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1. Have You Ever Heard Of Human Augmentation Or Should I Say Transhumanism & How Covid Is Connected ?

When a publication appears on a UK Government website in May 2021 called Human Augmentation - The Dawn Of A New Paradigm we should probably sit up and take notice.

New 🧵 1/23



2. What Is Human Augmentation or Transhumanism. The best description is this one from the Guardian by Mark O'Connell in his book To Be a Machine (amusingly it won the Wellcome Book prize which is the Pharmaceutical company)

theguardian.com/technology/201...

3. "It is their belief that we can and should eradicate ageing as a cause of death; that we can and should use technology to augment our bodies and our minds; that we can and should merge with machines, remaking ourselves, finally, in the image of our own higher ideals."

4. A picture often speaks a 1,000 words and that is certainly the case with the cover of the report where you can see a human hand touching a robot hand with genetic sequencing meeting in the middle.



Ministry
of Defence

Human Augmentation – The Dawn of a New Paradigm

A strategic implications project



in partnership
with



Bundeswehr
Office for
Defence
Planning

5. The report itself is a joint project with the UK's Ministry Of Defence and Germany's Bundeswehr Office for Defence Planning. It is 120 pages long so a lot of time and effort went into putting it together.

[assets.publishing.service.gov.uk/government/upl...](https://assets.publishing.service.gov.uk/government/uploads/...)

6. Even the Disclaimer says a lot

"It is based on combining current knowledge and wisdom from subject matter experts with assessments of potential progress in technologies 30 years out supporting deliberations and deductions for future humans and society"

Future Humans 2.0

7. But what of the report itself. At the very beginning of the document on page 8 it talks about

"Human augmentation has the potential to impact every facet of our lives and even change the meaning of what it means to be a human"

8. This matches up very well with a 90 minute talk from 2017 given at the World Economic Forum entitled

"What Is it to Be Human in the Fourth Industrial Revolution?"

weforum.org/open-forum/eve...

9. There's no evidence that the report was written in conjunction with the WEF but there are similarities. Some of what they say is however quite chilling. Anything to do with transhumanism on the WEF site requires a special log in.

Hiding something ?

intelligence.weforum.org

10. On Page 13 of the DOD report

"The need to use human augmentation may ultimately be dictated by national interest. Countries may need to develop and use human augmentation or risk surrendering influence, prosperity and security to those who will"

11. On Page 14 "Human augmentation is our first insight of what lies beyond today's Information Age – the coming of the Biotech age. The Biotech age will see focus on the human grow. No longer will it be adequate to regard people merely as the means to operate the machine"

12. On the topic of Biotech, Ireland has a Young Global Leader (YGL) Mark Pollock who is very heavily involved with the 4IR & WEF. In Marks case robotics is extremely beneficial as he is a paraplegic.

The problem is using it for nefarious activities

[youtube.com/watch?v=MFuEfK...](https://www.youtube.com/watch?v=MFuEfK...)

The Forum of Young Global Leaders is a community of innovators from diverse backgrounds and experiences. Search current members and alumni by year awarded, sector or region.

Status	▼	Year awarded	▼	Sector	▼	Region
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Mark Pollock

Explorer and Collaboration
Catalyst, Mark Pollock Trust,
Ireland

Mark Pollock

Explorer and Collaboration Catalyst,

Mark helps people to build resilience and collaborate with others so that they achieve more than they thought possible.

Unbroken by blindness in 1998, Mark became an adventure athlete competing in ultra-endurance races across deserts, mountains, and the polar ice caps including being the first blind person to race to the South Pole. He also won silver and bronze medals for rowing at the Commonwealth Games and set up a motivational speaking business (www.markpollock.com).

In 2010 a fall from a second story window nearly killed him. Mark broke his back and the damage to his spinal cord left him paralysed. Now he is on a new expedition, this time to cure paralysis in our lifetime by exploring the intersection where humans and technology collide. As a speaker, Mark is best known for his 2018 TED Talk focused on resolving the tension between acceptance and hope (go.ted.com/markandsimone) delivered jointly with his fiancée, Simone George. It gathered over 1.5 million views in its first 6 months online and has been translated into 12 languages. He has inspired millions of people in hundreds of organisations and is a Davos, World Economic Forum, InnoTown, Founders, EG and Wired speaker.

Co-Founder of the global running series called Run in the Dark (www.runinthedark.org), Mark has been selected by the World Economic Forum as a Young Global Leader and is a former member of the Global Futures Council on Human Enhancement. He is a UBS Global Visionary, is on the Board of the Christopher and Dana Reeve Foundation (USA) and is a Wings for Life Ambassador (Europe).

Mark is the subject of the acclaimed documentaries 'Blind Man Walking' and 'Unbreakable – The Mark Pollock Story' he has been awarded honorary doctorates by The Royal College of

13. Where does Covid fit in ?

Pharmaceuticals

"Pharmaceuticals play a role in many important forms of augmentation including physical, cognitive, emotional, motivational and sensory processes. Pharmaceuticals are one of the oldest forms of human augmentation"

14. It continues

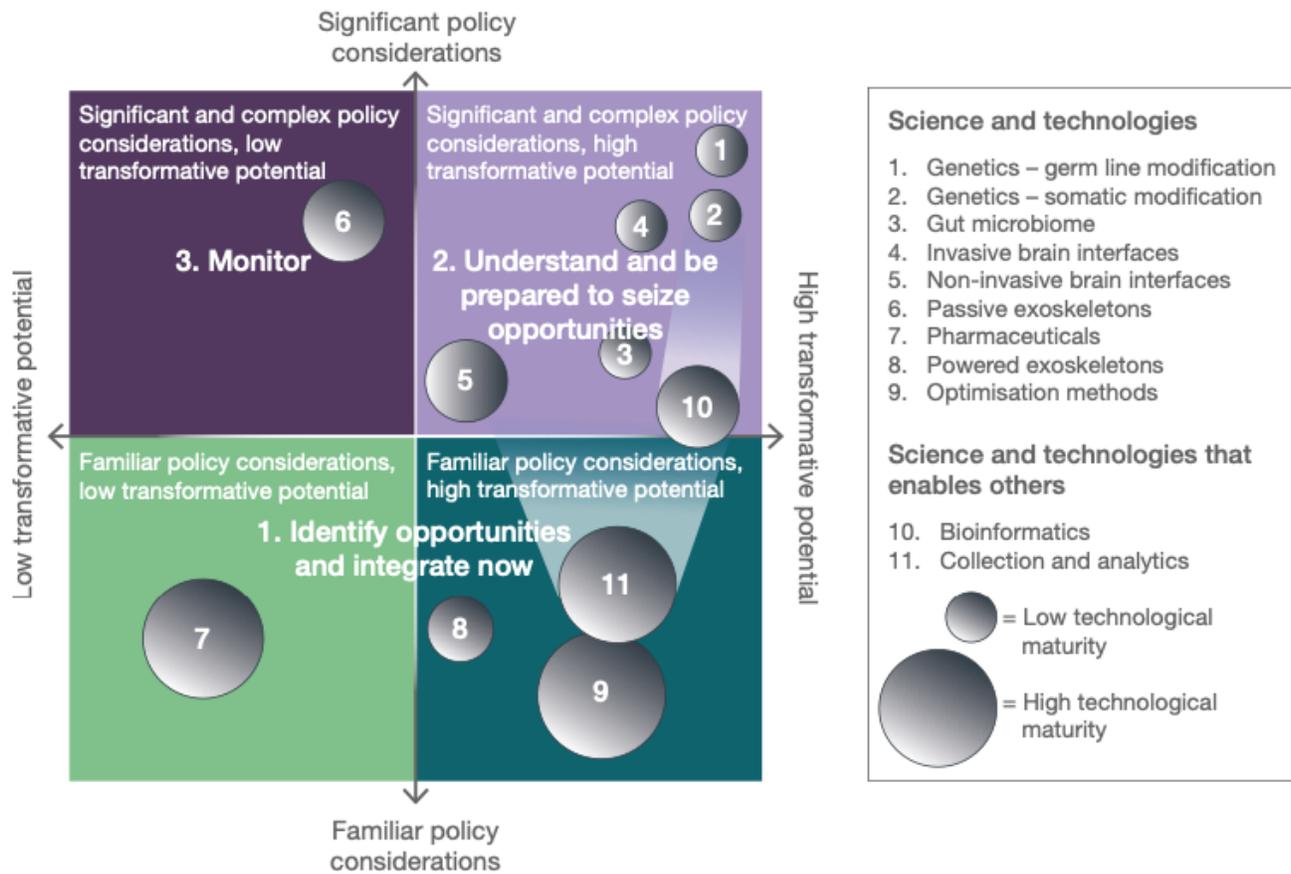
"Currently pharmaceuticals have only limited use in human augmentation but developments in biotechnology, nanotechnology and bioinformatics could allow new pharmaceuticals to be designed that have more powerful and precise effects"

15. In the report there is one particular graphic that should send shivers up the spine of most people.

Pharmaceuticals would seem to be at the top of the tree with regards to identifying opportunities and integrating now.

You don't need me to spell it out

16. But when you see a graphic with the words genetics, gut microbiome, brain interface and pharmaceuticals all interacting together then you can read into it what you will.



17. It continues

"Pharmaceuticals are widely thought to be the archetypal performance enhancers, but this field is changing rapidly and new developments in brain chemistry, psychochemicals, neuropharmaceuticals, cell and gene therapies should be followed closely"

18. "Pharmaceuticals are one of the most prevalent forms of augmentation and a field that is rapidly changing. Pharmaceutical effects are modest in comparison to the potential of genetics and brain interfaces and adverse side effects often negate their benefits"

19. The V word also get mentioned. Rather than type out exactly what the report says about them I have screen captured the relevant information.

Vaccines – how attitudes can vary

The history of vaccinations demonstrates how proven, and seemingly uncontroversial human augmentation technologies can take many years to become globally effective and accepted by societies. The discovery of the smallpox vaccine at the end of the 18th Century saved millions of lives but was condemned by some of the world's leading thinkers. Emanuel Kant, for example, warned that humans would be infected with 'animal brutality' in the vaccine process, which used secretions from cowpox to provide immunity. Notwithstanding the effectiveness of the vaccine, it took 130 years for smallpox to be officially eradicated in 1979.

Today, vaccines are still rejected by sections of society whose caution and/or scepticism stems from a belief that such treatments are an invasion of their physical integrity, or the risk of side effects (real or perceived) are not equal to the benefits of immunity. The ongoing global fight against measles is an example of how rejection of vaccines by certain communities can allow outbreaks to continue, despite a vaccine being in existence for over 50 years.

This example shows that we cannot assume human augmentation will be automatically effective or accepted in its intended use, no matter how beneficial its effects may be. Human augmentation may be resisted by elements of society that do not trust the effectiveness and motive of the augmentation. This will increase the need for dialogue between society, industry and the state.

20. One rather creepy picture appeared as well when mentioning the elderly. I can only describe the picture as the female version of Jimmy Saville making rather dubious hand signals.



Societies may seek to gainfully employ the elderly, but this could impact on the young and jobless

21. The one other particularly interesting area they covered was body hacking or DIY augmentation. This one graphic says a lot.



Body hacking – DIY augmentation

Biohacking is the biological, chemical or technical intervention in organisms with the aim of change and improvement. One area is body hacking, in which you penetrate the human body. People with DIY implants can pose a security risk if the implant can communicate with the surroundings.



Magnet implants were one of the first body hacks. Small magnets were inserted into the fingertips, for example. This not only resulted in an exciting effect when picking up small metallic objects, but also gave owners a new sense – to perceive magnetic and electrical fields.



Radio-frequency identification and near-field communication implants are popular biohacks. Once inserted, these 'chips' can be used for a great variety of identification purposes. They can replace many of our keys and passwords, allowing us to unlock doors, start vehicles, and even log onto computers and smart devices.



Implants on the surface of the skin gently vibrate whenever the wearer is facing magnetic north.



Light emitting diode (LED) implants can be used to create light effects for cosmetic purposes.

22. If you fancy it please feel free to read the whole report. To be honest you probably don't need to. I've tried to take out the fluff and filler and just included the relevant information.

Interesting times ahead for sure.

23. You know the drill 😊 I write these 📖 in my spare time and would really appreciate if you could retweet the very 1st tweet. Likes are great but retweets are required to reach as large an audience as possible to expose what is really going on behind the scenes. Many thanks.