

JOINT DEVELOPMENT & PRE-TESTING OF AAL SOLUTIONS FOR ELDERLY

ÉDER ÁKOS

23.11.2018 PINKAFELD

CONTENT



5. Involvement

AGE STRUCTURE OF EU

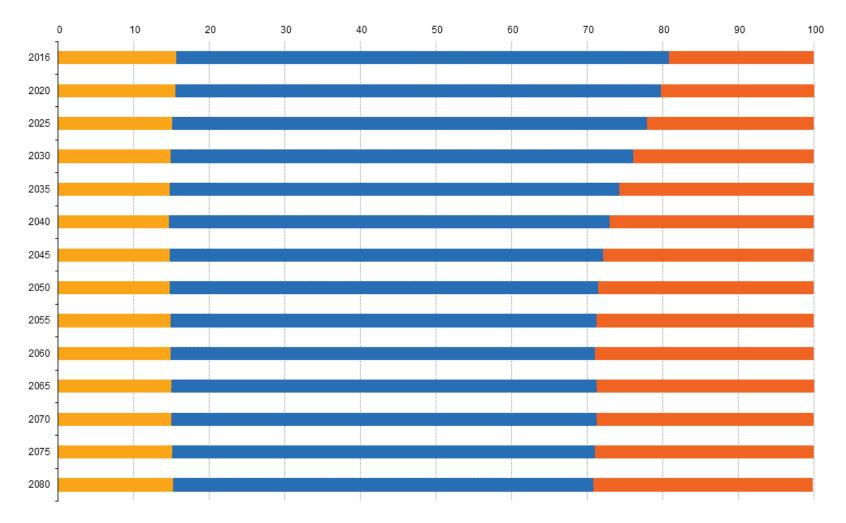
	0–14 years o	0–14 years old		15–64 years old		65 years old or over	
	2006	2016	2006	2016	2006	2016	
EU-28 (¹) (²)	16.0	15.6	67.1	65.3	16.8	19.2	
Belgium (1)	17.1	17.0	65.7	64.7	17.2	18.2	
Bulgaria	13.4	14.0	69.2	65.6	17.5	20.4	
Czech Republic	14.6	15.4	71.1	66.2	14.2	18.3	
Denmark	18.7	16.8	66.1	64.3	15.2	18.8	
Germany (1)	14.1	13.2	66.7	65.7	19.3	21.1	
Estonia (1)	15.0	16.1	68.1	64.9	16.9	19.0	
reland (1)	20.5	21.9	68.5	64.9	11.0	13.2	
Greece	14.9	14.4	66.6	64.3	18.5	21.3	
Spain	14.5	15.1	68.8	66.1	16.6	18.7	
France (1)	18.5	18.5	65.1	62.8	16.4	18.8	
Croatia (²)	15.8	14.6	66.7	66.2	17.5	19.2	
Italy	14.1	13.7	66.0	64.3	19.9	22.0	
Cyprus	19.4	16.4	68.5	68.4	12.2	15.1	
Latvia	14.5	15.2	68.5	65.1	17.0	19.6	
Lithuania	16.6	14.7	67.2	66.3	16.3	19.0	
Luxembourg (1)	18.4	16.5	67.5	69.3	14.1	14.2	
Hungary (1)	15.4	14.5	68.8	67.2	15.8	18.3	
Malta	17.1	14.2	69.1	66.7	13.8	19.0	
Nothorlands	19.2	16.5	67.5	65.3	14.3	10.2	
Austria	15.9	14.3	67.6	67.2	16.4	18.5	
Poland (*)	10.2	15.0	70.4	03.1	13.3	10.0	
Portugal	15.9	14.1	66.8	65.1	17.4	20.7	
Romania	16.9	15.5	68.4	67.0	14.7	17.4	
Slovenia (1)	14.1	14.8	70.3	66.7	15.6	18.4	
Slovakia	16.7	15.3	71.5	70.2	11.8	14.4	
Finland	17.3	16.3	66.8	63.2	16.0	20.5	
Sweden	17.3	17.4	65.4	62.8	17.3	19.8	
United Kingdom	18.0	17.7	66.1	64.4	15.9	17.9	
celand	21.8	20.0	66.5	66.1	11.7	13.9	
iechtenstein	17.4	14.9	71.1	68.6	11.6	16.5	
Norway	19.5	17.9	65.8	65.6	14.7	16.4	
Switzerland (1)	16.0	14.9	68.0	67.2	16.0	18.0	
Montenegro	20.4	18.3	66.8	67.6	12.8	14.1	
The former Yugoslav Republic of Macedonia (2)	19.5	16.7	69.4	70.3	11.1	13.0	
Albania	25.7	17.7	65.7	69.5	8.6	12.9	
Serbia (')	15.7	14.4	67.1	66.6	17.2	19.0	
Turkey	27.0	24.0	66.3	67.7	6.7	8.2	

(1) Break in time series in various years between 2006 and 2016

(²) The population of unknown age is redistributed for calculating the age structure.

Source: Eurostat (online data code: demo_pjanind)

AGE STRUCTRUE - FORECAST



Children (0-14 years) Working-age population (15-64 years) Elderly (65 years and over)

Note: 2016, estimates. 2020-2080: projections. Source: Eurostat (online data codes: demo_pjanbroad and proj_15ndbims)

SILVER ECONOMY

" The European Silver Economy is the part of the economy that concerns Europe's older citizens. It includes all the economic activities relevant to the needs of older adults, and the impact on many sectors."

Source: http://www.smartsilvereconomy.eu/silver-economy

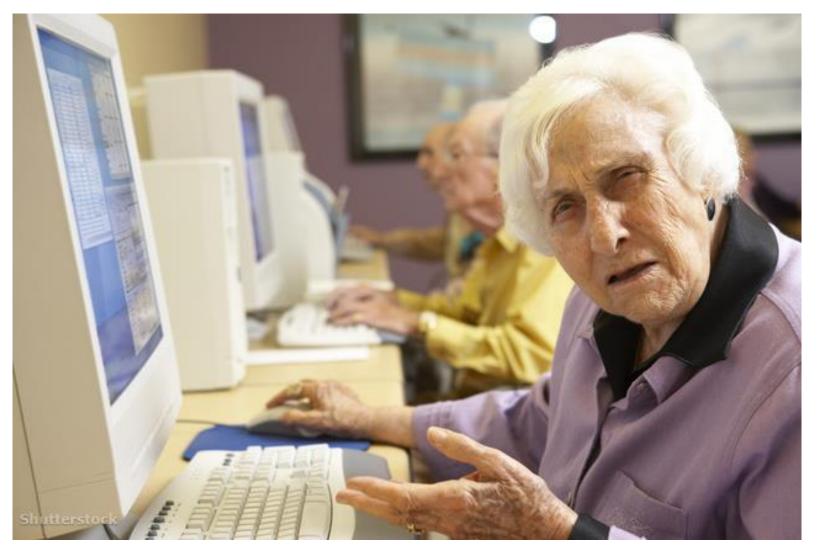
Constantly growing market with massive potential



POTENTIAL MARKET SIZE FOR AAL SOLUTIONS

	2018	2020	2030	2050
Total EU population	513 154 880	515 591 288	523 827 302	528 567 808
Population above 65+ (in %)	18	21	24	28
Population above 65 years	92 367 878	108 274 170	125 718 552	147 998 986
average of dementia above 60+ (in %)	6,5	6,5	6,5	6,5
Population with dementia	6 003 912	7 037 821	8 171 706	9 619 934
Population for prevention	86 363 966	101 236 349	117 546 847	138 379 052
Population Romania	19 493 068	19 259 049	18 023 954	16 331 359
Population above 65 years	3 508 752	4 044 400	4 325 749	4 572 781
Population with dementia	228 069	262 886	281 174	297 231
Population for prevention	3 280 683	3 781 514	4 044 575	4 275 550
Population Italy	60 755 703	60 718 572	60 350 475	58 968 137
Population above 65 years	10 936 027	12 750 900	14 484 114	16 511 078
Population with dementia	710 842	828 809	941 467	1 073 220
Population for prevention	10 225 185	11 922 092	13 542 647	15 437 858
Population Hungary	9 805 952	9 789 630	9 665 170	9 287 196
Population above 65 years	1 765 071	2 055 822	2 319 641	2 600 415
Population with dementia	114 730	133 628	150 777	169 027
Population for prevention	1 650 342	1 922 194	2 168 864	2 431 388
Market size total in project				
countries	15 156 210	17 625 800	19 756 086	22 144 796

WHAT ARE THE PROJECTS ABOUT?



AAL PROJECTS 2015-2019

FAIRCARE * Platform for elderly support services

COME

Online platform for healthcare self management



Brain fitness with online games in virtual environment



Live streaming of cultural events







- 1. Watching cultural events via internet, live
- 2. Local, national and international events
- 3. Ensuring content for various customer needs
- 4. Making own content available



Goal:

- Live streaming:
 - any cultural event
 - Theaters
 - Rural cultural events







The main idea of the STAGE project is to allow elderly people easier and better online access to live cultural events (theatre plays, concerts, opera performance, museum exhibits). STAGE overcomes some health, economical, infrastructural, mobility barriers and accessibility difficulties, and lets elderly people increase their social participation level by enjoying culture from the comfort of their homes.

STAGE is a European research project within the Active and Assisted Living Programme, under Call Challenge 2015 "Living actively and independently at home. Support more older adults to live longer in their homes with the contribution of ICT based solutions".

The project started in March 2016 and will continue until August 2018.



Latest news

STAGE at HCI International 2017



http://www.stage-aal.eu/







- Prevention of Mild Cognitive Impairment (MCI)
- Online measuring of MCI for elderly
- Monitoring the physical status with smart tools (Smartphone, smart watch, etc.)
- Setting up individual activity/rehabilitation plans

http://www.come-aal.eu

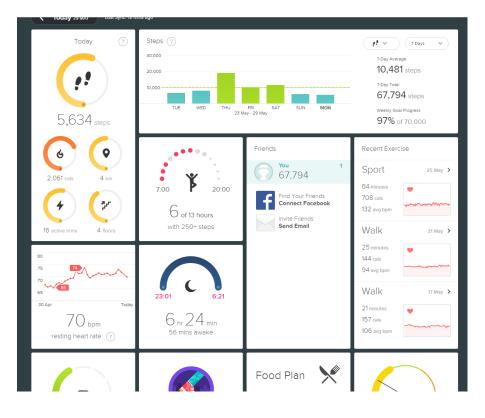
COME

http://come-aal.eu/

Goal:

- Platform for monitoring health status
- Involvement of formal and informal caregivers.
- Individual setting of new goals







Main goal:

Creating an online platform for elderly users with any kind of information request in a form of social franchise.

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FAIRCARE Operated by "Freiwillige Retrung Innsbruck"						
	Home Registrieren Anmelden					
"Mit FairCare können Sie Ihre Pflege und Komfort Dienstleistungen in Innsbruck organisieren." REGISTRIER® ANMELDEN						
Suchen nach Pflege und Komfort Leistungen in Geben Sie fine Finge oder Schlegwörter ein, um nach Dienstleistungen zu suchen Stückten	Präferenzen Textgrösse anpassen 👘 🏝 🔺 Kontrast anpassen 🐔 🔺 🔺					
Pflege- und Komfortdienstleistungen in Innsbruck anzeigen Artenheime UND SONSTOR ENRECHTUNGEN AMBULANTER DENST BERATUNISSSTELLE PRANZELLE HLIZE UND RECHTSBRATUNIO HLIZE: HLIZESSTEME MOBILE PRIEGE NAHEN, AUGESSERN, BUGELN NAHEN, AUGESSERN, SALE	Hilfe Bei Fragen zu FairCare Innsbruck, kontaktieren Sie bitte die Service Nummer der ZHAVU. Unsere Mitarbeiter freuen sich, Ihnen zu helfen.					
Finden Sie heraus was FairCare Innsbruck für Sie tun kann	Video Wenn Sie gerne mehr über das Suchen und Finden von Komfort & Pflege Dienstleistungen erfahren möchten,					



- 1. Matchmaking of services in elderly care
- 2. Online platform with available information on social- and health care services with direct contact to providers.
- 3. Coordination of professional services, voluntary work, and the involvement of informal caregivers.
- 4. Ensuring high quality services.

http://www.fair-care.eu/

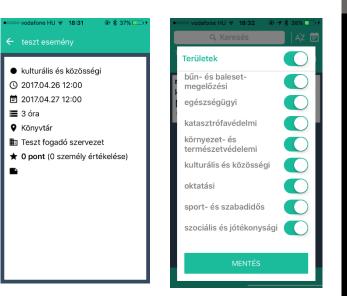
Hungarian pilot:

Smart phone application for secondary school students for doing voluntary work



http://www.kossz.hu







- Constant brain training for elderly users
- In every 3 months, 3 times

 a week training result
 analysis with clinical
 experts
- Constantly renewed and new games with virtual environment elements
- International professional consortium for evaluating the results







http://brainathome-aal.com/



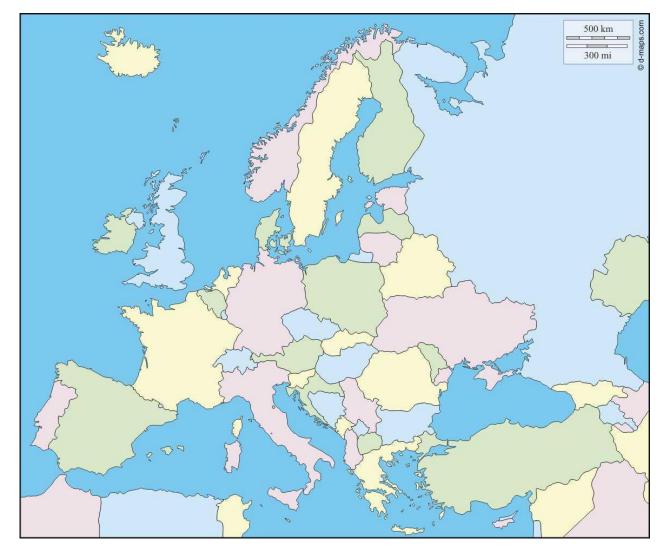
Goal:

- Games in virtual environment
- Keeping the mind fit
- Clinical background of pschyatry experts.





TESTING COUNTRIES



- Cyprus
- Italy
- Hungary
- Romania
- Spain
- Nethelands
- Austria
- Switzerland

Source: https://ourworldmaps.club/european-countries-map/european-countries-map-unique-europe-free-map-free-blank-map-free-outline-map-free-base-map/

INVOLVED TARGET GROUPS

- PRIMARY END USERS

- Healthy elderly above 60 years (Brain@Home)
- Elderly with MCI above 65 years of age (CoME)
- All elderly above the age of 65 (Stage, FairCare)
- Informal caregivers
- Formal caregivers
- Supporting organisations

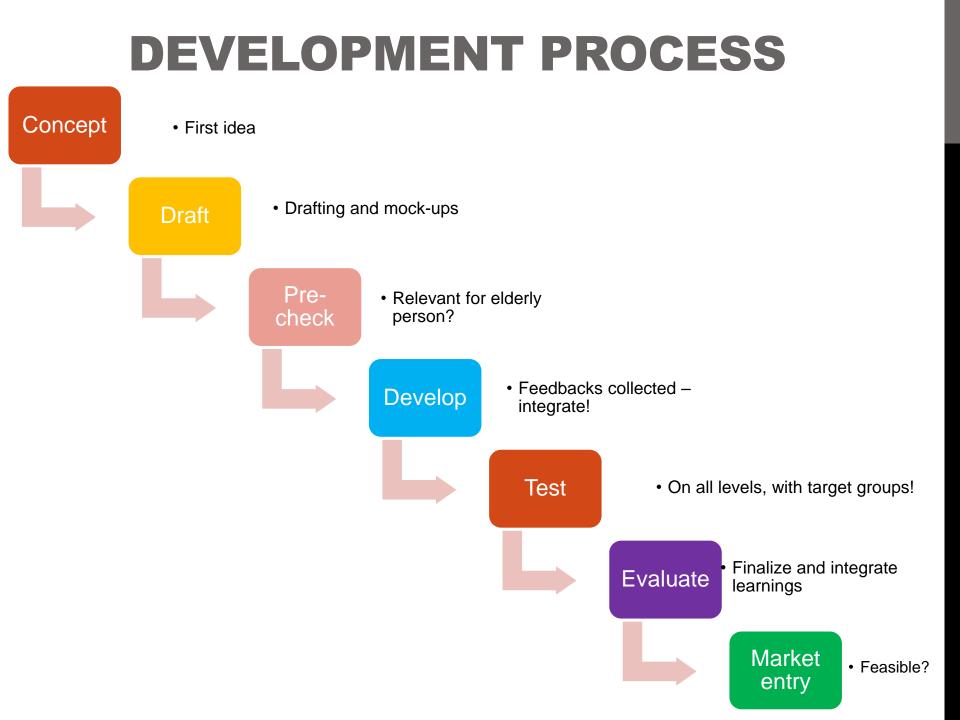


INVOLVED OLDER ADULTS

In all projects:

- Total target for testings:
 - 550 Elderly users
 - Total for Hungary
 - 120 Elderly users
 - Approached in Total: 5-6 Thousand!





APPROACHING ELDERLY











FINDINGS ON APPROACHING

Attracting attention:

- ✓ Personal meetings
- ✓ Visits to senior clubs, associations

Invitation to testing

- ✓ Motivating environment
- ✓ Personalized contact
- ✓ Clearly identified goals and aims



KEEPING MOTIVATION



Exchange of experience

Joint Workshops





Refreshing meetings



CONSTANT Personal contact

Thank you for your attention!

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