

Digital Development as a tool for inclusive social development

Disability Inclusion and Disability Innovation

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The Global Disability Innovation Hub was launched to continue the innovation around disability that way begun by the 2012

Paralympic Games

"London 2012 was the most successful Paralympic Games ever and the most accessible Olympic Games ever"

President of the International Paralympic Committee



Innovation & Entrepreneurship

Policy & Participation

Research & Teaching

"We are building a movement to accelerate disability innovation for a fairer world"

GDI Hub is a social business and a research center led by University College London



Over

BILLION

People experience impairments

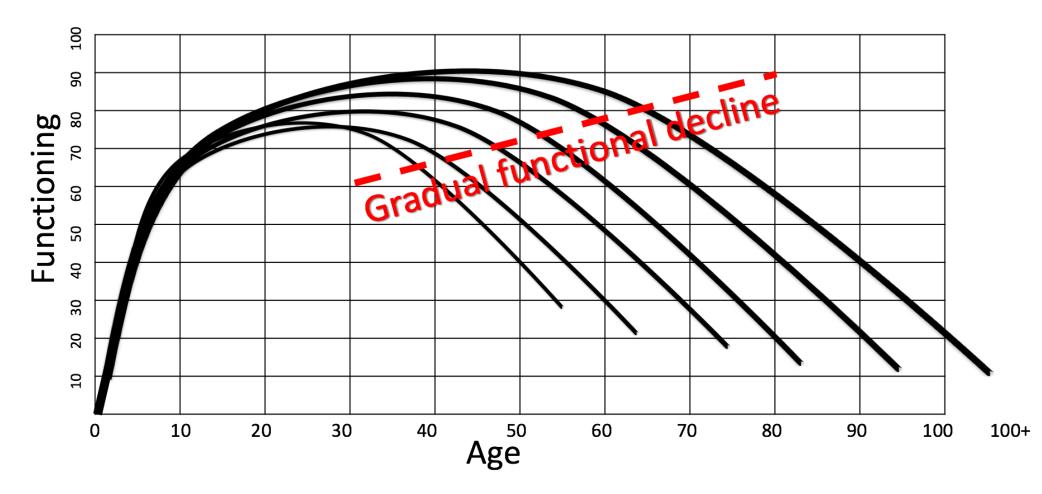


 $\mathbf{1}$ in $\mathbf{7}$ people

2 Over BILLION

People will experience impairments by

2050





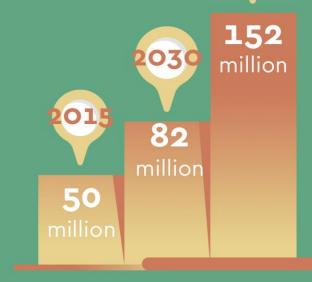
Nearly 10 million new cases every year

One every 3 seconds

2050

50 million people worldwide

Set to triple by 2050





Majority of people who will develop dementia will be in

low- and middle-income countries



Dementia

AT:2030



Case Study: Assistive Technology

Can we set a global mission on for disability innovation?

Who will join in?

Will it work?





Life-Changing Assistive Technology for All

"The challenge of AT provision represents a complex web of market and system failure, compounded by a lack of participation from the communities that have the best knowledge of the issues (AT users themselves). This results in a supply/demand mismatch...making AT access one of the most pressing problems facing the global health sector, development agencies, governments, communities and families."

(Holloway, et al, 2018).







Image: WHO GA

SCOPING RESEARCH REPORT ON ASSISTIVE TECHNOLOGY

ON THE ROAD FOR UNIVERSAL ASSISTIVE TECHNOLOGY COVERAGE

PREPARED BY THE GDI HUB & PARTNERS FOR UK DEPARTMENT FOR INTERNATIONAL DEVELOPMENT

Download from: www.disabilityinnovation.com





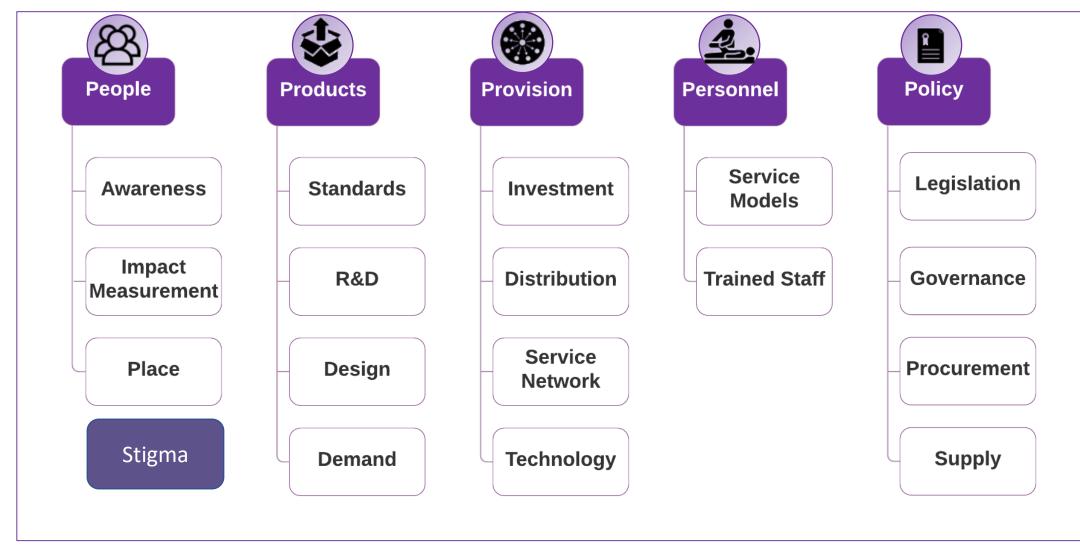
Abandonment rates of up to 80%





Summary of Barriers to AT





Research findings:

- 1. Barriers largely common and now 'known' (reinforced through mixed methods in both studies);
- 2. Mass manufacture probably necessary part of solution but not the whole solution
- 3. No model is yet perfect need to test more methods including digital fabrication
- **4. Distinctions** between product markets, but similarities and opportunities to integrate distribution;
- 5. Markets not yet developed: pre-market shaping and further scoping required
- 6. East Africa focus on Innovation Hub, links to other geographies developed in time
- 7. Opportunities in ICT and Mobile could massively outperform traditional ATs;
- **8. Need to a focus** on accessible technologies, to align with assistive products
- 9. Infrastructure to support market shaping is essential and overdue e.g. Task Shifting;
- 10. Building demand from users by overcoming stigma and prejudice a key element of approach;
- **11. Global coordination** and partnership vital, positive opportunities aboud need to ensure balance;
- **12. Partner investment** requires ROI methodology; consensus on 'mission' and clear impact measurement.





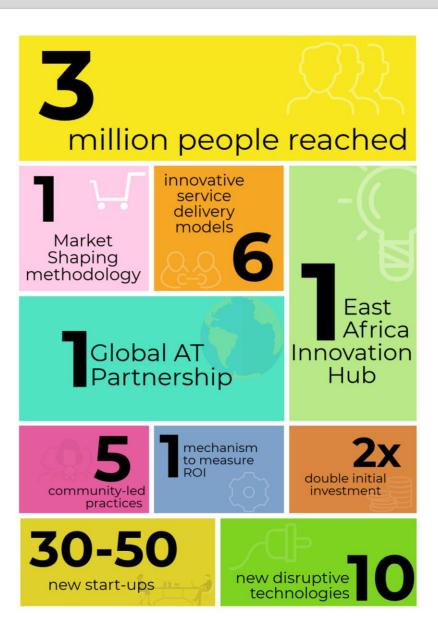


- Global Partnership on Assistive Technology (www.atscale2030.org), led by DIFD & USAID
- Coordinate Research, evidence and impact on 'what works', led by UCL
- Spark innovation to override market failure including an Innovation Hub based in Africa, with a hope to build others around the world
- Drive availability and affordability, through a pilot programme of market-shaping activity which works with private sector and governments to reduce cost, led by Clinton Health Access Initiative
- Open up market access through systems innovation, policy, standards and advocacy, led by WHO
- Build capacity and participation of AT users, because some of the best ideas are community-led and often go uncaptured





- £10m investment by DFID
- Launched at the Global Disability Summit in July 2018, in London
- Reaching 3 million people by 2021
- Seeking match funding to extend to new geographies
- Disruptive Partneship public/private/voluntary
- Disabled people at the heart of decision making





Global Disability Innovation Global Cooperation on Assistive Technology

































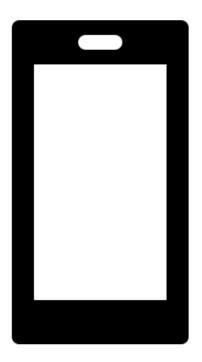






AT2030: Digital Development

- ICT to aid the distribution, tracking and monitoring of AT use
- New methods of training powered by the Internet
- Creating connected data sets to inform policy
- Community solutions, scaled through digital accessible infrastructure











Harnessing digital developments

Digital Design: Local Fabrication







Inclusive Technology: Revolutionising Classrooms











ARCCS: Crowd-sourcing accessible routes

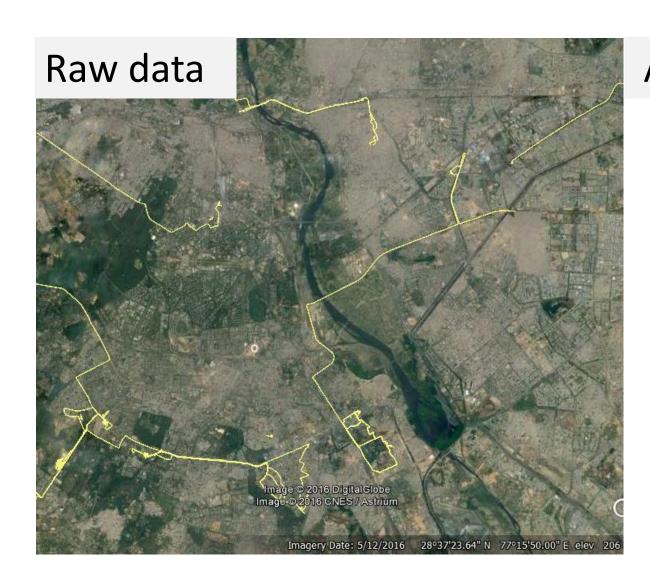


Data Collection Team



Sensor Development





Application







amparo

"There is no back and forth with my technician. All the corrections and adjustments are solved immediately and I could have a prosthesis on the same day. That was perfect!"

Sandy Kühn - left below-knee amputee, GER





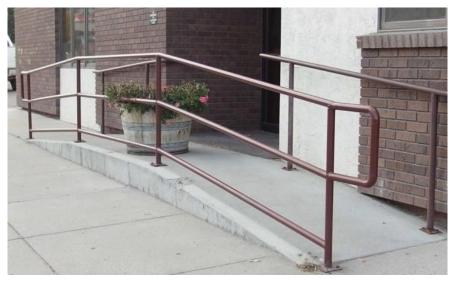


User Involvement is essential at all stages of the process



London 2012's Built Environment Access Panel





It is easy it is to do things wrong if you don't think practically

Over 900 million people do not have access to the Assistive Technology that they need.

We want to change that.

Join us?

