





• The digital skills divide in the UK

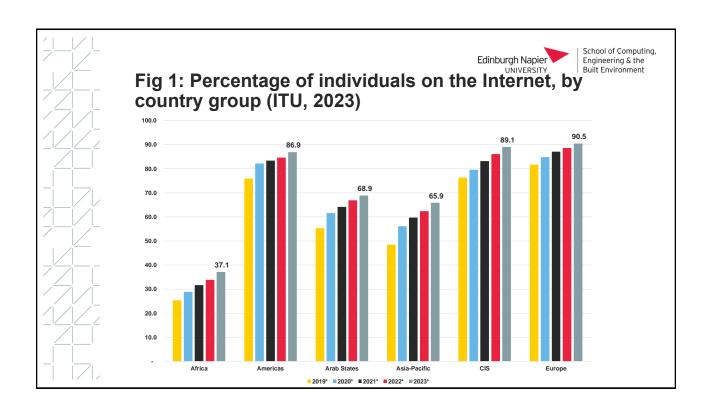
Difference in access speeds

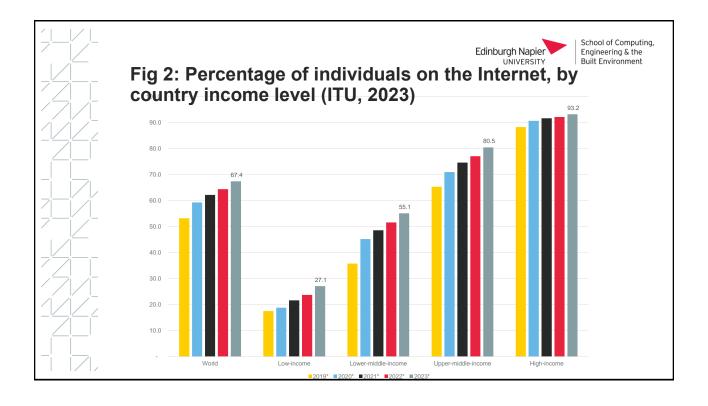
School of Computing, Edinburgh Napier Engineering & the UNIVERSITY **Built Environment** The global digital divide Tavani (2016) offers a working definition: "The perceived gap between those who have and do not have access to "information" tools" and between those who have and do not have the ability to use those tools" • Rooks and Weckert (2007) described it as a "notoriously muddy term", implying that the gap is troubling • Suggests there are many "divides": -between nations (global digital divide) and within nations -between rich and poor, educated and less educated, people with and without disabilities, men and women

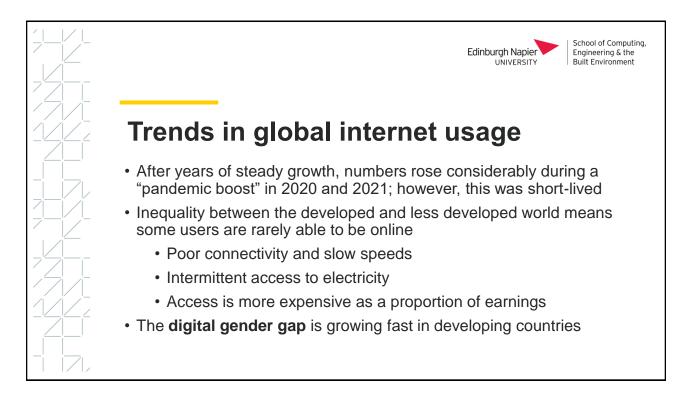


The rising trend masks rising inequality between the developed and less developed world

 96 per cent of the 2.7 billion people still offline are living in the developing world (all figures from ITU, 2022)



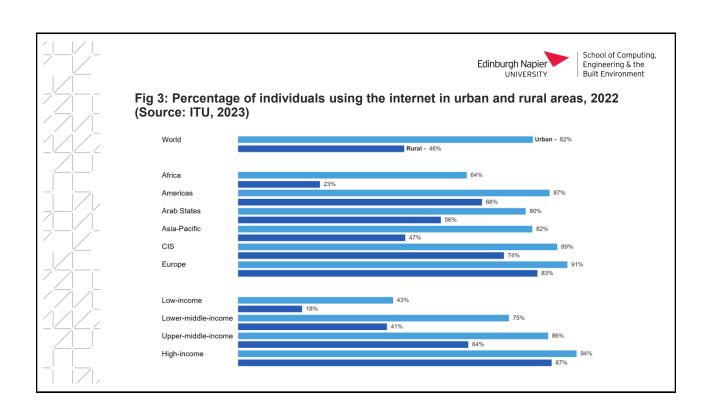






Temporary pandemic boost to internet

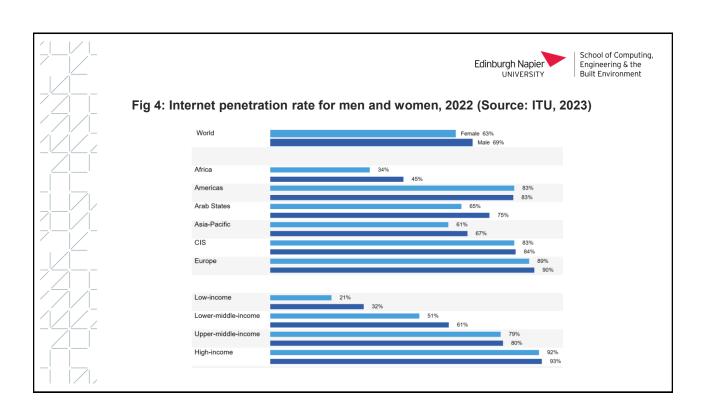
- The ITU estimates that the number of people who have used the Internet surged to 4.9 billion in 2021, 53.6 per cent of the global population, from an estimated 4.1 billion in 2019
- The unusually sharp rise was because of measures taken during the pandemic, such as widespread lockdowns and school closures, combined with people's need for access to news, government services, health updates, e-commerce and online banking
- However, the urban-rural gap remains **severe** (globally 82% of urban dwellers compared to 46% of rural)
- Even in Europe, 83% of rural dwellers against 91% of urban dwellers use the internet, often with much poorer speeds

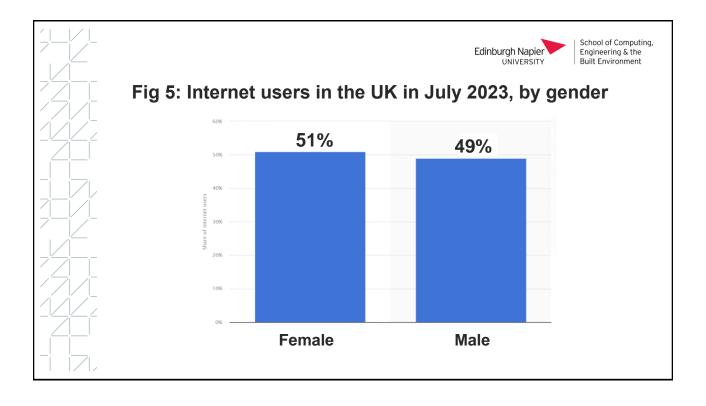


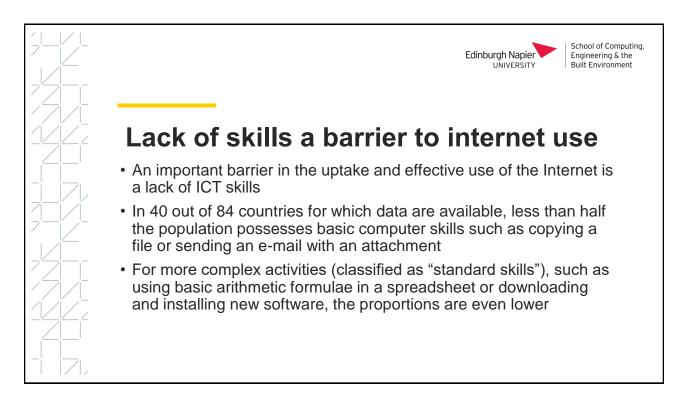


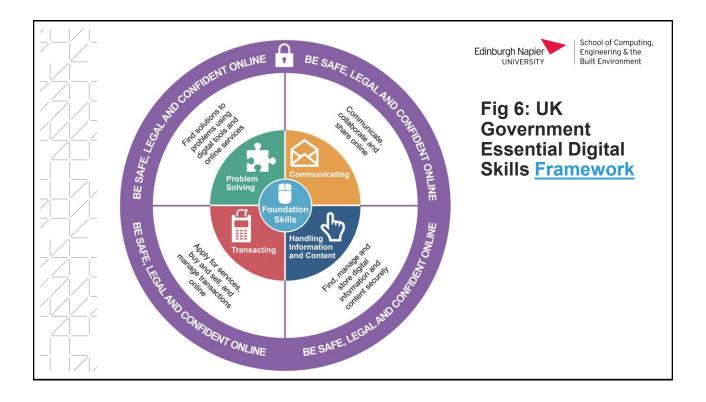
The digital gender gap

- The proportion of women using the Internet globally is 57%, compared to 62% of men; in relative terms, this means that the global Internet user gap is 17%
- The gap is small in developed countries (88% vs 89%), larger in developing countries, most in Least Developed Countries (19% vs 31%)
- The proportion of women using the Internet is higher than that of men in only 8% of countries, while gender equality in Internet use is found in just over one-quarter of countries
- In the Arab States, Asia and the Pacific, and Africa, the gender gap has been growing













Growth in global internet speeds

- Average global broadband download speed measured from 30 May 2017 to 29 May 2018 was 9.10Mbps
- Average speed measured from 9 May 2018 to 8 May 2019 was 11.03Mbps
- Average speed in 2020 was 24.83 Mbps (first pandemic year)
- Average speed in 2021 was 29.79 Mbps
- Average speed in 2022 was 35.98 Mbps
- Latest average global broadband speed in 2023 is 46.79 Mbps
- But mobile broadband speeds vary wildly between nations!

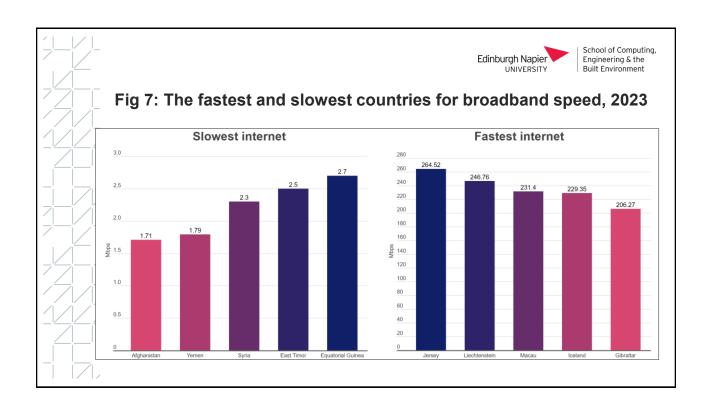




Fig 8: Countries with fastest internet speeds, 2023

Interactive map of World broadband speeds 2023



#1. Jersey

Jersey was the first jurisdiction in the world to make pure fibre (FTTP) available to every broadband user. Jersey Telecom now offers its customers a minimum download speed of 944Mbps.



#2. Liechtenstein

99% of Liechtenstein's population are internet users, and, as a result of its small geographical area, the country enjoys excellent broadband infrastructure with high speeds for all.



#3. Macau

Macau has remained in third place this year with no significant increase in its average network speeds, indicating take-up saturation of current infrastructure.

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#4. Iceland

Iceland's Rural Fibre Project, which guarantees a minimum speed of 100Mbps to 99.9% of its population, has meant the country has held onto its top-four position from last year.

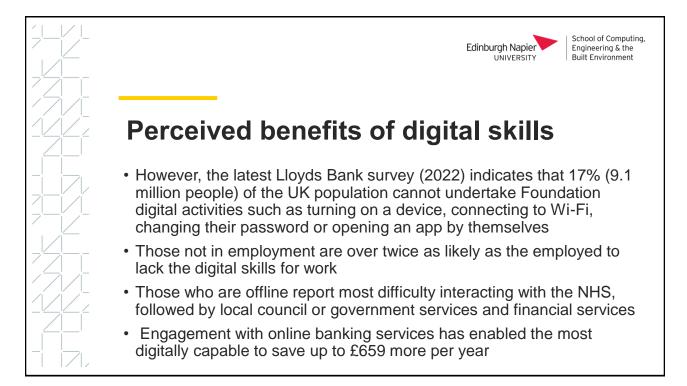
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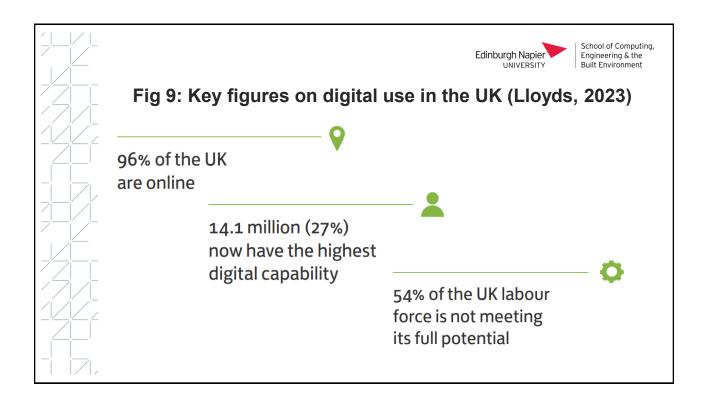
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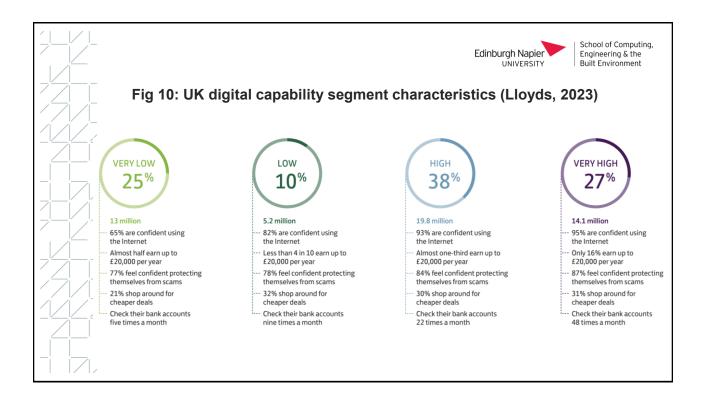
Built Environment

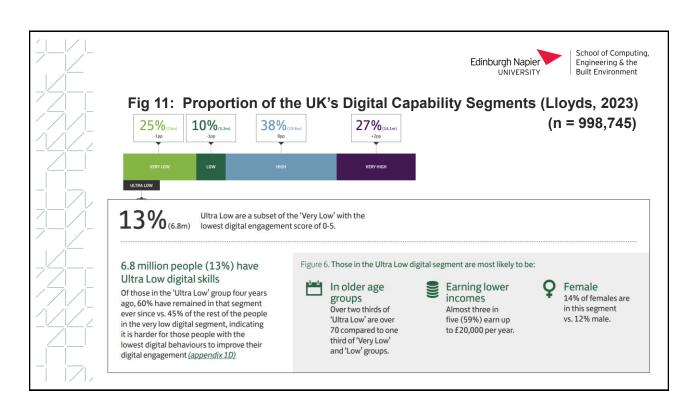


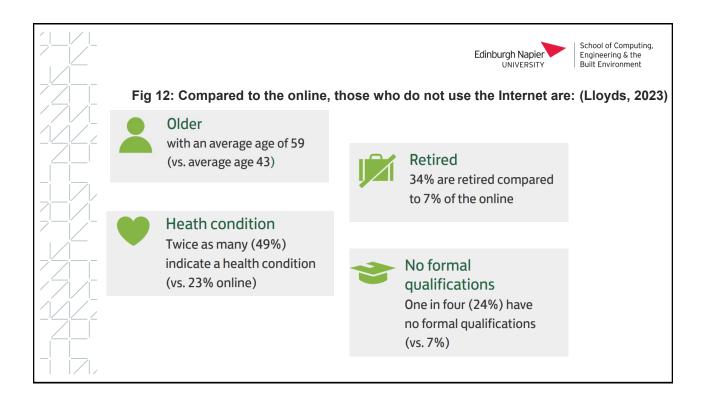
- An recent survey (Lloyds Bank, 2023) indicated that, despite the fact that 99% of people have used the internet at least once in the past three months, 13% (6.8 million people) of the UK population still have the lowest digital capability. They are likely to struggle interacting with online services and are at risk of being left behind and left out of society
- Between 2020 and 2023, the number of people with the highest digital capability rose from 6.5 million to 14.1 million
- Since the beginning of the pandemic, two-thirds (65%) of those online tried something new for the first time, such as shopping and paying their bills online, or working from home

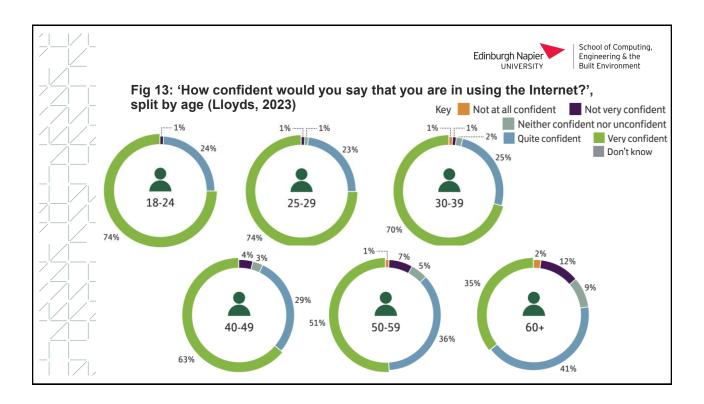








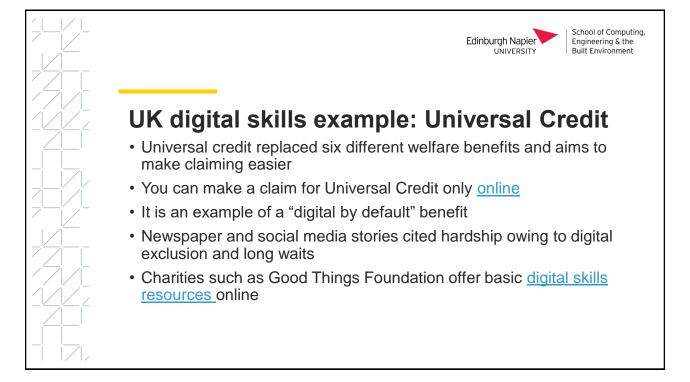


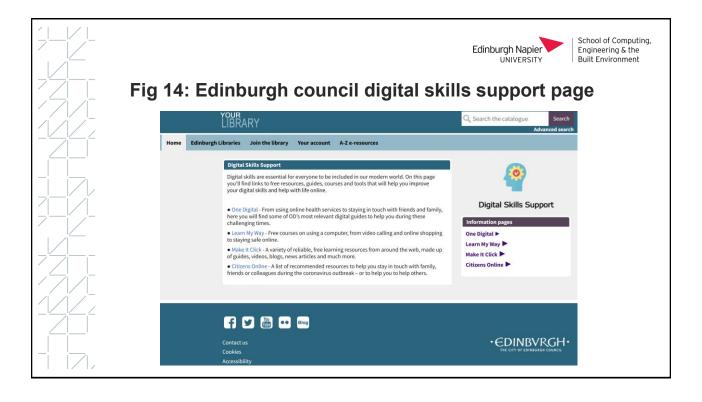


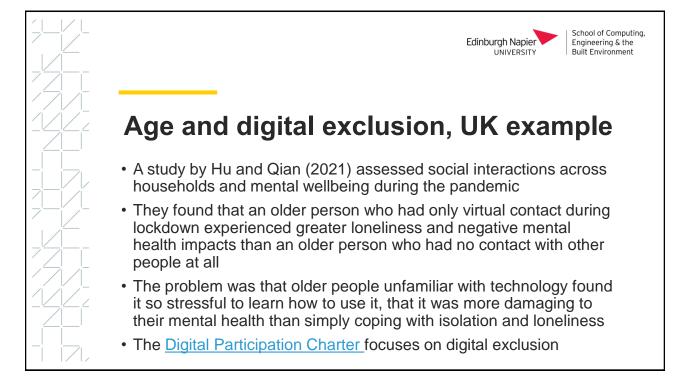


Digital engagement statistics from the UK

- In February 2020, 96% of households in Great Britain had internet access, an increase from 93% in 2019 and 57% in 2006 (latest official figures, ONS, 2021)
- The generation gap between older and younger users is narrowing, but age remains the biggest indicator of whether an individual is online (Lloyds Bank, 2023)
- People with an impairment are 25% less likely to have the skills to access devices and get online by themselves









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