

# Theme 4: Formal and informal ways of awareness creation, education, training in AAL for everyone

Session 2: Technology to assist better living – time to create awareness for both professionals and citizens alike



# Session 2 Chair

Professor Ron Summers  
Loughborough University, UK



# Agenda

- 2.1. Summary of Session 1 – Professor Ron Summers
- 2.2. Educating the professionals and users –  
Professor Birgit Vosseler, Dr. Maria Christiane Brockes
- 2.3. Creating an appropriate face-to-face programme and  
on-line marketplace - Tony Cornford and Ron Summers
- 2.4. Meeting legal and ethical requirements - Maggie Ellis
- 2.5. Panel discussion and interactive debate – All
- 2.6. Summary plan of identified issues and actions – All



# Important

The facts and information presented in this session were believed to be correct at the time of writing, however EKTG cannot be held responsible for the accuracy of the material presented.



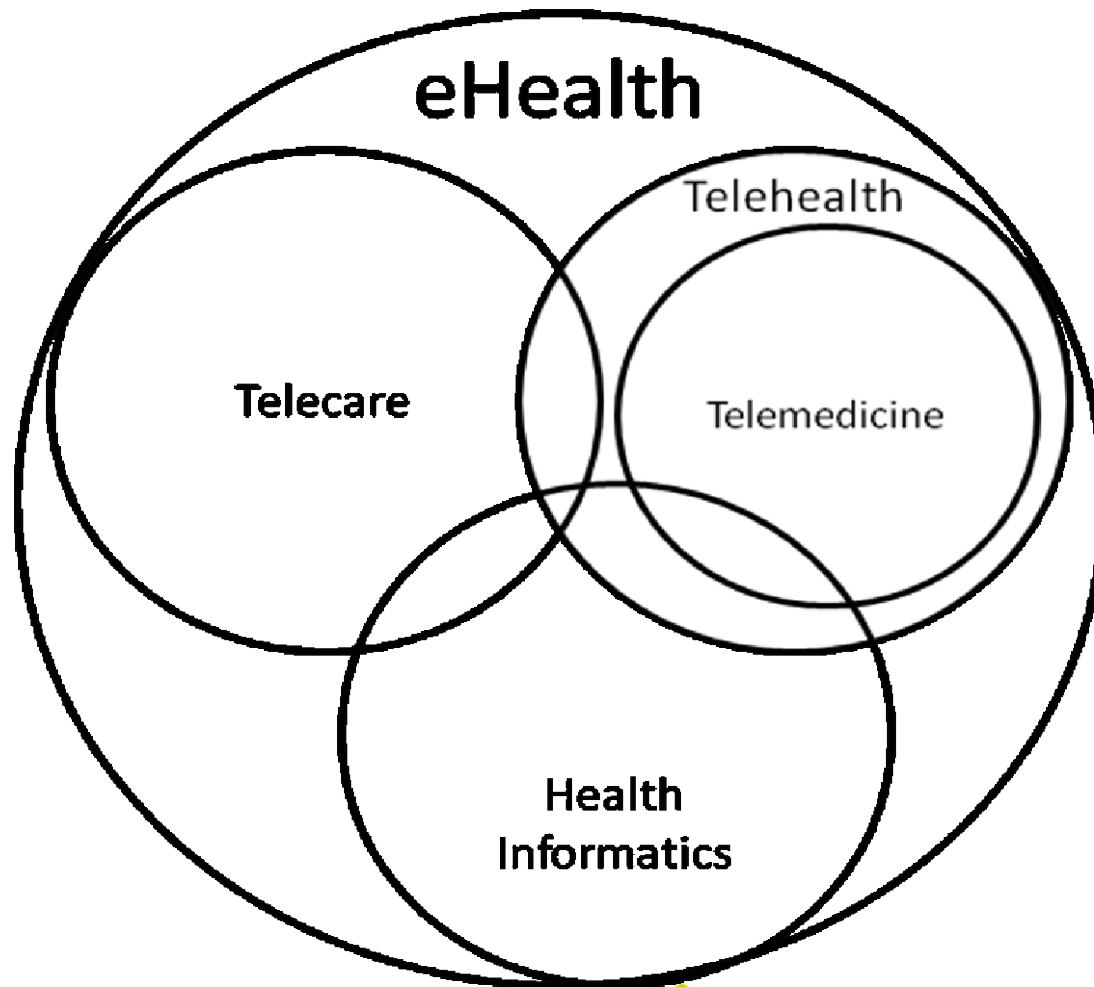
## 2.1 Summary of Session 1

Plan of identified issues and actions related to:

- Educating users and their families with respect to AAL technologies
- Creation of online and offline resources
- Creation of a sustainable business-consumer marketplace
- Meeting legal and ethical requirements



# EKTG Definition of eHealth: Including Assistive Living/mHealth



Evidence from EUROSTAT shows that the increasing percentage of older people in society means that there is also an increasing number of people with a disability.

EUROSTAT reports indicate that there is a strong correlation between age and disability:

- 32 % people aged 55-64 report a disability
- 44 % people aged 65-74 report a disability
- 60 % people aged 75-84 report a disability
- 70 % people aged 85+ report a disability



# Many positive examples of cost benefit using eHealth

Elective admission and risk of hospitalisation

Headline finding - WSD Newham model

- eHealth Service provided for 353 people at home
- Total gross saving - £597,940
- Total net saving - £162,826
- Based on £170 installation cost and £35/month i.e. £590 pa





## 2.2. Educating the professionals and users





# AAL Forum

***Prof. Dr. Birgit Vosseler, Director of Nursing***

***Dr. Paul De Raeve, EFN Secretary General***



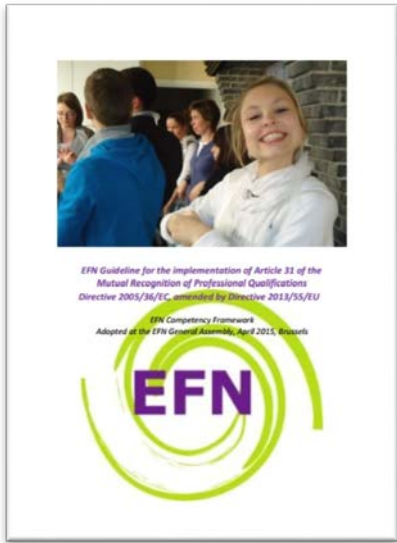


# MODERNISED DIRECTIVE 2013/55/EU

Shall be implemented  
in all MS on 18 January  
2016

↓ If not,

Infringements (previous  
cases for BE and LU)



EFN support for implementation:  
**EFN Competency Framework**



# 8 COMPETENCIES

## *Directive 2013/55/EU (Art.31)*

1. Independently diagnose, plan, organise and implement
2. Cooperate with other players from the health sector
3. Empower patients towards a healthy lifestyle & self-care
4. Independently initiate measures to save lives
5. Independently advise, instruct and support
6. Ensure the quality of nursing care
7. Communicate comprehensively and cooperate with members of other professions in the health sector
8. Analyse the quality of care





# eHealth & eSkills

Potential to provide **solutions** for dealing with the **societal challenges** such as: **ageing population** and **chronic diseases**.

Possible to shift the focus towards **person-centred care**, enhance **patient empowerment**, and to ensure **continuity of care** across **primary and secondary health and social care sectors**.

Report on “eSkills and Health workforce”

[http://ec.europa.eu/information\\_society/newsroom/cf/dae/document.cfm?action=display&doc\\_id=8061](http://ec.europa.eu/information_society/newsroom/cf/dae/document.cfm?action=display&doc_id=8061)



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**PD Dr. med. Christiane Brockes**  
**Leader Clinical Telemedicine**  
**University Hospital Zurich**

Medical Online Consultation Service for everyone

Consultation Services for patients with Heart Failure

LILA - long independent living assistant

Education “Clinical Telemedicine / eHealth” in the curriculum of medical students at the University of Zurich



## 2.3. Creating an appropriate face-to-face programme and on-line marketplace





# A Positive Intervention:

Supporting people in the adoption and use of AAL services

Dr Tony Cornford

Associate Professor of Information Systems,  
London School of Economics



# Programme of support

1. Part of a 'natural' process of adoption and normalization of AAL services achieved by incrementally building people's skills and competencies– not forcing an unnatural change or driving forward any specific 'project'
2. Drawing good practice from models found elsewhere
  - Digital changing in clinical contexts
  - Pensions advice and financial services
  - Professional CPD schemes
  - Leisure activities (sailing, diving, skiing, riding)
  - Domestic work (gas fitting, appliance maintenance)



# Programme of support

## 3. Design focus on:

Engagement and links with experience

Motivation for change

Acknowledgement of work involved

## 4. Modular structure offering paced progression; suitable for multiple audiences, delivered through multiple channels

## 5. Judged on

1) Credibility of content

2) Utility in practice

3) Wider Recognition



# Professor Ron Summers

Loughborough University, UK



## 2.3. Creating an appropriate face-to-face programme and on-line marketplace

- Existence of legacy E&T provision  
(Existing academic programmes throughout Europe)
- Stakeholder needs assessment  
(Identify stakeholders and their differing E&T needs)
- Agility and responsiveness of provision  
(Future provision is likely to be disruptive to current providers)
- Re-definition of the design cycle to include end-user (E&T)  
(More emphasis on industry to design in end-user training)
- Attainment of measures of impact for E&T interventions  
(Need to be able to measure effectiveness of E&T for quality audit and improvement)



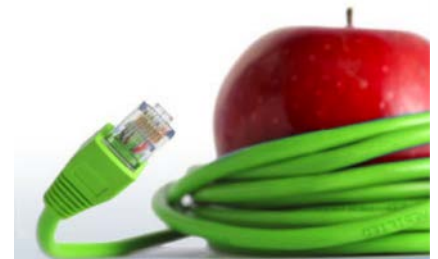
## 2.4. Meeting legal and ethical requirements



# Maggie Ellis

Lead Academic, Enterprises, LSE

Co-ordinator EKTG



# Checklist for legal and ethical

- Nuremberg Code
- EU Guidance for Applicants Informed Consent Directive 2001/20/EC
- Data Protection Action
- Health and safety
- Public liability
- Personal liability
- Employment contract and laws
- EU Medical Device Directive (EN60601) \
- Radio Equipment Directive (199/S/EC, 199/S/EC, 2014/53/Eu from June 2016 )
- EU General Product Safety Directive (GPSD 2004)
- Accessibility – new EU Mandate being reviewed





# Relevant US legislation

- US eAccessibility Section 508, (Rehabilitation Act Amendment 1998)
  - Covers access to federally funded programs and services
  - Requires access to electronic and information technology provided by the Federal government
  - Federal agencies must ensure that this technology is accessible to employees and members of the public with disabilities to the extent it does not pose an "undue burden."
- USA Government (1998), Congress amendment to Rehabilitation Act Section 508 (29 U.S.C. ' 794d)
  - Equality of access for disabled and non-disabled people when developing, procuring, maintaining, or using electronic and information technology



# Other



- EU Guidance for Applicants, Informed Consent Directive 2001/20/EC - Requirements for the conduct of clinical trials
- ISO Standard relating to personnel involved in Rehabilitation
- Secure agreement from the Information Commissioner Office to register for Data
- Intellectual Property Rights(IPR) - Private and Public; Confidential; Commercial and Non Commercial
  - [Info on IPR help Desk](#)



## New draft: Mandate M376

- European Accessibility requirements for public procurement of products and services in the ICT domain
- To give an incentive to the market and public organisations to take accessibility into consideration
- To give an incentive for manufacturers to develop and offer accessible products, applications and services
- EN 301 549, a standard giving a complete set of technical requirements for Accessibility of ICT products and services in Europe
  - Intended to give access to mainstream ICT for users with the widest range of characteristics and abilities
  - Minimising conflicts with existing accessibility requirement both in Europe and the Americas



# People who lack capacity

- The Mental Capacity Act (MCA) 2005 provides a statutory framework for people who may not be able to make their own decisions
  - People with learning difficulties, brain injury or mental health problems; dementia
- Sets out who can take decisions, in which situations, and how they should go about this. The Act applies to England and Wales only



# European websites

The website of the European Medicines Agency

- [http://www.ema.europa.eu/ema/index.jsp?curl=/pages/home/Home\\_Page.jsp&jsenabled=true](http://www.ema.europa.eu/ema/index.jsp?curl=/pages/home/Home_Page.jsp&jsenabled=true)

The website of the European Forum for Good Clinical Practice

- <http://www.efgcp.eu>

The website for the EudraCT application form

- <http://www.eudract.emea.eu.int>



## 2.5. Panel discussion and interactive debate



## 2.6. Summary plan of identified issues and actions for report

