Healthy Ageing Innovation Cluster

Wednesday 10 February 2021, 1300-1500

Digital Health & Care Innovation Centre

ECHAlliance

enterprise europe network

DIGITAL OFFICE
Scottish Local Government

HIE
Highlands and Islands Enterprise
Iomairt na Gàidhealtachd 's nan Eilean

Scottish Enterprise

TEC Technology Enabled Care

Today’s event

Agenda

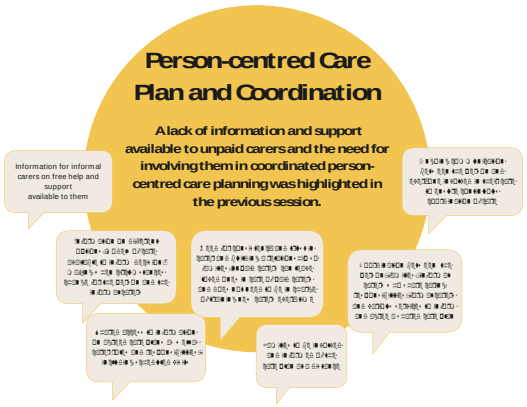
- 1300 Welcome and Introductions
- 1305 Feedback from last session
- 1335 Funding opportunities & New HAIC developments
- 1400 Update from Andy Bleaden, ECH Alliance
- 1415 Refreshment/ comfort break/ Networking opportunity
- 1430 Julie Taylor, Department for International Trade
- 1500 Close

Introduction

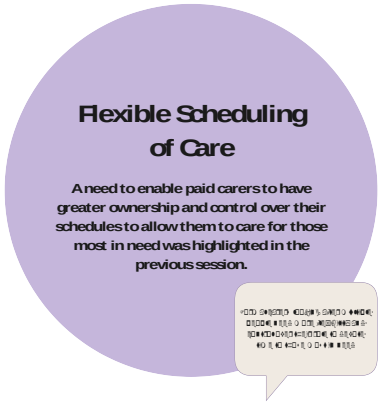
Feedback from last session

Sneha Raman, Cate Green, Angela Bruce, DHI

KEY THEMES



Out of Scope for the Unpaid Carers Grand Challenge



The session built on two key themes/challenges identified for carers from previous event on 4 March 2020:

Person-centred Care Plan and Coordination

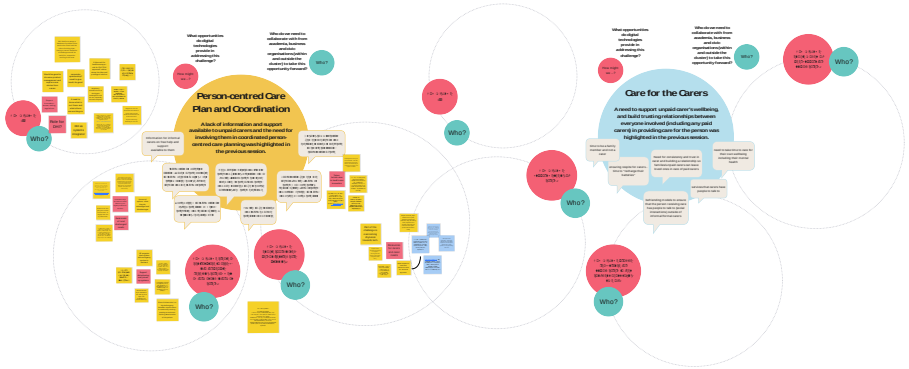
- A lack of information and support available to unpaid carers and the need for involving them in coordinated person-centred care planning.

Care for the Carers

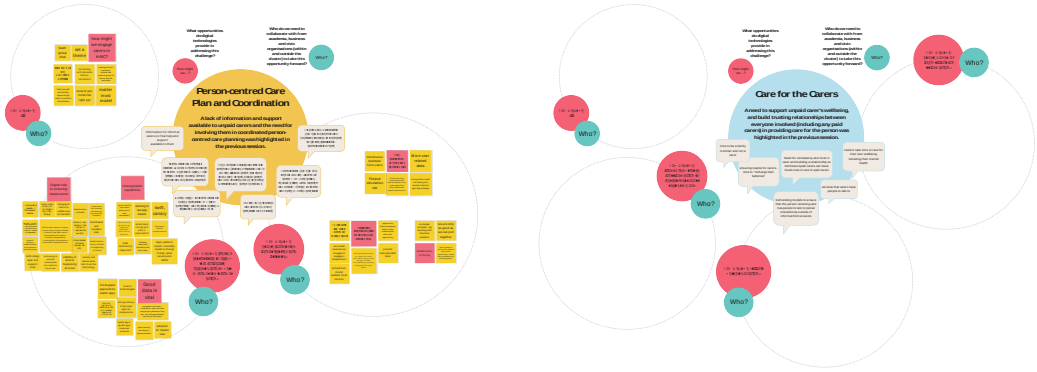
- A need to support unpaid carer's wellbeing, and build trusting relationships between everyone involved (including any paid carers) in providing care for the person.

KEY QUESTIONS

Breakout Group 1



Breakout Group 2



Working in two groups, participants at the event were asked to explore two questions in relation to these themes:

‘How might we ..’ address the challenge?

- What opportunities do digital technologies provide in addressing this challenge?

‘Who’ would need to be involved?

- Who do we need to collaborate with from academia, business and civic organisations (within and outside the cluster) to take this opportunity forward?

KEY OPPORTUNITIES/IDEAS

Person-centred Care Plan and Coordination

- Innovative ways for carers to learn about/ try out digital products or services
  - A US hospital housed a store akin to an Apple Store allowing patients to test & see advantages & disadvantages. A person was there to tell the patient about the products (similar to the 'Apple genius'). UK could take elements of this (but more neutral stance).
  - Smart home on wheels with person on board to showcase and a teaching facility. Mobile could be good way to get education to rural areas & be more inclusive. It will also provide carers opportunity to engage with new technology and try out different options themselves.
  - A digital menu of options for different services and support available (including technology) explaining - what they do; advantages and disadvantages.
- Support data sharing and joined-up systems
  - Technologies exist, but the backend needs to be solved, including addressing interoperable capabilities of systems to an open platform model.
  - Enhancing flow of information between carers and community nursing.

KEY OPPORTUNITIES/IDEAS

- Taking a holistic view to health and care innovation
  - Smart buildings/homes, looking holistically at issues that can have an impact on health, e.g. fuel poverty.
  - Access to up-to-date reliable data for developers such as a live continuous user testing environment which takes into account context e.g. living changes in order to provide more holistic solutions.

Care for the Carers

- Resources for carers and carer needs
  - Develop Kind Space further to a community for carers/ database with tips and info to act as a friend that is always there, and ability to share advice with others, sharing goals, and peer support. Resources such as Bridgit currently exist.
  - Access to up-to-date, secure and trusted technologies to support more holistic view.
- Ensuring reassurance for carers
  - Potential of technology to provide visibility of what is happening at home when carer taking respite.

WHO NEEDS TO BE INVOLVED

- Participants' (especially SMEs) suggestions on DHI's role/ purpose of cluster:
  - Need for a live and continuous user-testing environment, such as Living Labs, that members of the cluster can engage with to develop new opportunities.
  - Engaging people with lived experience - both of receiving care and carers - actively in the cluster.
  - Need for an independent approval body for kitemarking new emerging technologies to build credibility for taking it to the NHS and other health and care organisations.
  - Policymakers and experts/consultants who can contribute knowledge on navigating implementation and regulation landscape.
- Participants (especially SMEs) anticipated potential challenges to implementation as:
  - Lack of interoperability of digital systems across the health and care sector posing a challenge for SMEs to develop new compatible technologies.
  - Lack of support for SMEs/innovators to navigate the complex regulatory environment and other barriers to introducing new technology, and the need for additional support through involving consultants and policy/decision makers in the cluster.

Funding opportunities

Kara Mackenzie, DHI

Funding Opportunities

- SBRI – improving co-morbidity acute care using data analytics – Phase 1

  The aim is to improve clinical decision-making by introducing a data-driven approach that must:

  - identify multimorbidity patients
  - provide individual risk stratification through real-time data visualisation
  - provide decision support following an emergency admission
    - **Closing date: 03 March 2021**
    - Value: share of £160k Inc. VAT up to £10k
    - More information

Funding Opportunities

- Digital Health in Developing Economies

  The European Space Agency invites tenders to undertake a study to assess the technical feasibility and commercial viability of space-based services and solutions in the area of digital health for developing health ecosystems. Tenderers will undertake a study to assess the technical feasibility and commercial viability of space-based services and solutions in the area of digital health for developing health ecosystems. The aim is to reduce the technical and commercial risks for their implementation and operation.

  The focus is on India and African countries, with areas of interests including:

  - health information digitalisation;
  - improving diagnosis and treatment;
  - enabling elderly care technologies.

    - **Closing date: 20 March 2021**
    - Value: Up to £200k Euros per activity
    - More information

Funding Opportunities

- SBRI – Improving hip fracture outcomes using data – Phase 1

  The aim of the competition is to improve outcomes for hip fracture patients by developing a system using routinely collected health data and data analytics techniques.

  The system must optimise complex patient care pathways to deliver hip fracture care according to national care standards. Your project can focus on one or more of the following:

  - Data analytics
  - Artificial Intelligence (AI)
  - Software development
  - Machine learning
  - Analysis of risk
  - Computerised decision-support/ integrate care pathway development

  - **Closing date: 31 March 2021, 1100**
  - Value: share of £160k Inc. VAT
  - More information

Funding Opportunities

- NIHR – Adult community health and social care services to avoid planned and unplanned hospital admissions
  - The focus of this call is on the organisation and delivery of adult community health and social care services, and its role in avoiding planned/unplanned hospital admissions.
    - **Closing date: 08 April 2021**
    - Value: unspecified
    - More information

Funding Opportunities

- ERA-Net Active Assisted Living Platform – Advanced inclusive health and care solutions for ageing well in the new decade
  - This supports innovative, transnational and multidisciplinary collaborative projects with a focus on inclusive health and care approach, the stimulation and upscaling of innovation in active and healthy ageing through health and care ecosystems and the accessibility of digital solutions to end users. Projects must demonstrate a clear route to market and added value for the different types of end-users. Solutions must be embedded into the strategies of the participating end-user organisations, service providers and business partners.
    - **Closing date: 21 May 2021**
    - Value: 300k Euros for 6-to-9-month projects, 2.5m Euros for collaborative projects between 12 – 30 months
    - More information

Funding Opportunities

- Wellcome – Innovator Awards

  Wellcome innovator awards support researchers who are transforming ideas into healthcare innovations that could have a significant impact on human health. Research may be in any scientific discipline, including those outside the life sciences, and can be on any type of technology, including:

  - Therapeutics
  - Devices
  - Digital technologies
  - Vaccines
  - Diagnostics
  - Regenerative medicine

    - **Closing date: 24 May 2021**
    - Value: £500k for 2 years, £750k for 3 year, collaborative projects
    - More information

Funding Opportunities

- InnovateUK Smart Grants – January 2021

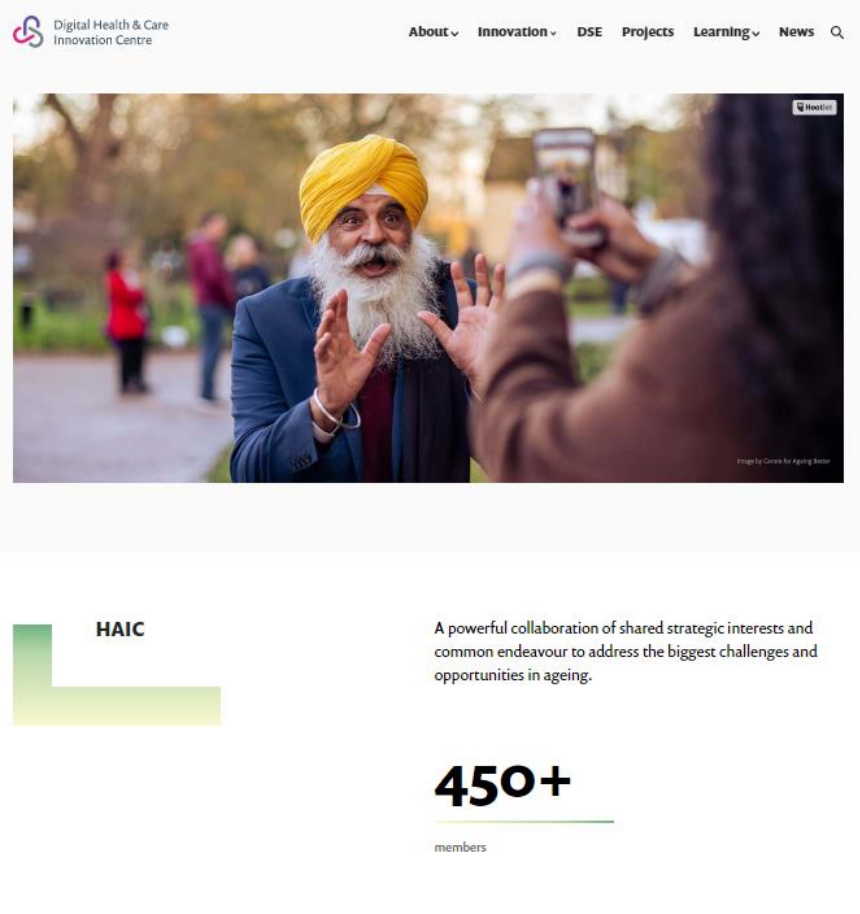
  Innovate UK, part of UK Research and Innovation, is investing up to £25 million in the best game-changing and commercially viable innovative or disruptive ideas. All proposals must be business focused.

  - Applications can come from any area of technology and be applied to any part of the economy, such as, but not exclusively:
  - the arts, design and media
  - creative industries
  - science or engineering
    - **Closing date: 26 May 2021**
    - Value: TBC
    - More information

New HAIC Developments

Grant Reilly, DHI

HAIC webpages



- Introduction video
- Funding feed added
- Expanded resources section
- Ability to join our network
  - Exclusive access to LinkedIn Group

Visit our HAIC webpage

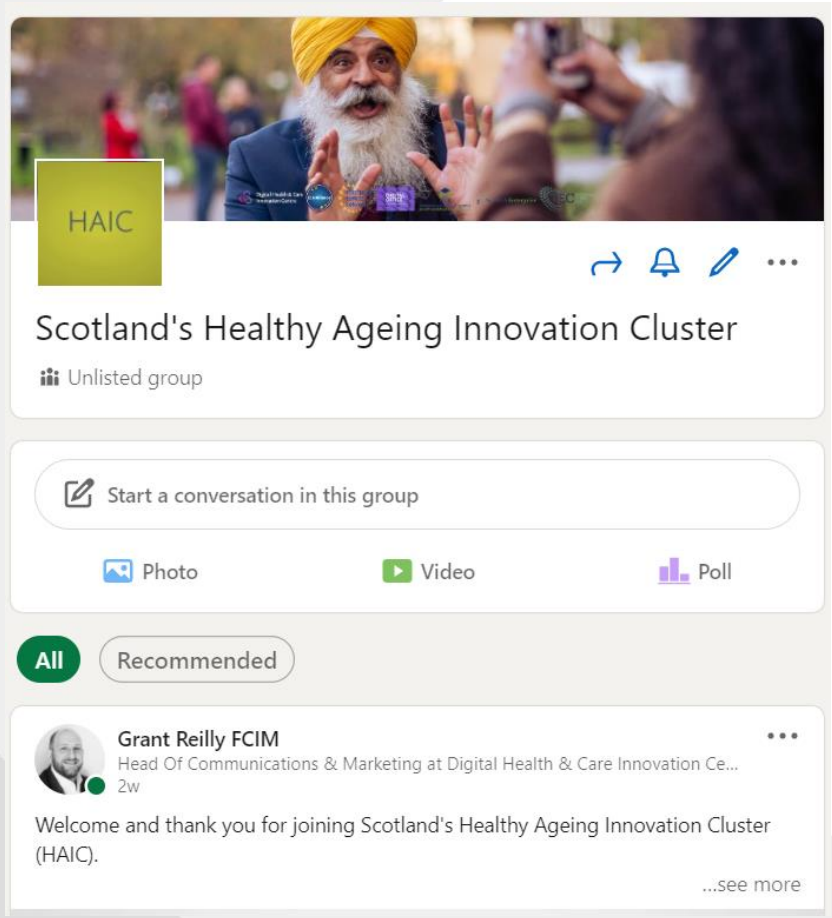
- Scan the QR code →

Or

- Enter:

www.dhi-scotland.com/innovation/innovation-clusters/healthy-ageing/

LinkedIn HAIC Group



- Private Group
  - Must have joined DHI network for access
- Moderated by DHI
- Networking/ posting key and relevant information

Join our private LinkedIn HAIC Group

- Scan the QR code →

Or

- Enter:

www.linkedin.com/groups/12496744/

2021 HAIC member survey

Healthy Ageing Innovation Cluster Member Survey 2021

Your Cluster Needs You!

The Digital Health & Care Innovation Centre facilitate Scotland's Healthy Ageing Innovation Cluster (HAIC) on behalf of our key strategic partners.

The purpose of the cluster is to:

1. Create a collective of shared interests, expertise and skills
2. Share information and support knowledge exchange
3. Build collaborations that are greater than the sum of the individual parts
4. Seek and solve demand-led challenges
5. Identify funding/ host challenge opportunities

- Last survey was done 1 year ago
- Covid-19 impact
- Membership has increased to over 450
- Time to refresh our thinking
- Feedback at our next event

Take part in our 2021 HAIC member survey

- Scan the QR code →

Or

- Enter:

www.surveymonkey.co.uk/r/HAIC21

ECH Alliance update

Andy Bleaden

The Global Connector for Digital Health

European Connected Health Alliance

Andy Bleaden

Director Ecosystems & Membership at ECHAlliance

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@andybleaden

@ECHAlliance

About ECHAlliance

WHO

Member Organisation (750+ organisations)

Companies, policy-makers, research orgs, health & social care providers, patient groups, insurance, procurers, government ministries

16,500+ experts / professionals

Not for Profit Organisation

Registered in Ireland and in the UK

About ECHAlliance

WHERE

Global reach across
78 Countries and
4.6 billion people

International Network of 50+ Digital Health Ecosystems

180+ ecosystem gatherings a year

About ECHAlliance

WHAT

Connecting the dots

Network of Digital Health Ecosystems

Comms & networking

Supporting our members

Global Events

Funding/Tenders

Become a member of ECHAlliance

Boost your network

Join Working Groups

Make Direct Connections

Funding and Tender Alerts

Collaboration in Funded Projects

Access our Ecosystems

Promote your organisation

Discount on Events

Speaking Slots Opportunities

Our current members

Department of Health | An Roinn Sláinte | Männystrie O Poustie

Ministerie van Volksgezondheid, Welzijn en Sport

Generalitat de Catalunya

Министерство на здравеопазването

Agenzia sanitaria e sociale regionale

REGION SKÅNE

MINISTERSTVO ZDRAVOTNICTVÍ ČESKÉ REPUBLIKY

XUNTA DE GALICIA

REPUBLIC OF ESTONIA MINISTRY OF SOCIAL AFFAIRS

ZEALANDDENMARK

Ministry of Economic Development, Job Creation & Trade

FS FundeSalud
Fundación para la Formación e Investigación de los Profesionales de la Salud de Extremadura

region västerbotten

MÉTROPOLE NICE CÔTE D'AZUR

Our current members

EURORDIS RARE DISEASES EUROPE

FMF & AID Global Association

4 Dementia Carers .org.uk

WFIPP World Federation of Incontinence and Pelvic Problems

HUNGARIAN OSTEOPOROSIS PATIENT ASSOCIATION

Patient and Client Council
Your voice in health and social care

Chest Heart & Stroke Scotland

Stroke Association

ageUK

EMHA European Migraine & Headache Alliance

RONARD
Romanian National Alliance for Rare Diseases

Pseudomyxoma Survivor

Heales Healthy Life Extension Society

European Patient Advocacy Group

SCLERODERMA & RAYNAUD'S UK

PORTO 4 AGEING
OPORTO EXCELLENCE CENTRE ON ACTIVE AND HEALTHY AGEING

DISABLED LIVING FOUNDATION

Kidney Wales Aren Cymru

peat
Parents' Education as Autism Therapists

Ecosystems

...bring together a permanent community of stakeholders to develop a joint health agenda, aiming to address and find common solutions to regional health challenges

The main benefit of working together in an Ecosystem is the multiplier effect of collaborating in our International Network of Ecosystems.

Ecosystems:

- **break down silos,**
- **transform healthcare delivery,**
- **create economic growth**

Our International Network of Ecosystems

ARGENTINA

AUSTRALIA – Melbourne

BELGIUM – Brussels
FRANCE – Flanders

BRASIL

CANADA – Ontario
CANADA – Quebec

CHILE

CZECH REPUBLIC

DENMARK – Southern Denmark

ENGLAND – Manchester
ENGLAND – North West Coast
ENGLAND – London
ENGLAND – Yorks/Humber
ENGLAND – South West Coast

ESTONIA

FINLAND – Oulu
FINLAND – Ostrobothnia
FINLAND – South Ostrobothnia
FINLAND – Kuopio
FINLAND – Central Finland
FINLAND – Helsinki

FRANCE – Bretagne
FRANCE – Nice

GERMANY – Rheinland
GERMANY– Hess
GERMANY – Nuremberg

GREECE – Athens

INDIA

ITALY - Treviso

LITHUANIA

MALTA

MEXICO

NETHERLANDS - Friesland

NORTHERN IRELAND

NORWAY

PORTUGAL

REPUBLIC OF IRELAND

ROMANIA – Transylvania

SERBIA

SCOTLAND
HIGHLANDS & ISLANDS

SLOVENIA

SPAIN – Valencia
SPAIN – Galicia
SPAIN – Catalonia
SPAIN – Basque Country
SPAIN – Extremadura

SRI LANKA

SWEDEN – Västerbotten

USA – New York

WALES

Benefits of joining an International Network of Ecosystems

As part of an international network of ecosystems an ecosystem can:

Collaborate
with other regions

Bring in best practice
from outside your country in Healthcare

Increase access
to international markets

Scale up innovation
in your region and country in new settings

Join 55+
other Ecosystems and NEW THEMATIC Ecosystems

The Global Connector for Digital Health

European Connected Health Alliance

Thank you!

Andy Bleaden

Director Ecosystems & Membership at ECHAlliance

andy@echalliance.com

www.echalliance.com

@andybleaden

@ECHAlliance

Refreshment break/ networking

Join our private LinkedIn HAIC Group

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- Enter:

www.linkedin.com/groups/12496744/

Julie Taylor

Healthy Ageing Specialist

Life Sciences and Healthcare | Department for International Trade

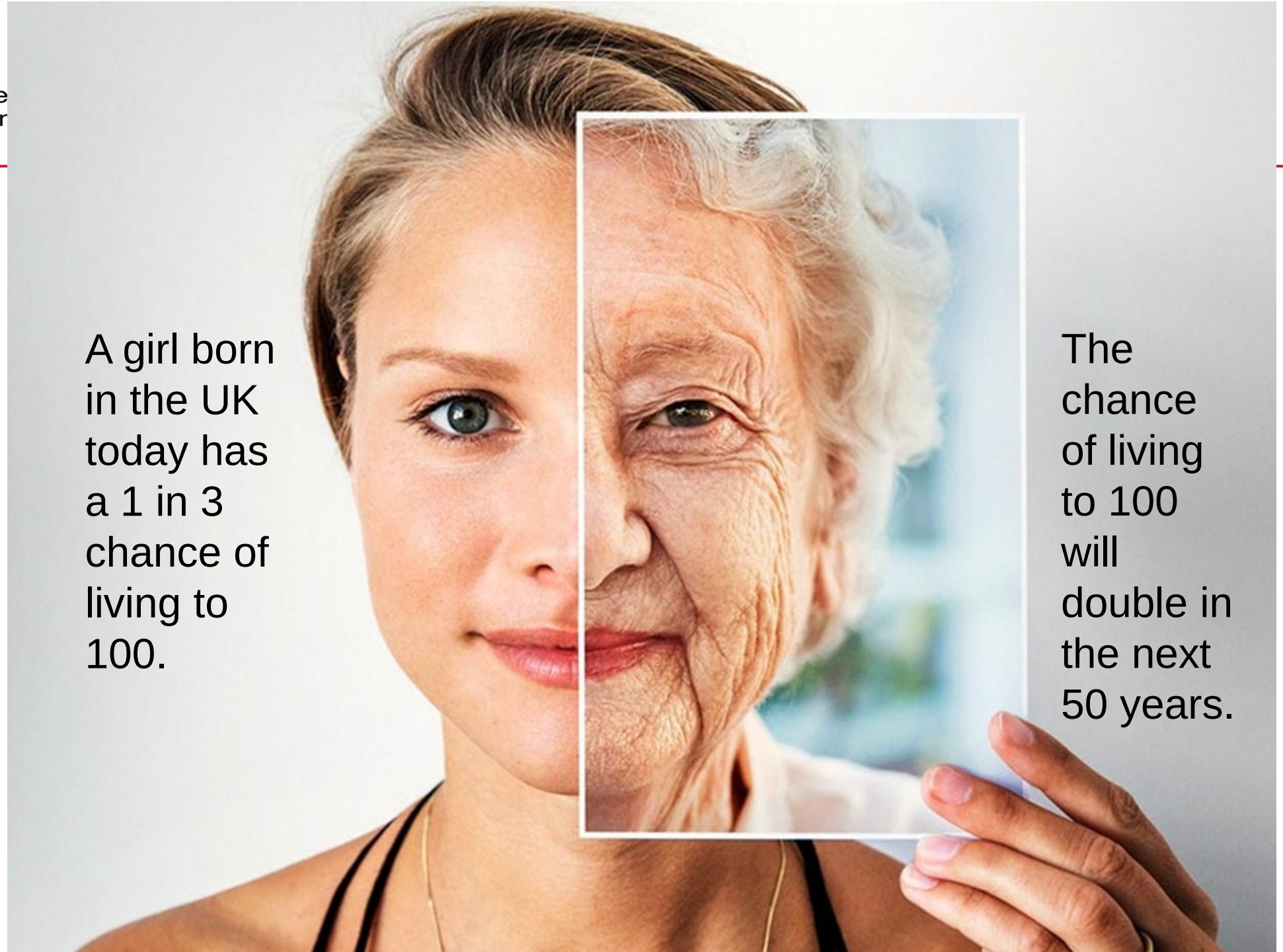
Department for International Trade

DIT supporting the Ageing Society Grand Challenge

Julie Taylor, Healthy Ageing Specialist

Julie.taylor@trade.gov.uk

Departme
Internatior



A girl born in the UK today has a 1 in 3 chance of living to 100.

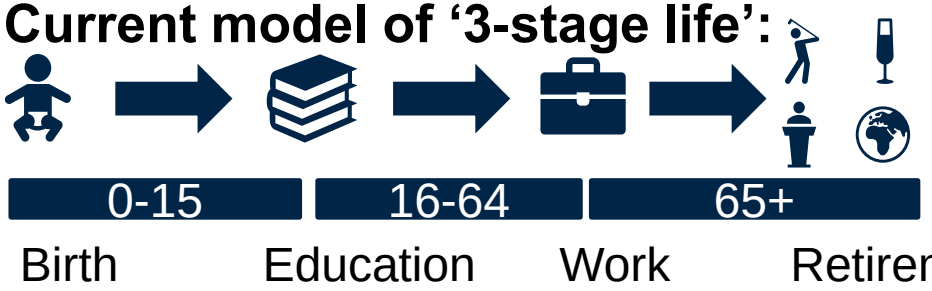
The chance of living to 100 will double in the next 50 years.

Department for International Trade

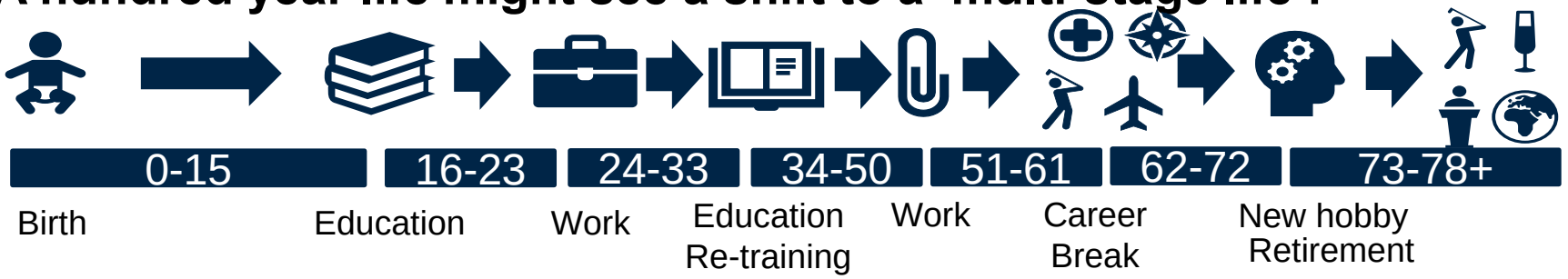
The 100 year life

Our longer lives could profoundly change the way we approach life, regardless of age, opening up new opportunities

Current model of '3-stage life':



A hundred year life might see a shift to a 'multi-stage life':



Department for International Trade

The Industrial Strategy: Grand Challenges

AI and data economy

"We will put the UK at the forefront of the AI and data revolution"

Ageing society

"We will harness the power of innovation to help meet the needs of an ageing society"

Clean growth

"We will maximise the advantages for UK industry from the global shift to clean growth"

Future of mobility

"We will become a world leader in the way people goods, and services move"

Source: gov.uk; July 2018

Mission statement:

Ensure that people can enjoy **at least 5 extra healthy, independent years of life** by 2035, while narrowing the gap between the experience of the richest and poorest

DIT is responsible for delivering the trade and investment element of the Ageing Society Grand Challenge

Our global network extends to DIT teams in 177 cities around the world.

Department for International Trade

Industrial Strategy Progress to Date

£98 million innovation fund – Industrial Strategy Challenge Fund for Healthy Ageing, that will aim to stimulate well-designed innovations to support healthy ageing.

Department for International Trade

ISCF: Healthy Ageing Investment Accelerator

Innovate UK Accelerator

UKRI has partnered with three private investors, Barclays Ventures, Legal & General and Northstar Ventures, to support UK SMEs and Start-Ups looking to develop and take to market innovations that address the ISCF healthy ageing challenges.

After a successful pilot competition which received over 750 registrations and allocated £13M of grants alongside private equity from our Investor Partner.

A new investment accelerator initiative providing simultaneous grant funding and private investment for early stage projects led by UK companies. A total of £29 million in government grants together with matched funding from private investors will be available over the next four years for projects up to £1.5 million in eligible costs.

Northstar Ventures

Legal & General

BARCLAYS Eagle Labs

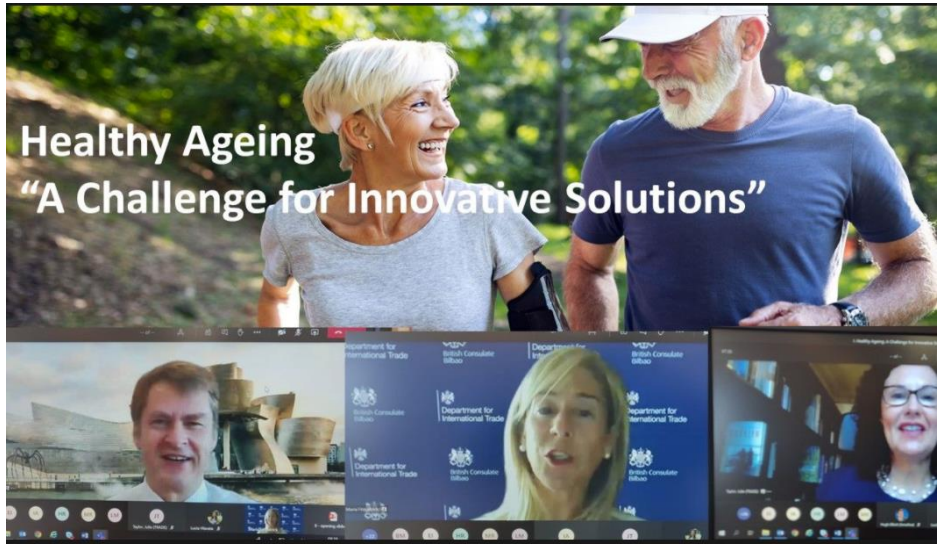
Innovate UK

https://www.ukri.org/innovation/industrial-strategy-challenge-fund/healthy-ageing/

Department for International Trade

DIT International Activity

Then and now



Department for International Trade

II. Unlocking Innovation and Collaboration for Healthy Ageing

The objective of this session is to highlight how innovation can unlock Healthy Ageing solutions and lifestyles, sharing experiences from UK and Basque research and showcasing six companies.

Session 2 – 22nd October

9.30	Welcome by Maria Fitzpatrick – Department for International Trade Bilbao
9.35	UK Research and Innovation – UKRI / Innovation UK – George MacGinnis Challenge Director, Healthy Ageing, UK Research and Innovation
9.50	Basque Foundation for Health Innovation and Research – Healthy Ageing/Silver Economy Challenges. BIOEF, Iñaki Gutierrez – Director of Organisational Innovation and Management
10.10	Care Software Providers Association (CASPA) – Nuno Almeida – Founding Partner
10.20	Pitches by Nourish Care – Nuno Almeida / Buddi – Ro Murray/ Walk with Path – Lise Pape
10.35	Pitches by KUVU – Haize Trueba/ Evolvrehab – David Fried - CEO/
10.50	Q&A Moderated by Ana Ruiz de Apodaca – Deputy Managing Director Basque Health Cluster

CASPA
The Care Software Providers Association (CASPA), is an independent association representing the views and interests of social care software providers.

UK Research and Innovation
UK Research and Innovation works in partnership with universities, research organisations, businesses, charities, and government to create the best possible environment for research and innovation to flourish.

Department for International Trade

GREAT.gov.uk

GREAT
BRITAIN & NORTHERN IRELAND

Brands | Campaigns | Content | Showcase | How-to guides | Image and Video Library | I need to… | Webinar Templates

To come: A healthy ageing marketing campaign; videos, case studies, interviews

Department for International Trade

Opportunities in Healthy Ageing

This covers:

- Prevention & Diagnostics
- Advanced Therapies
- Rehabilitation & MedTech
- Digital and Technology Solutions
- Mental Health & Wellbeing
- Dementia Care
- Care Homes and Care Villages
- Age-friendly Homes

Department for International Trade

2 x Healthy Ageing High Potential Opportunities 2021

DIT's High Potential Opportunities

Each HPO aims to put forward a clearly defined commercial opportunity for investment in the first instance, which is then supported by a detailed enabling case that demonstrates why a location is an ideal place to exploit that opportunity. The HPO programme packages these opportunities up into commercial propositions to promote to companies overseas, supported by company targeting and digital marketing.

Desired Outcomes, Impact and benefits: levelling up, industrial strategy grand challenges, local industrial strategy, 'golden assets'.

Department for International Trade

North East Healthy Ageing HPO

North East Healthy Ageing HPO

Led by **Invest Newcastle** and working with **Invest North East England** and the **North East Local Enterprise Partnership** this will benefit the whole region. Coming at a crucial time for the UK economy, supporting the region to further its position as pioneers of the longevity economy, an international innovation destination and as a place where businesses from across the globe can grow & thrive.

4 of the 11 healthy ageing catalyst awards have gone to groups from Newcastle.

'Whole home improvements'
A collaboration between E.ON Energy, Newcastle University, Invisible Creations® and ADL Smartcare

Department for International Trade

North West Healthy Ageing HPO

Manchester / Cheshire & Warrington HPO

The HPO will have strong focus on molecular and digital diagnostics with reference to healthy ageing but potential draw in other complementary areas. Led by MIDAS.

- Smart Technologies
- Molecular / Digital Diagnostics
- Early Intervention and therapeutics
- Assistive technologies

GM Ageing Hub

Department for International Trade

UK Healthy Ageing Industry Environment

Nearly 100 research institutes and networks working on ageing (e.g. UCL's UK Dementia Research Institute)

5

At least 5 incubators specialising in ageing (e.g. AgeTech, Advanced Wellbeing Research Centre, Cell and Gene Therapy Catapult)

Two experimental villages (South Seaham Garden, Harmonia in Dover) and a building research centre (BRE)

New funds focused on healthy ageing e.g. Innovate UK, 4Gen, Future Care Capital

Government funded competitions encouraging innovation

Local industrial strategies e.g. Greater Manchester's Ageing Hub

Large number of start-ups and more mature companies working in healthy ageing

A mature health and care system with real estate opportunities and access to large health data sets

INDUSTRIAL STRATEGY

UK government focus on Healthy Ageing

Questions

- Please use chat field to submit questions

Final comments

- Take the survey
- Join the LinkedIn Group – network and share ideas
- View HAIC webpages
- Save the date – the next HAIC event will take place - April 2021 - exact date/ time TBC (based off survey feedback)
- Invitations will be sent to group once programme is finalised

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www.dhi-scotland.com/innovation/innovation-clusters/healthy-ageing/

Join our digital health and care network

- Scan the QR code →

Or

- Enter:

www.dhi-scotland.com/join-our-network