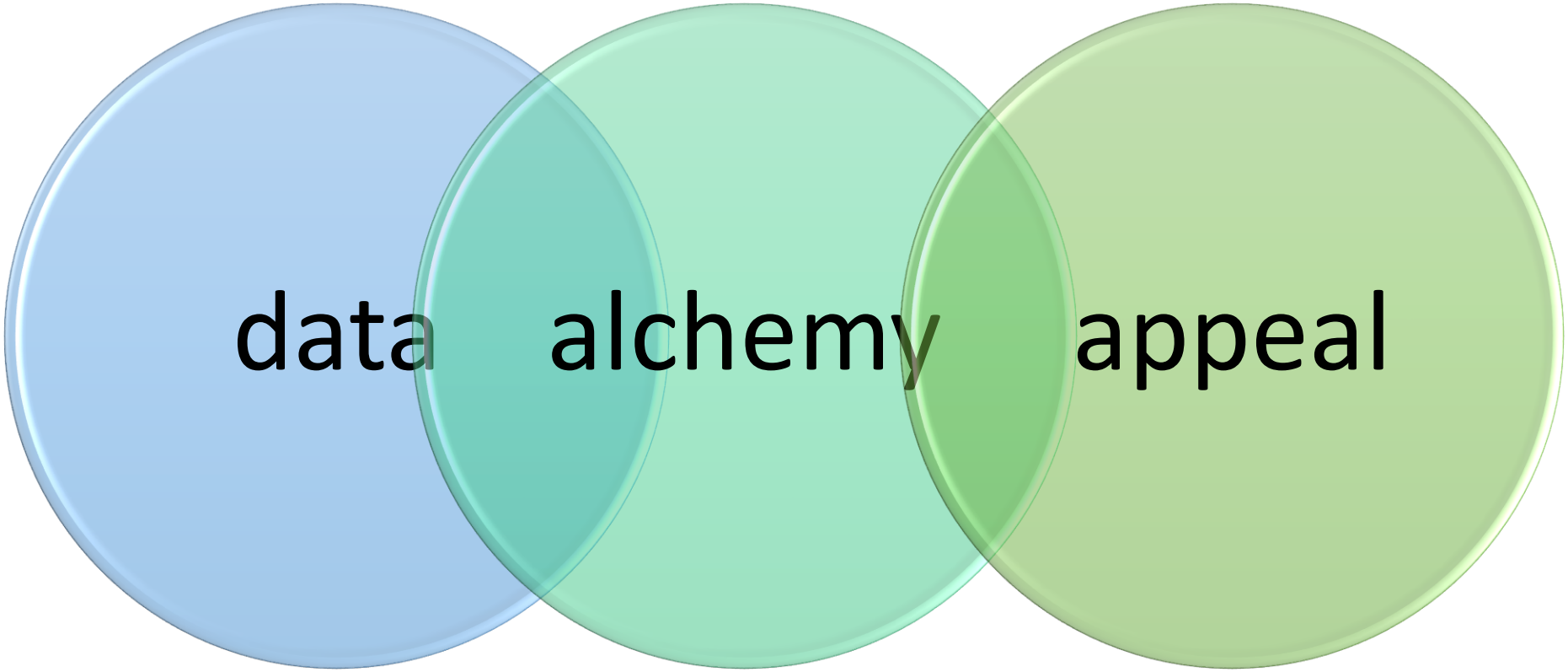
Future Work Skills 2020

While all six drivers are important in shaping the landscape in which each skill emerges, the color-coding and placement here indicate which drivers have particular relevance to the development of each of the skills.

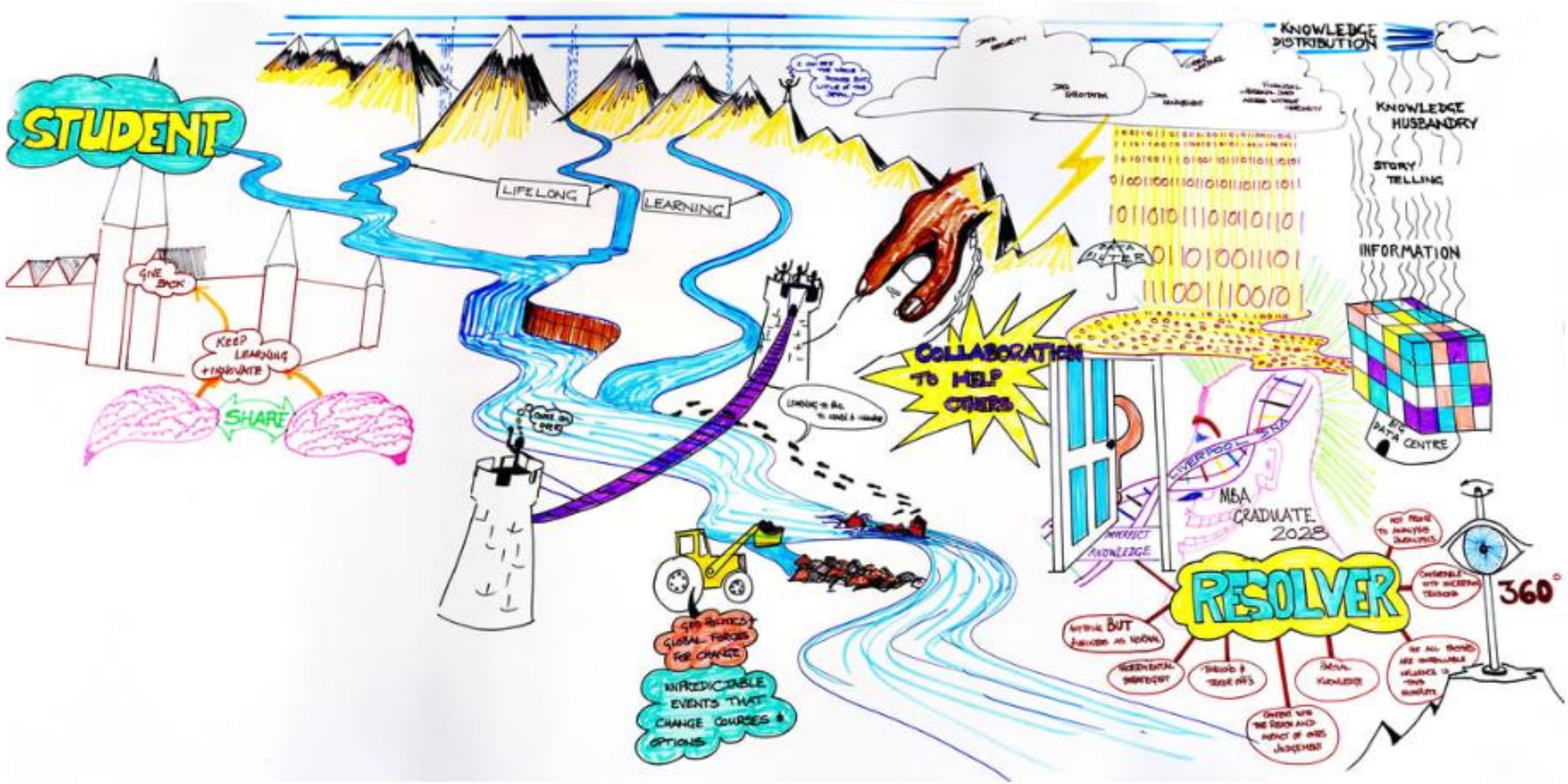


INSTITUTE FOR THE FUTURE

Researching future curricula….



ERPOOL CHANGES YOU.


STUDENT
GIVE BACK
KEEP LEARNING + INNOVATE
SHARE
LIFELONG
LEARNING
GEO POLITICS + GLOBAL FORCES FOR CHANGE
UNPREDICTABLE EVENTS THAT CHANGE COURSES & OPTIONS
COLLABORATION TO HELP OTHERS
KNOWLEDGE DISTRIBUTION
KNOWLEDGE HUSBANDRY
STORY TELLING
INFORMATION
DATA FILTER
DATA CENTRE
MBA GRADUATE 2028
RESOLVER
360°

LEGEND
Heart = empathy / moral compass
Cogs = informed, critical engagement conduit, translator
Global / local awareness
Rainbow people = multicultural environment: ability to function
LLB
Conflicts
PROBLEMS
ISSUES
Justice Equality Dignity freedom Ubuntu
patriarchy
fraud
theft
BoR
sexual violence
greed
Corruption
victimisation
race
gender
poverty
violence
Ubuntu

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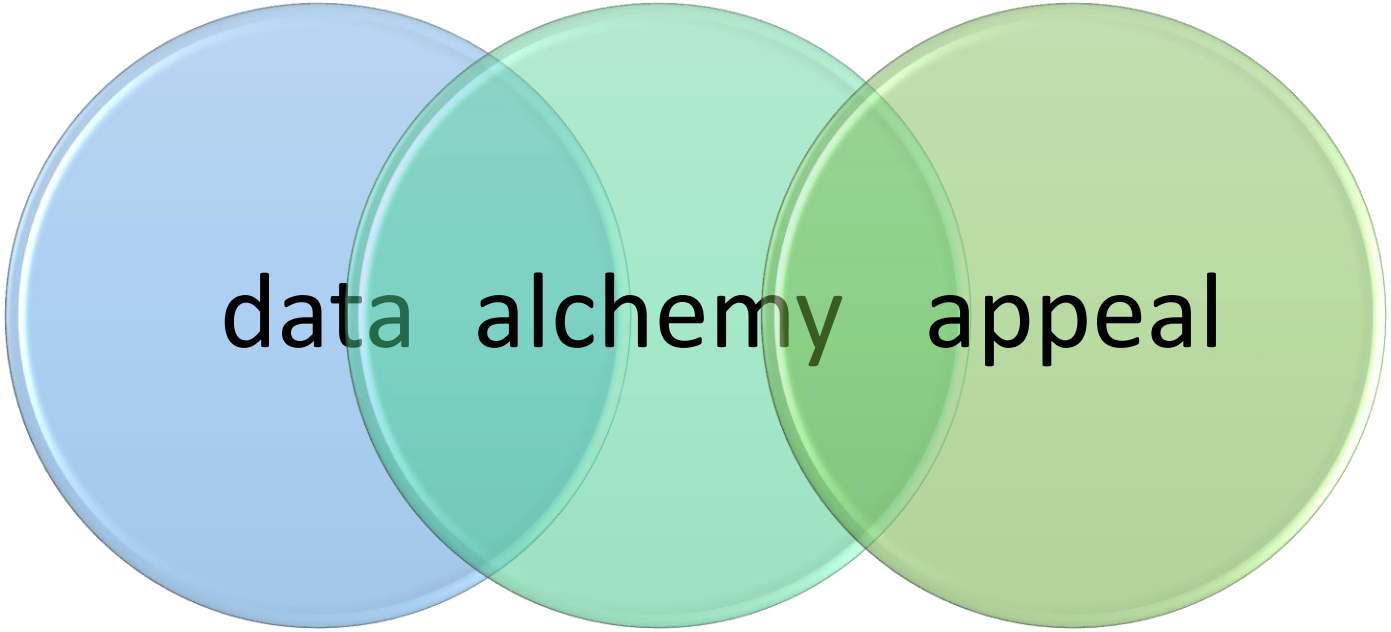

Thanks for listening

MISSION

"Never doubt the power of a small group of people to change the world. Nothing else ever has".
Margaret Mead

"Every society honours its live conformists and its dead troublemakers."
Mignon McLaughlin

www.gillysalmon.com

No budgets or humans were harmed in the making of this presentation