



香港耆康老人福利會
The Hong Kong Society for the Aged

Ms Maggie Leung, Executive Director

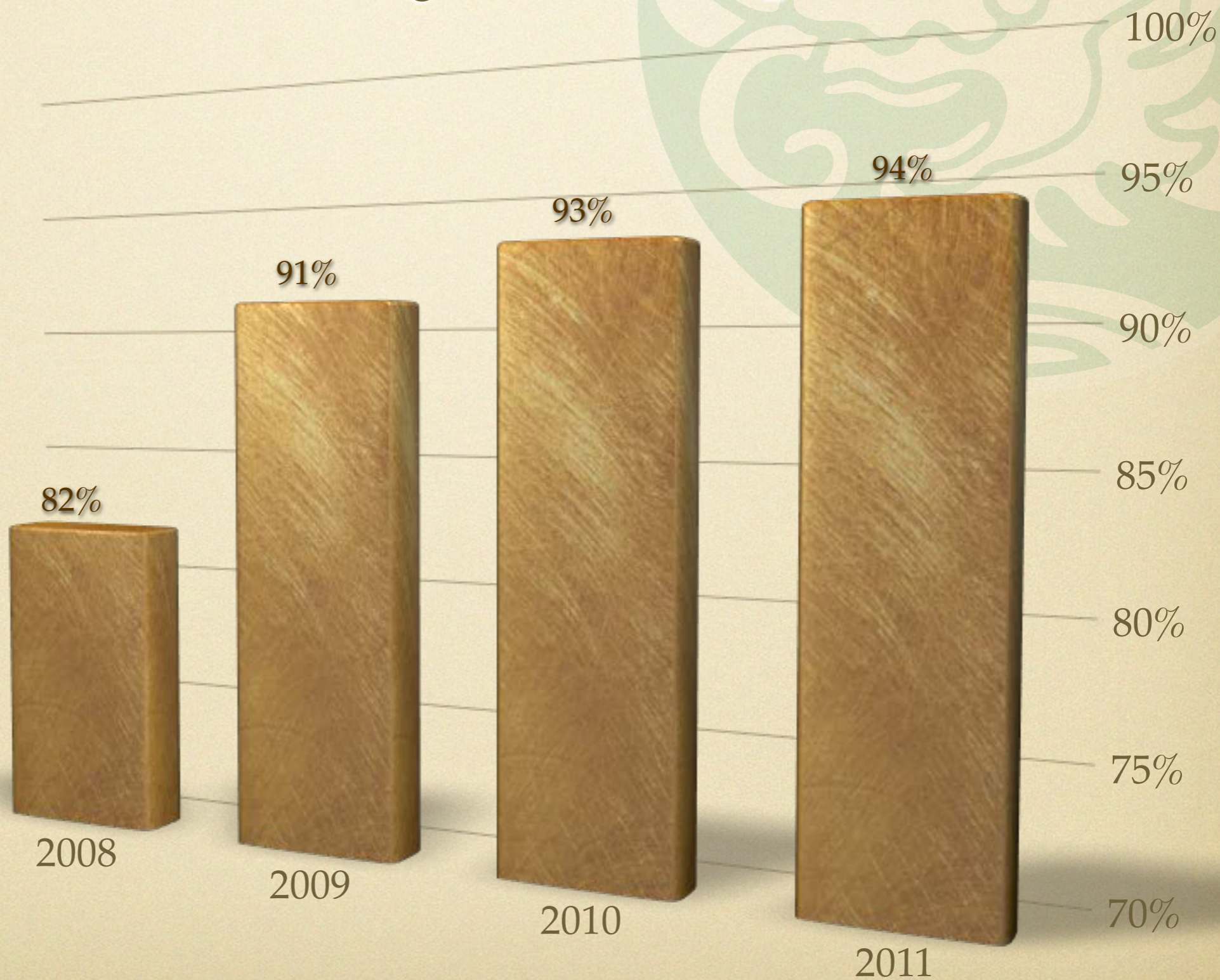
「足不出戶」樂遊新天地

Smart Use of ICT for Frail Elderly

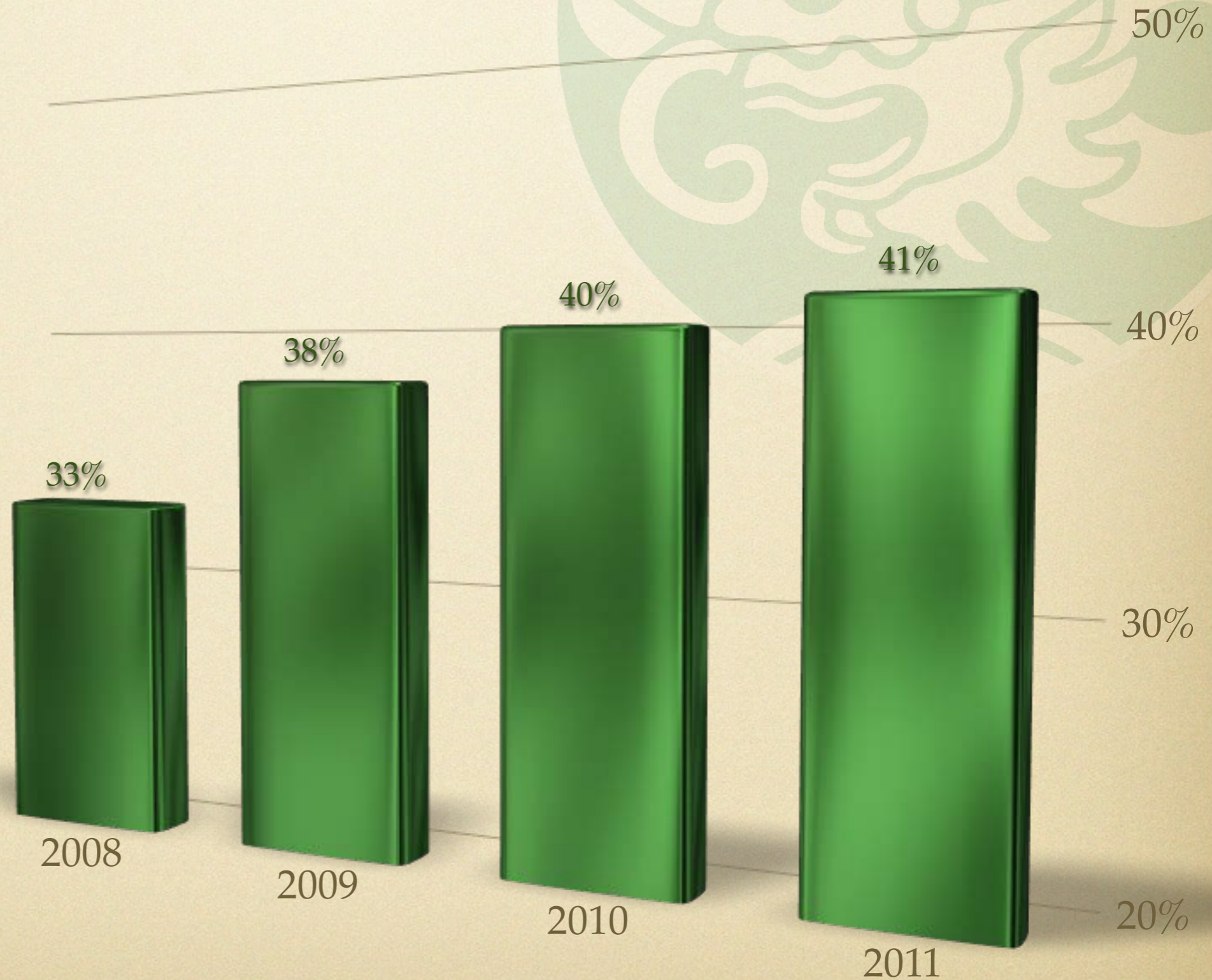


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Percentage of Residents with Moderate to Severe Level of Physical Impairments



Percentage of Residents with Cognitive Impairments





What is the Quality of Life for the aged?



What is the Quality of Life for the aged?

Project Objectives



Through the use of ICT **specially adapted** for elderly with **different levels** of frailty & cognitive impairments

- To **utilize the advantages of ICT** in rehabilitation processes
- To increase the **accessibility and motivation of rehabilitative training**
- To achieve **digital inclusion**
- To enhance their **quality of lives**

Smart Use of ICT

- Tablets



- Apps



- Touchable computers



- Kinect

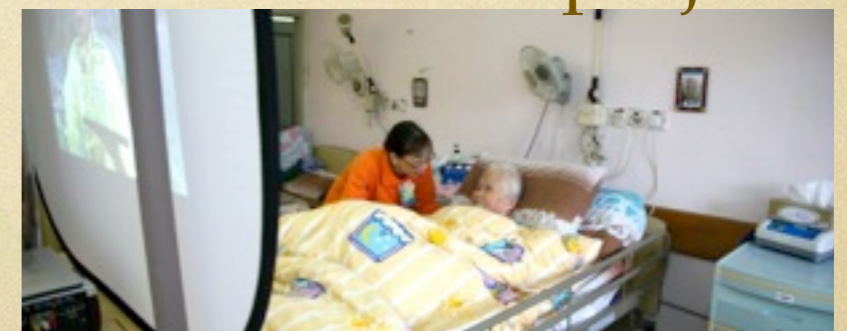


ICT Media

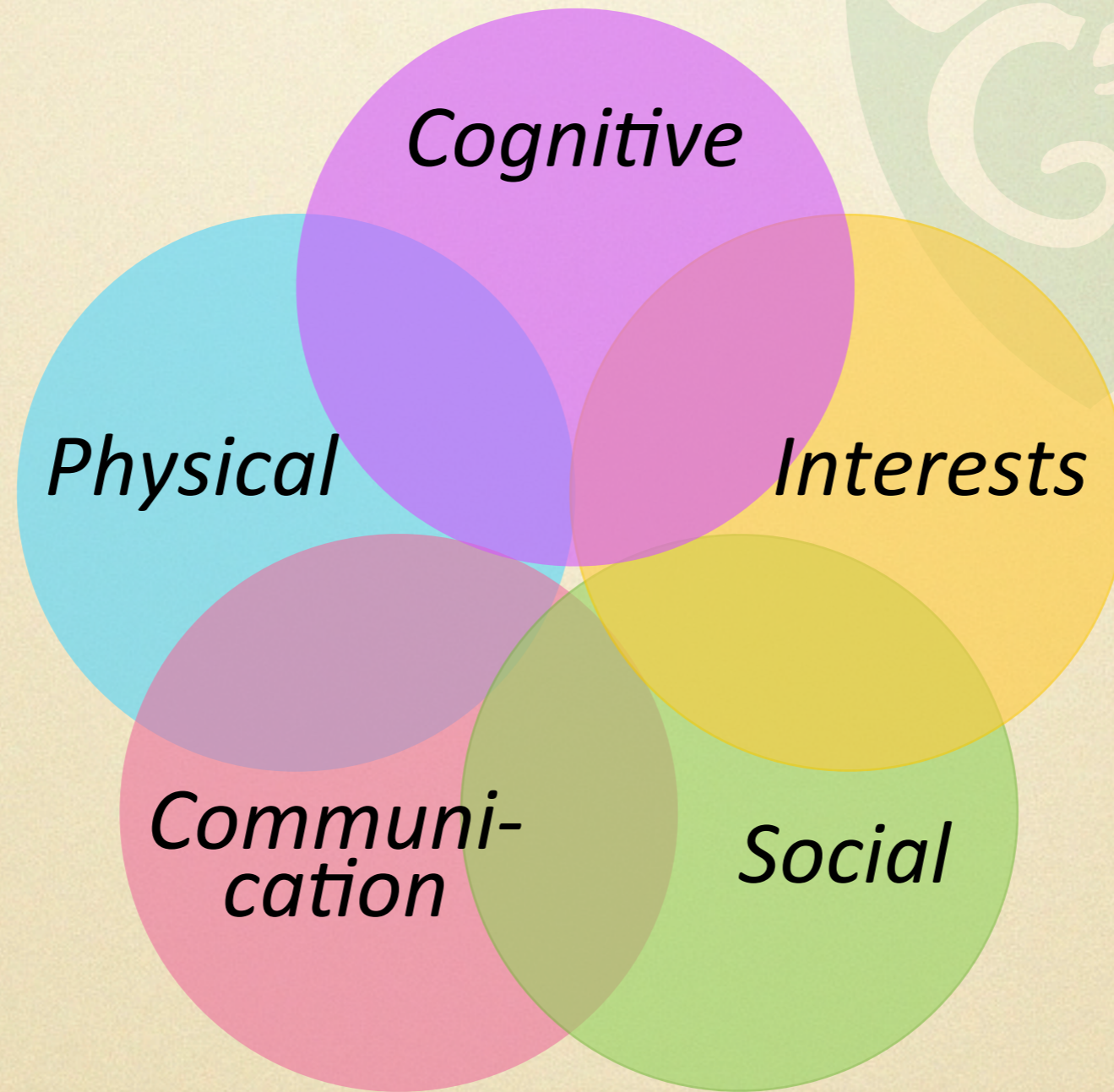
- Large touchable TV



- Short-throw projector



Project Achievements



Project Achievements

Physical



Touchscreen TV for independent walker

Touchscreen TV for wheelchair user



Project Achievements

Standing exercise with Kinect inspirations

Physical



Project Achievements

Cognitive



Memory - Matching



Shape matching - Puzzle

Project Achievements

Cognitive



Enlarged Pointer, Tablet Rack

Project Achievements

Cognitive

Orientation group with Street-view function

Google

google map



登入



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Project Achievements

Cognitive

The screenshot shows the AirPano.com website interface. At the top, there is a navigation bar with links for World Map, Seven World Wonders, All Panoramas, Top 10, Help Us, Vote, and Subscribe. A search bar and flags for Russian and UK are also present. Below the navigation bar is a large banner image featuring a helicopter flying over a city, with the AirPano logo and '360° AERIAL PANORAMA GALLERY' text. A secondary navigation bar lists categories: Aerial 3D Panoramas, 360 Video, Photogallery, News, Guest Book, AirPano Project, FAQ, Articles, and Contact.

The main content area is titled 'AirPano.com • 360° Aerial Panorama • 3D Virtual Tours Around the World'. It includes a brief description of the project and a list of featured content. The list includes:

- Santorini (Thira), Oia, Greece**: A 360° aerial panorama of the island at night. Description: 'There is no time, no rush. Eyes are resting, slowly moving along wonderful, as if carefully picked by an artist, details: the rhythm of blue-and-white stairs, a black cat napping on a white parapet. Everything has its special charm. This is an amazing island, capable of filling up not only view finders of your camera, but your entire soul...' Statistics: 19 Comments, 31 592 Total Views, 285 Recommendations.
- 360 video, Plosky Tolbachik Volcano, Kamchatka, Russia, 2012**: A 360° video of a helicopter flying over a volcanic eruption. Description: 'Now we would like to show the unique 360 video of the Plosky Tolbachik volcano eruption, Kamchatka, Russia which has been taken in December 2012...' Statistics: 13 Comments, 89 069 Total Views, 653 Recommendations.
- Underwater Orda Cave**: A 360° underwater video of divers in a cave. Description: 'Underwater caves are considered the hardest subject of underwater photography. Overhead environment, inability to surface when you need to, underwater narrows, you have to squeeze through, and complete darkness - here are just a few difficulties that one faces in cave diving...' Statistics: 25 Comments, 132 940 Total Views, 444 Recommendations.

www.airpano.ru

Project Achievements

Cognitive

Virtual World Tour



Project Achievements

Cognitive



Sensory stimulations

Project Achievements

Cognitive

Bedside projector for bed-bound elderly



Project Achievements

Cognitive

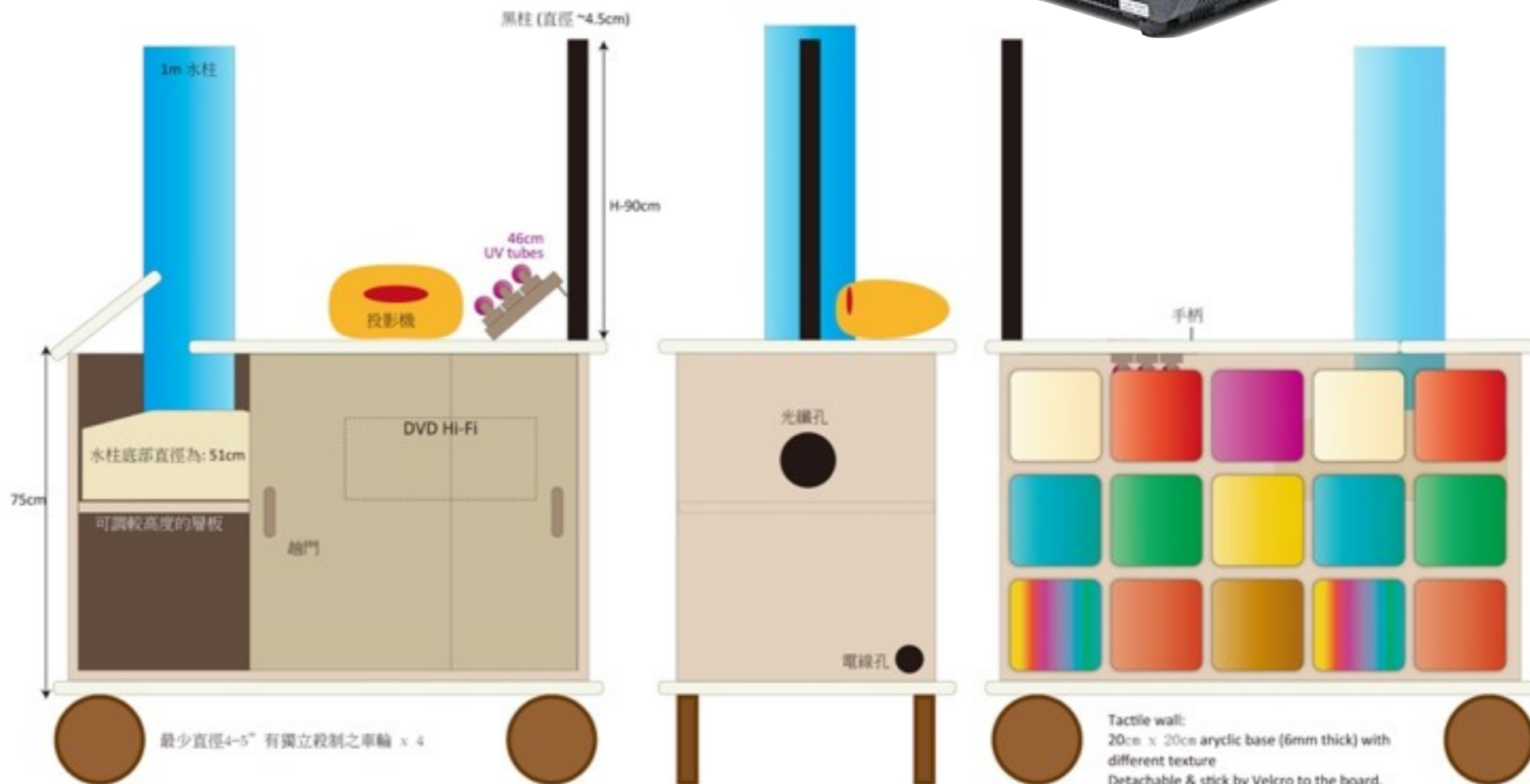
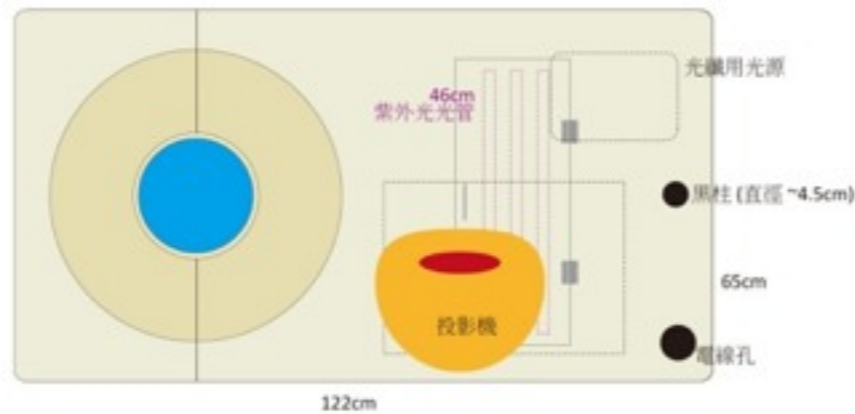


Ceiling Theater

Project Achievements

Cognitive

Snoezelen Mobile



Project Achievements

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Snoezelen Mobile

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Pro



Ceiling Theater

ents
Cognitive

Project Achievements

Interests

Chinese Chess

Chinese Calligraphy



Mahjong

Games for fun



Movie Enjoyment



Project Achievements

*Communi-
cation*

Social



Video conferencing

「足不出戶」樂遊新天地

Smart Use of ICT for Frail Elderly



Adaptations & Facilitations



Standing exercise with fun

Adaptations & Facilitations



Adapted pointers



Tablet Rack



Adaptations & Facilitations

Big Screens : Bedside Projector & Big Monitor



Adaptations & Facilitations

Digitized Media



Output



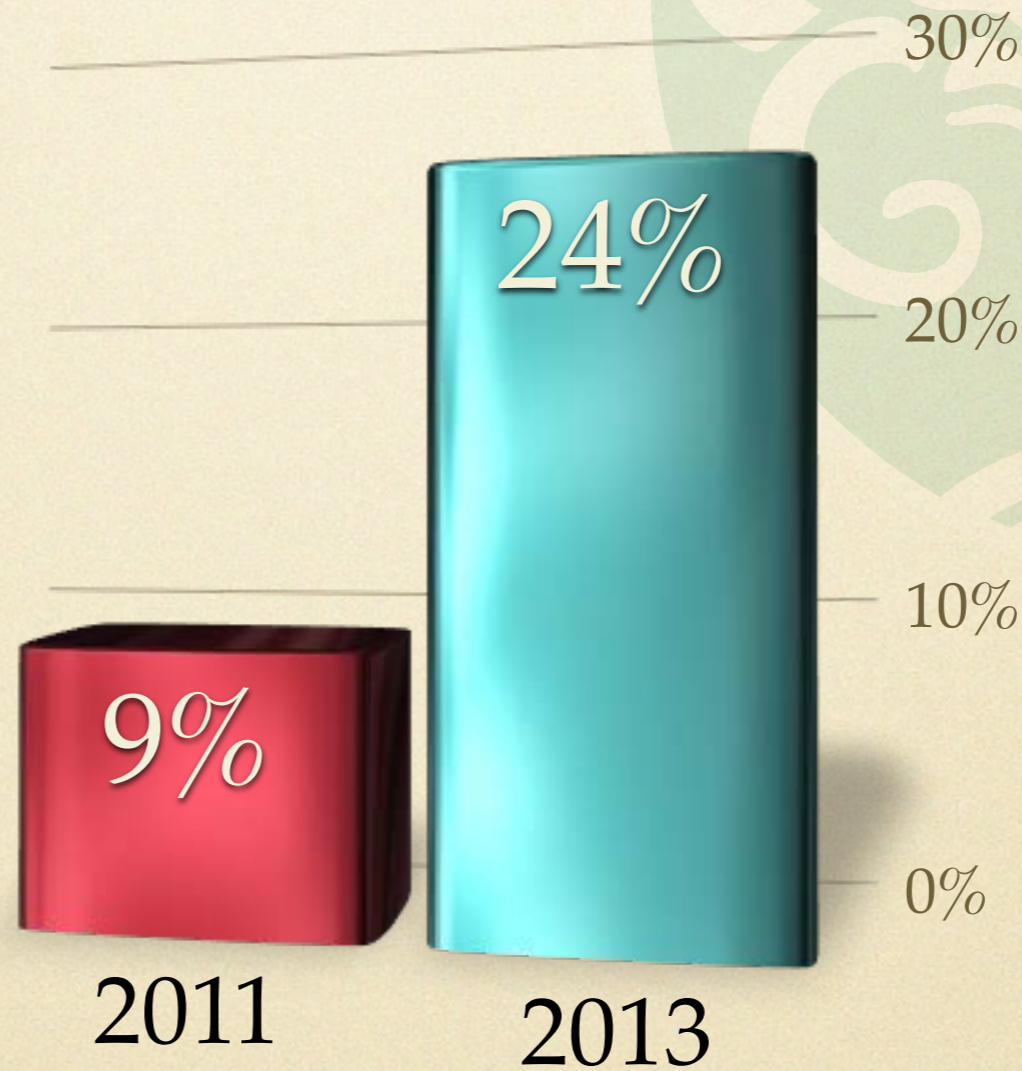
400 service hours

6,900 attendance

Participation in ICT

Outcome

↑ 15%



% of time in
+ve mood & enagement

Data drawn from direct observation - Dementia Care Mapping

Societal Impacts

- Promote “Quality of Life” for the most frail and deprived group through the smart use of ICT
- Make digital inclusion come true
- Change people’s belief



Future Development



Generalization



Development of aged-friendly mobile apps



Public education



Thank you