



New member

MOST

Ministry of Science & Technology of Taiwan



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TAIPEI (Taiwan News) - Taiwan will be a super-aged society by 2026

By 2026, Taiwan will become a super-aged society where at least 20 percent of the population are 65 or older, the National Development Council said Tuesday. ... The island's total population figure would start to decline before it reached 24 million, according to the report. 2019年2月12日

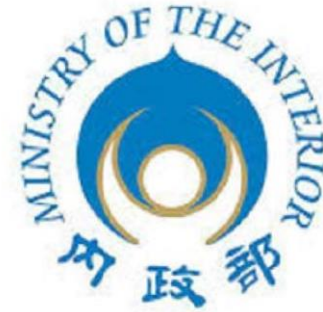


14.05% percent of the population are 65 or older in 2018.

From aged society to super-aged society, it takes 40 years on the average.

Taiwan takes less than 10 years.

My Father is 94 and my Mother is 92 Now!

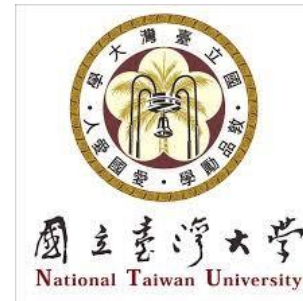


All governments are taking serious.....

The society cares.....Ministry of Science, Ministry of Health and Welfare...

The Industries, science parks, pump money into

Research Institutes and Universities, and Hospital....



2019年高齡化社會論壇 2019 AmCham Taipei Healthy Aging Forum



MOST's experience in participating in the H2020 programme

There are 36 topics of H2020 programme in which Taiwan successfully participated (according to the statistics of the European Union Cordis website on June 20th, 2019). Out of those topics, 5 are of ERA.NET Cofund Scheme which is a type of public-public partnerships of the MOST cooperation with EU states. *So we have experience working with the EU states and managing programmes together.* The 5 topics are **M-ERA.NET** (nanomaterials), **ENM III** (nanomedicine), **ERA-CVD** (cardiovascular disease research), **TRANSCAN-2** (translational cancer research) and **WaterWork 2015** (water resources research). With its wide contacts and experience in running Science

MOST's research & innovation activities in AAL-related areas

The MOST has been promoting research & innovation activities in AAL-related areas, such as the “Assistive Technology Development (ATD)” programme, which is based on national policies including "expansion of smart tool applications, promotion of a model environment for integrated healthy living" and "integration of assistive technology service resources and provision of multiple care services” in 2014.

1. The ATD programme addresses the needs for care of elderly people who suffer from such maladies as strokes, dementia, Parkinson's disease, and other challenging conditions. The programme also assists the elderly in many areas of their lives.
2. The ATD programme especially highlights R&D of innovative assistive technologies which can be applied in helping the elderly, who are in self-care, disabled, or bedridden to have a happy life and stay socially active.
3. The ATD programme also stimulates R&D of the improved innovative assistive technologies with industrial commodity value. The applicants of the programme are supposed to analyze the existing products to see what problems and challenges they might have. Additionally, the applicants are expected to propose their possible solutions to these issues. The products of the improved innovative assistive technologies can enhance the care quality and benefit caregivers.

The 4 key research topics of the ATD programme are as follows:

1. *Service systems for smart care*: to develop innovative care solutions such as management services to enhance the ease of use and effectiveness.
2. *Assistive technology for smart life*: to improve existing products such as care and accompanying robots to enhance the quality of care and safety.
3. *Assistive technology for smart mobility (for the disabled)*: to improve existing products such as lower limb rehabilitation equipment to increase the quality of life and health of caregivers.
4. *Communication systems for smart care (for family members or healthcare workers, caregivers)*: to develop innovative life care products, to maintain high standards of care and safety for caregivers, and also reduce the risk of injury.

1.12 AAL PARTNER STATES PARTICIPATION

AAL Partner State	Commitments for Call 2020	Funding collaborative projects	Funding small collaborative projects
Taiwan	200.000 €	yes	yes

[Ministry of Science and Technology (Taiwan)] allocate up to:

- **[200.000 €]** to the AAL Programme 2020 Call for proposals, which topic is “HEALTHY AGEING WITH THE SUPPORT OF DIGITAL SOLUTIONS” and INTEND to fund Small Collaborative Projects;

Type of activities and funding percentage to the beneficiaries.

Type of Organisation	<i>Beneficiaries: Colleges and Universities/ Research Institutions/ Medical Institutions</i>	
Type of activity	Percentage of the MOST subsidy to the above beneficiaries	Percentage of Industry / Business Sectors in-kind subsidy to the above beneficiaries
Pure basic research	100%	-
Oriented basic research		
Applied research		
Experimental development		
Academia-Industry Collaboration (AIC)	Up to 80-90%	At least 10-20%

Funding will be provided mainly in support of collaboration activities and of local research necessary for the collaboration. A valid project application consists of required materials submitted from both sides. Taiwanese applicants shall submit proposals online at the MOST web-page. An extra allowance for Taiwanese PI will be granted by the MOST once the project is approved.

Maximum Funding 100.000 €/year??

Eligible Applicants:

Taiwanese applicants shall be principal investigators conducting MOST research projects (academia-industry collaboration research projects and MOST planned-and-promoted projects excluded).

計畫名稱	申請開始日	申請截止日	公告網站
心血管疾病計畫 (EAR-CVD)	2020.01.14	2020.04.02 17:00 (CET)	https://www.era-cvd.eu/
智慧健康長照計畫 (AAL)	2020.02.03	2020.05.22 17:00 (CET)	http://www.aal-europe.eu/
水資源汙染物計畫 (AquaticPollutants)	2020.02.17	2020.04.16	<ul style="list-style-type: none"> · Water : http://www.waterjpi.eu/ · Oceans : http://jpi-oceans.eu/ · Antimicrobial Resistance (AMR) : https://www.jpiamr.eu/

Cases study in Taiwan for the aging society.

Digital Tech in Ageing Well in Taiwan from Medical Device Innovation Center, NCKU

- ❑ Taiwan LTC plan 2.0 in community and aging in place.
- ❑ Challenges with locations, facility, professional ... etc.
 - To enhance physical health and cognition using Assistive Tech.
 - AI and ICT tech provide solutions for professional care and instructions.

An service model in Yujing, a rural area

Thank You for Your Attention!!

AAL-Taiwan