

Central Baltic Sea region INTERREG IV co-operation programme Project "Innovative solutions for elder people home care introduction research results"

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innocare

CENTRAL BALTIC
INTERREG IV A
PROGRAMME
2007–2013

EUROPEAN UNION
EUROPEAN REGIONAL DEVELOPMENT FUND
INVESTING IN YOUR FUTURE



- P.Stradins Medical College of the University of Latvia joined the Project of the Central Baltic Sea Region Interreg IVA co-operation programme „Innocare” – introduction of innovative solutions at home care on 2011
- The Project was carried out from November 2011 till 2014



Collaboration partners of the project „INNOCARE” :

- Tallinn University Rakvere College
- Lääne-Viru College
- Rakvere City Government
- P.Stradins Medical College of the University of Latvia
- Cesis municipal agency "Social service"
- Ape Are Council
- Nacka municipality

In the **first stage** of the study research team from P. Stradins Medical College of the University of Latvia realizes survey about the possible risk factors influencing safety of elderly during their daily activities.

Survey ascertains needs of elderly and their willingness to use innovative products and services in their daily life, as well as identifies accessibility of latest technologies and products, readiness of local authorities to introduce innovative technologies in life.

In the **second stage** of the study was prepared study program containing 8 training theme modules

introduction in nursing, social security and social legislation, social care support in crisis situations, communication psychology working with “Home Care” clients, importance of gerontology working with elderly, social work with disabled persons, basics of health and first aid.

Training improves knowledge and skills of carers and client family members about the latest technologies in service “Home Care”.

In the **third stage** of the study was performed analyze and provided evaluation about the standpoints of clients, carers and local authority employees about the usage of services and products in practice, as well as compared research data before (research was performed in 2011/2012) and after introduction of the latest innovative technological solutions in service “Home Care”.

Characterization of respondents from **Cēsis and Apes region**

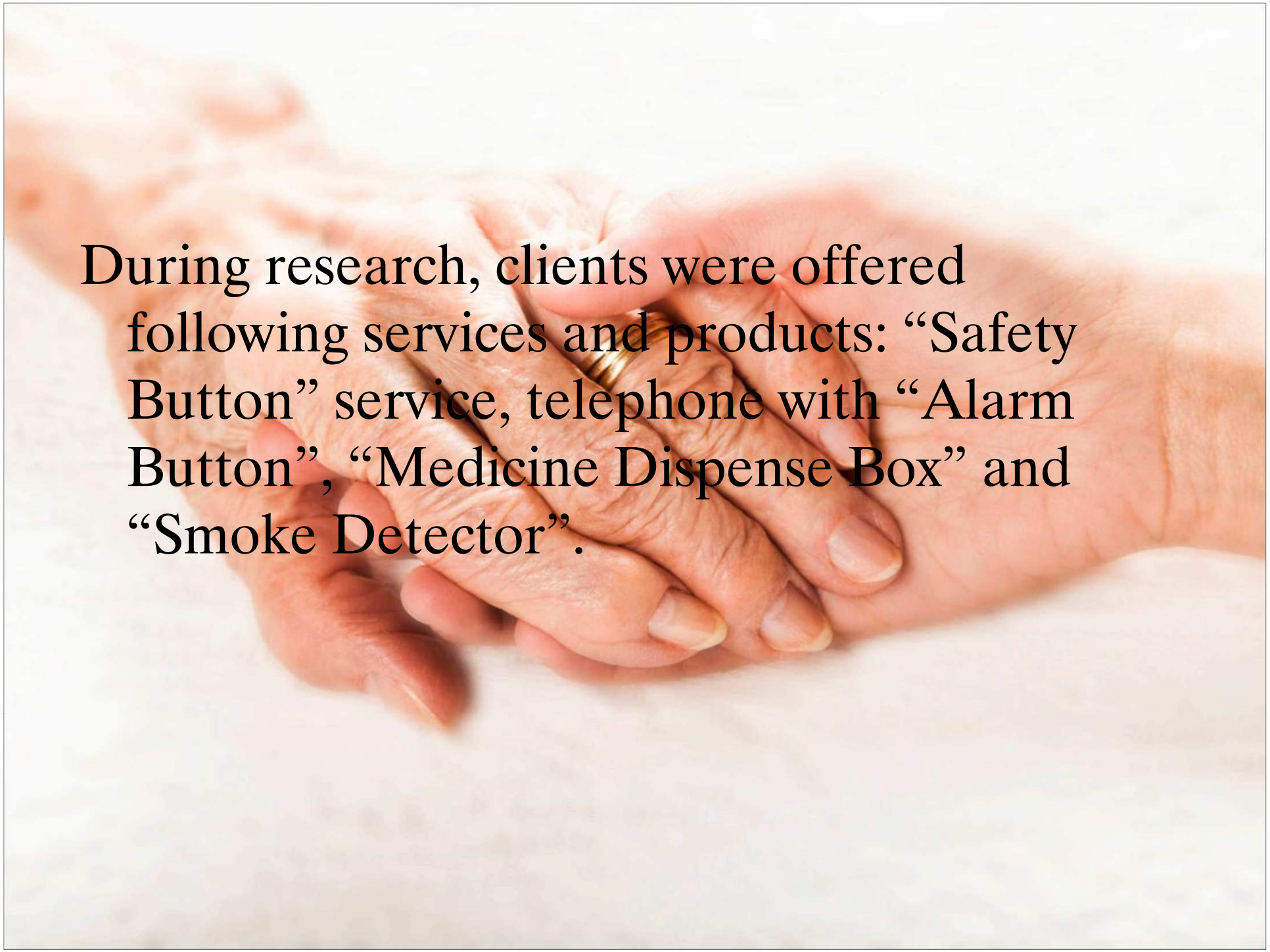
In inquiry were involved members (officers) from Cēsu and Apes local authorities, "Home Care" clients and social care workers.

36 respondents were from **Cēsu** local authority (28 clients, 4 carers, 4 members from local authority).

In **Apes** local authority were involved 45 respondents (36 clients, 5 care takers and 4 members from local authority).



- **Overview of technological solutions available in home care for elderly people in Latvia**



During research, clients were offered following services and products: “Safety Button” service, telephone with “Alarm Button”, “Medicine Dispense Box” and “Smoke Detector”.

Alarm button service







Telephone with the alarm button Orbita telecom



Smoke detector



Electronic medication dispensing box





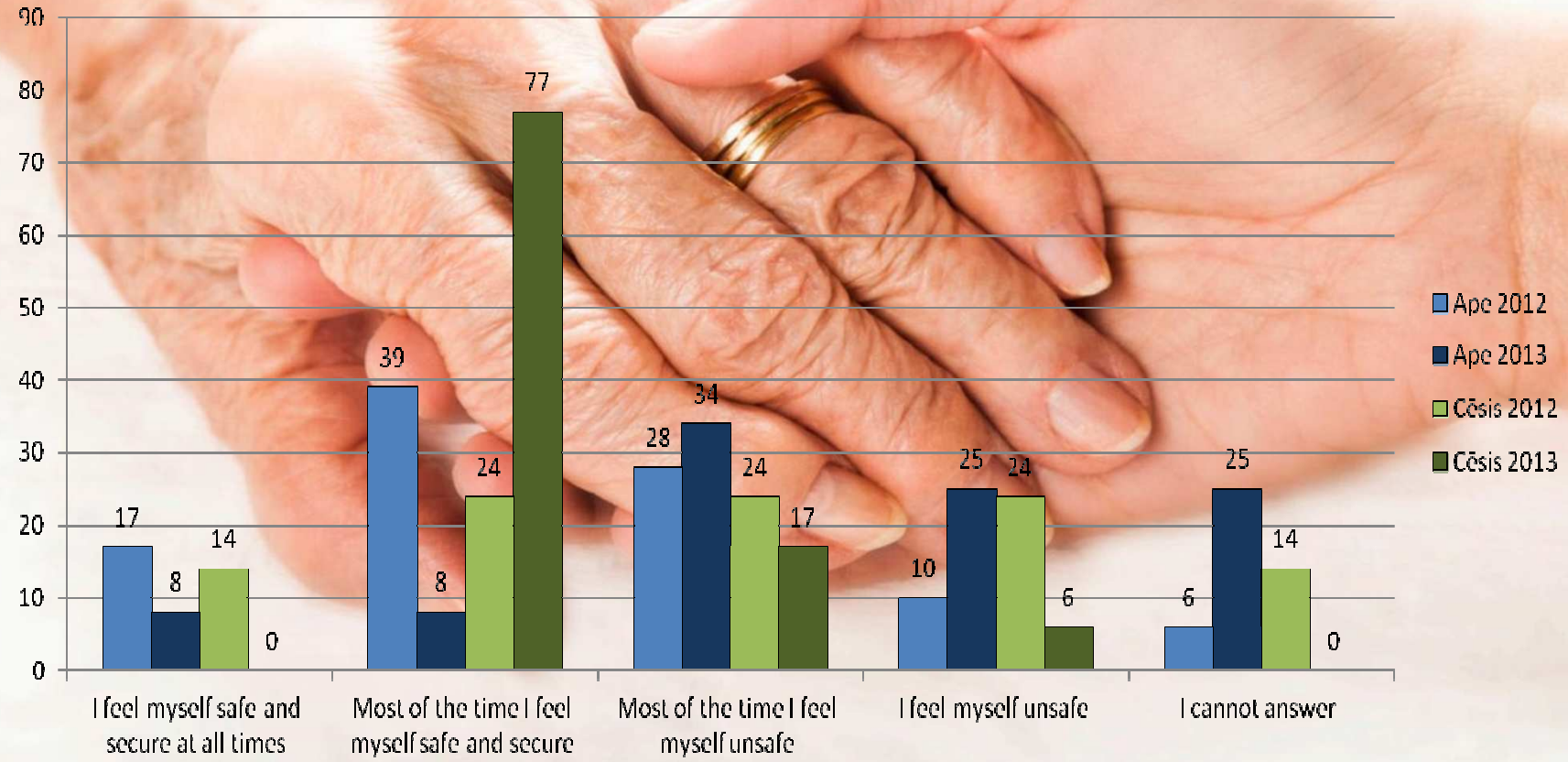
- **Research results**

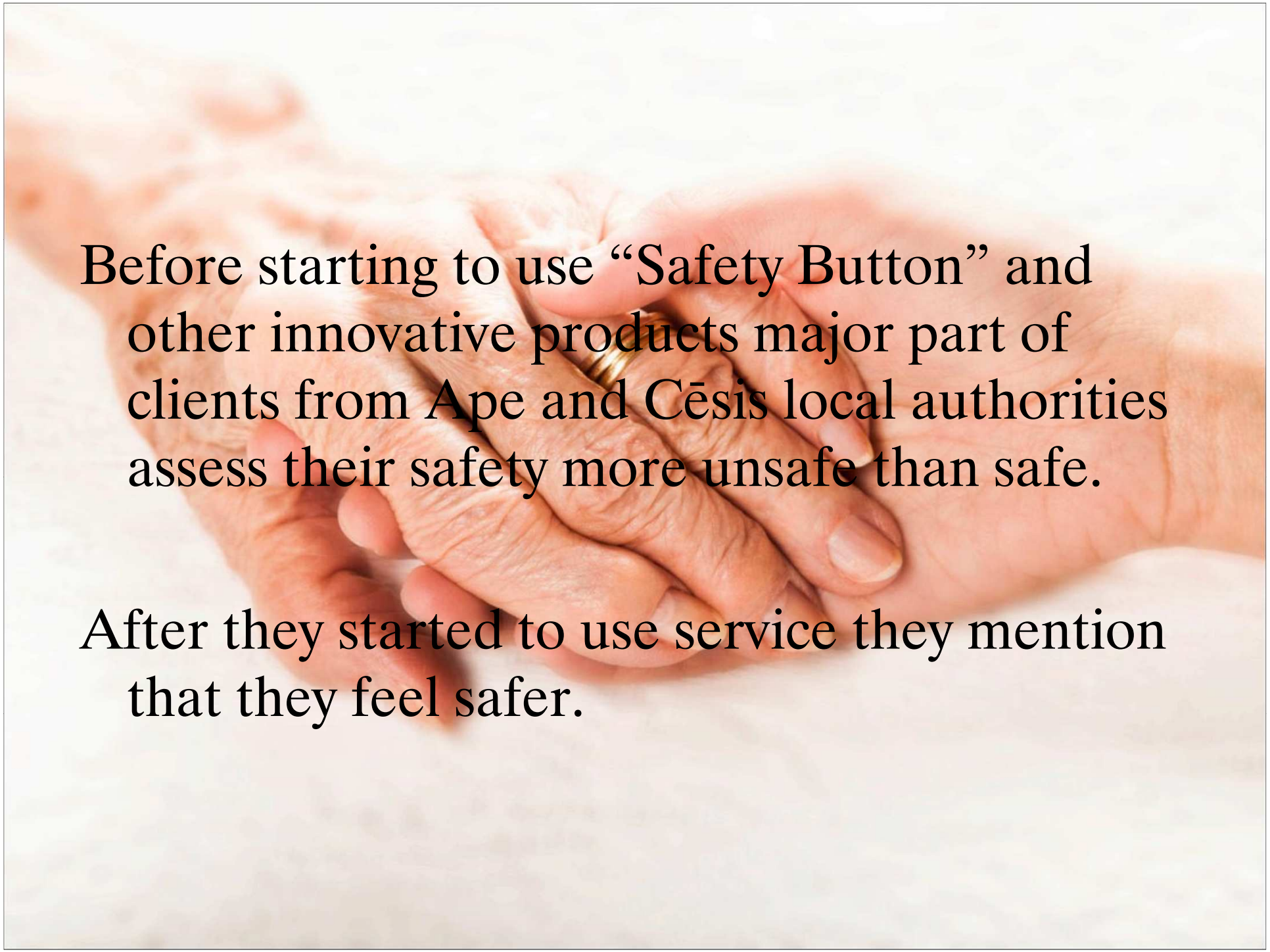
Conclusions 1

Based on results of practical study, following conclusions should be carried out.

Summarizing results of inquiry of elderly clients about the usage of innovative products and services, authors came to a conclusion that in both local authorities clients feel themselves safer

8. How do you evaluate your overall safety and security situation at the moment? (%)



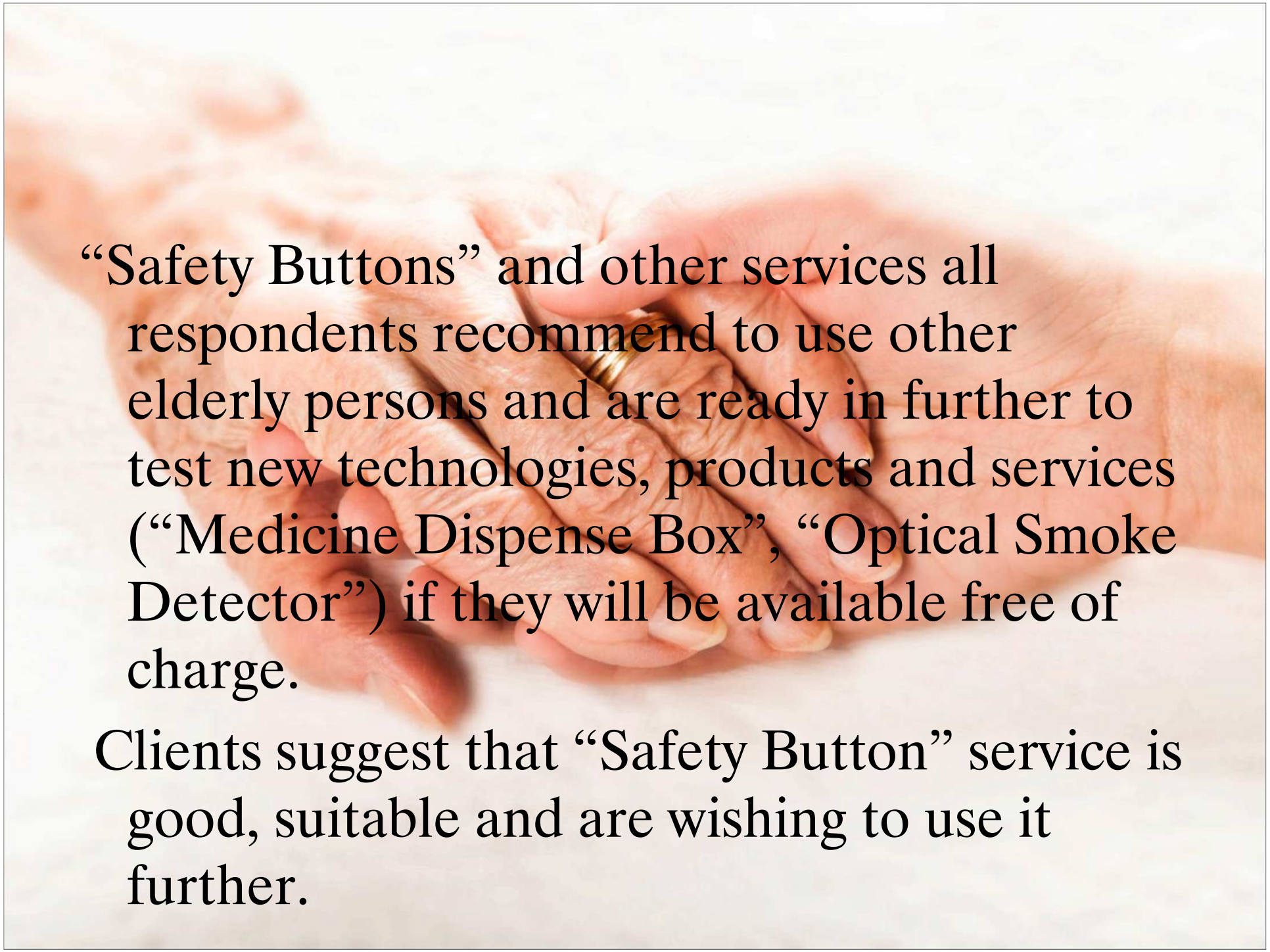


Before starting to use “Safety Button” and other innovative products major part of clients from Ape and Cēsis local authorities assess their safety more unsafe than safe.

After they started to use service they mention that they feel safer.



Appraising points of view about the aspects of service operation and changes, clients from both authorities emphasize that usage of “Safety Button” and other offered services gives them the possibility to stay and live independently in their own homes for a longer time neither to move promptly to old people’s homes.



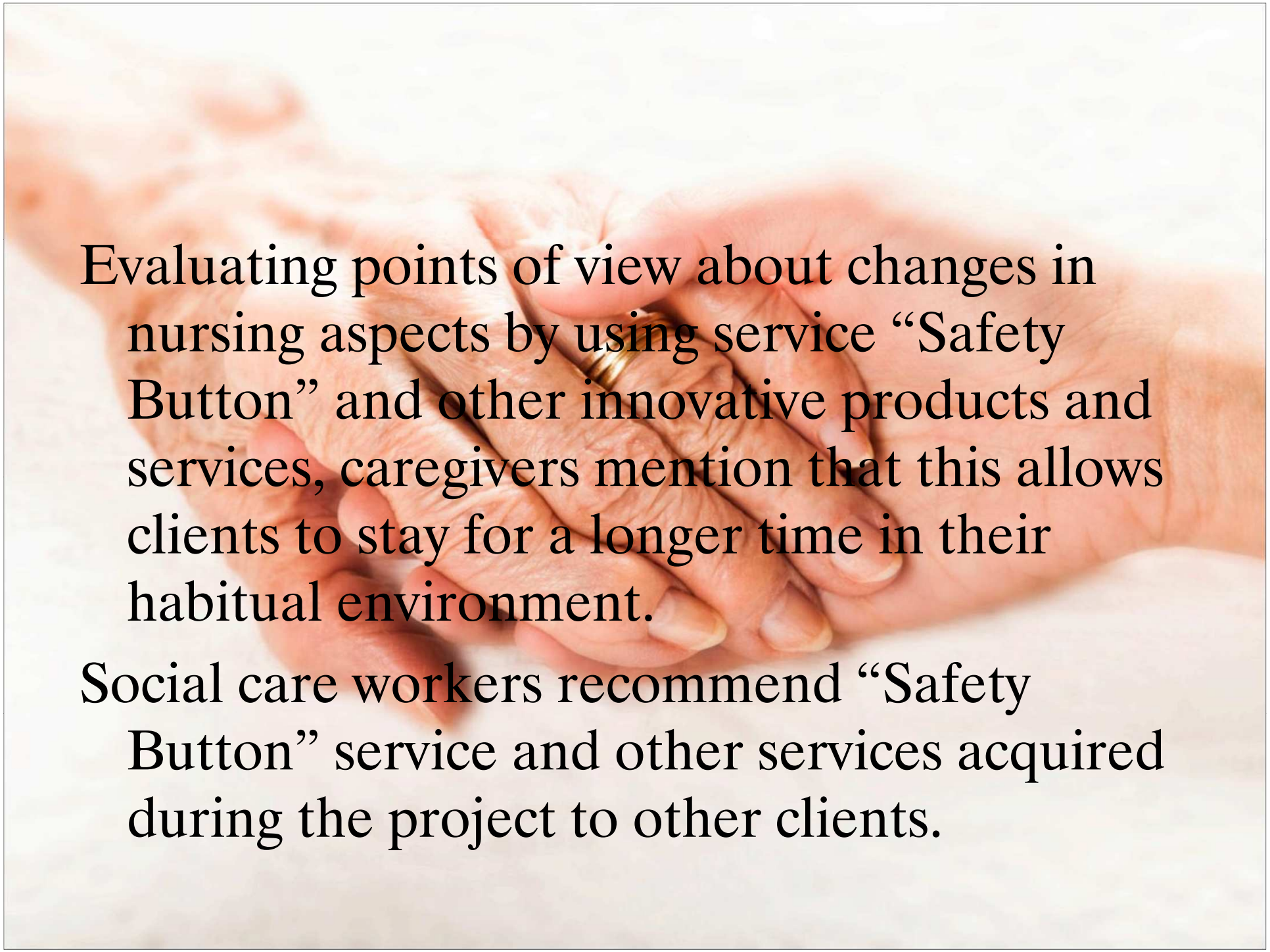
- “Safety Buttons” and other services all respondents recommend to use other elderly persons and are ready in further to test new technologies, products and services (“Medicine Dispense Box”, “Optical Smoke Detector”) if they will be available free of charge.
- Clients suggest that “Safety Button” service is good, suitable and are wishing to use it further.



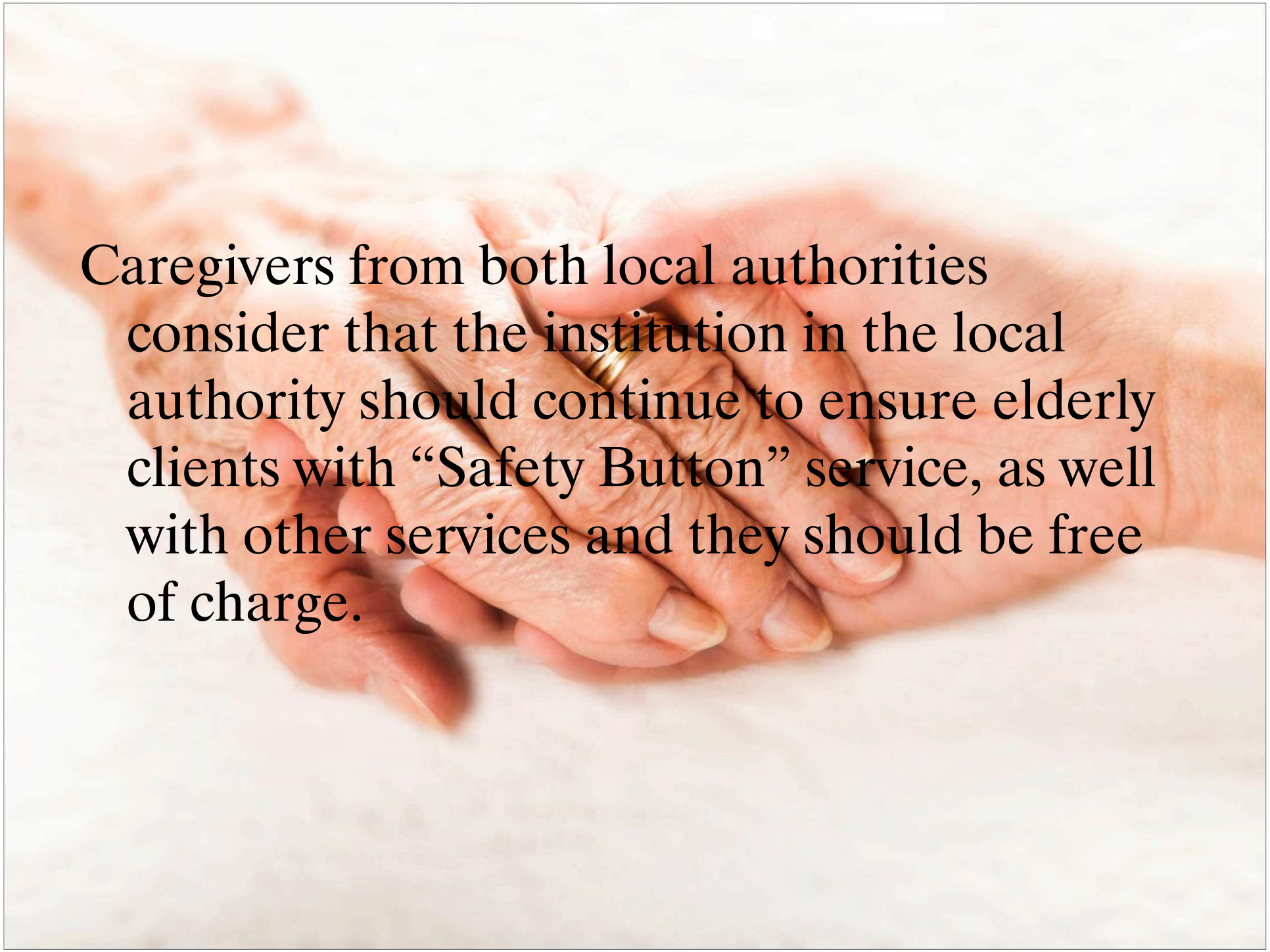
During the usage of “Medicine Dispense Box” only 6 of clients looked after medicine administration time, others feel safe not to forget to take medicine and their daily life rhythm and health improved.

Conclusions 2

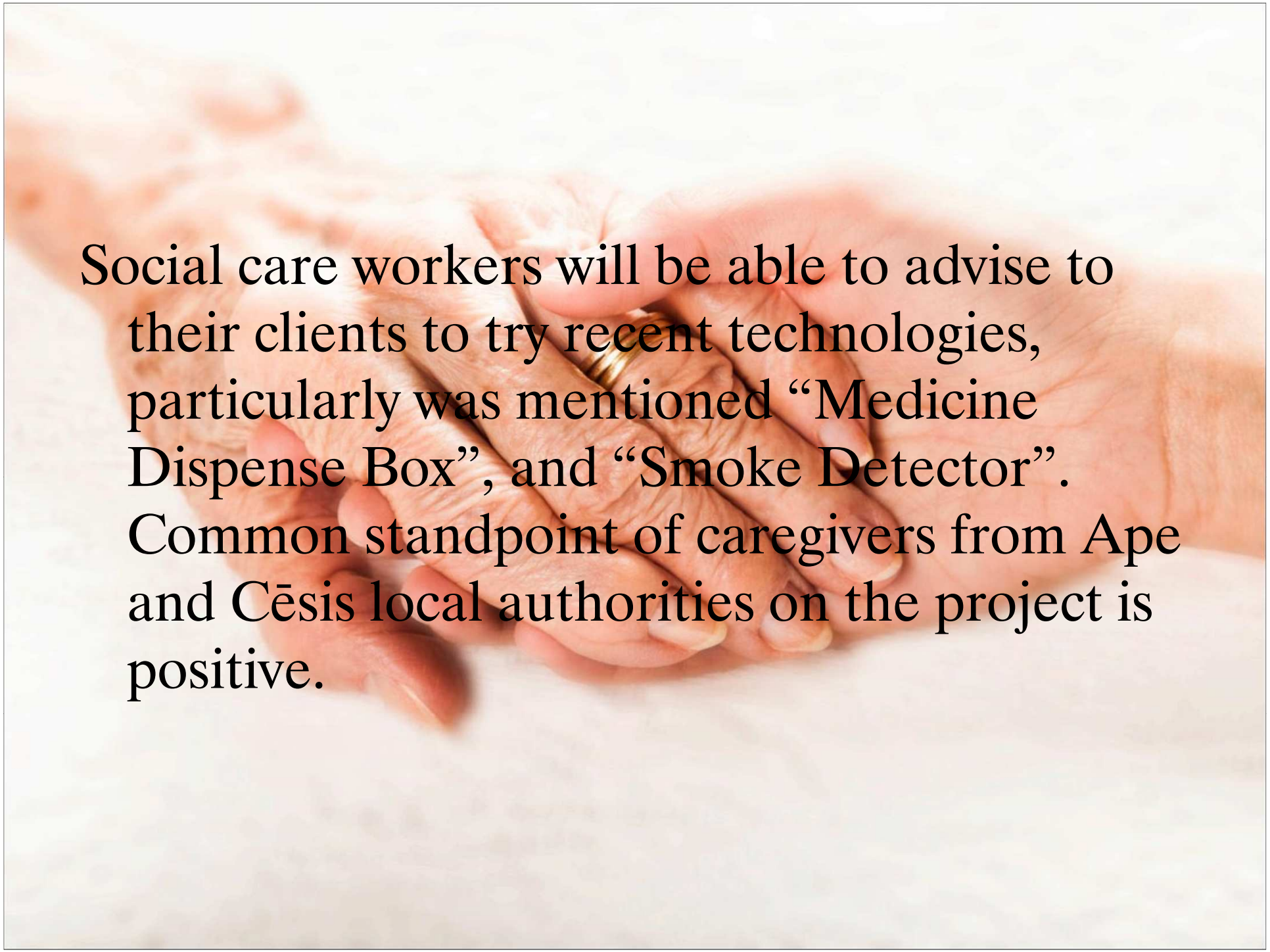
Summarizing social care workers' inquiry results about the usage of innovative products and services is clearly seen that caregivers unanimous indicate that by using particular service clients' safety have improved.



- Evaluating points of view about changes in nursing aspects by using service “Safety Button” and other innovative products and services, caregivers mention that this allows clients to stay for a longer time in their habitual environment.
- Social care workers recommend “Safety Button” service and other services acquired during the project to other clients.



Caregivers from both local authorities consider that the institution in the local authority should continue to ensure elderly clients with “Safety Button” service, as well with other services and they should be free of charge.



Social care workers will be able to advise to their clients to try recent technologies, particularly was mentioned “Medicine Dispense Box”, and “Smoke Detector”. Common standpoint of caregivers from Ape and Cēsis local authorities on the project is positive.

Conclusions 3

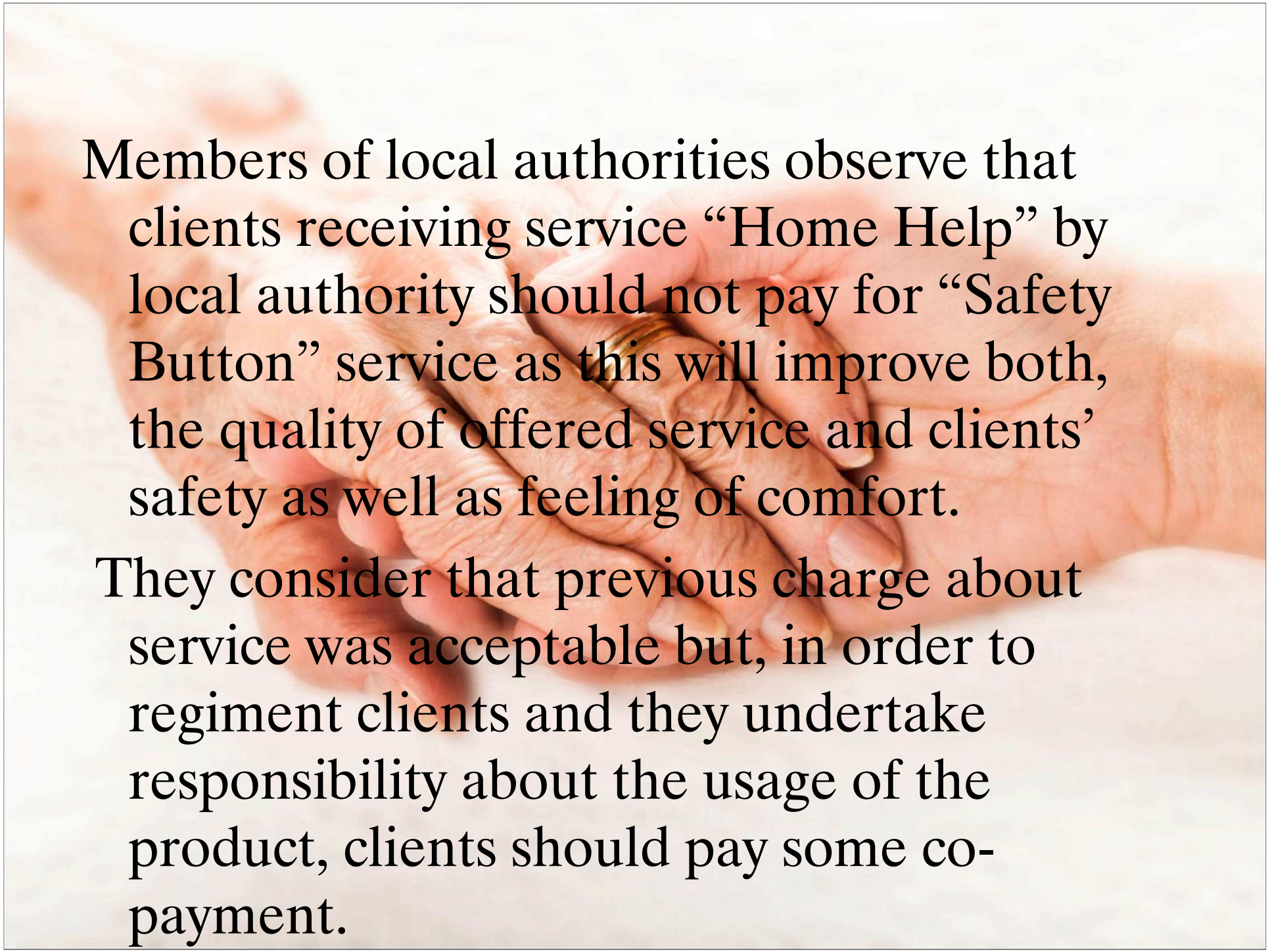
Summarizing interview results given by local community officers about the usage of innovative products and services, researchers found that Ape and Cēsis local authority members mention that they hope that all services and products will be easy for clients to use and therefore they will facilitate communication between client, his caregiver and family members. In that way help should be offered more operatively as it was before.

Expectations for the service, and the fulfillment of expectations

- **Officials interviews - Ape un Cēsis**



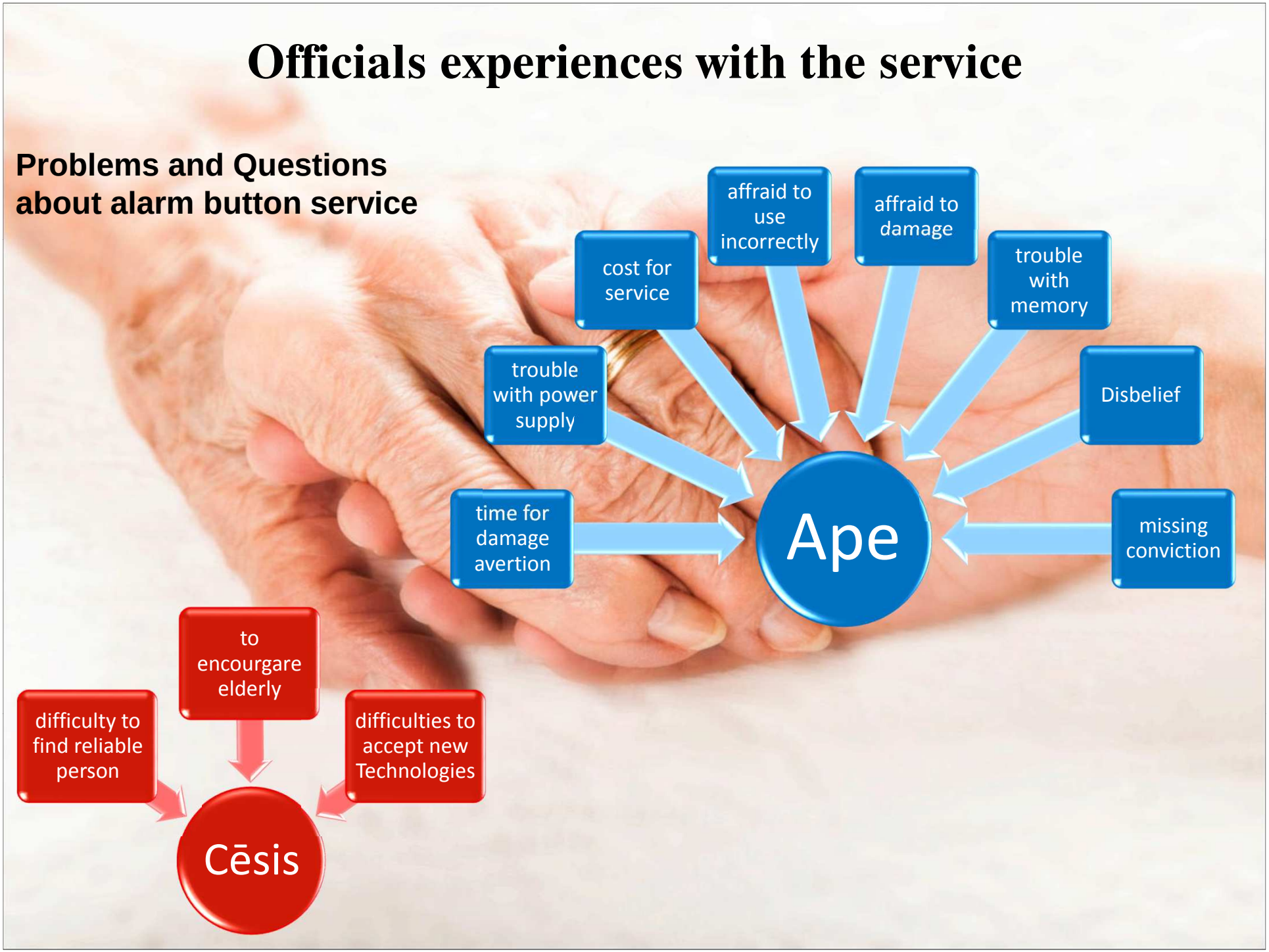
Cēsis-the introduced service facilitates client's daily life, client's safety at home and the opportunity to recieve first aid and 24 hour monitoring.

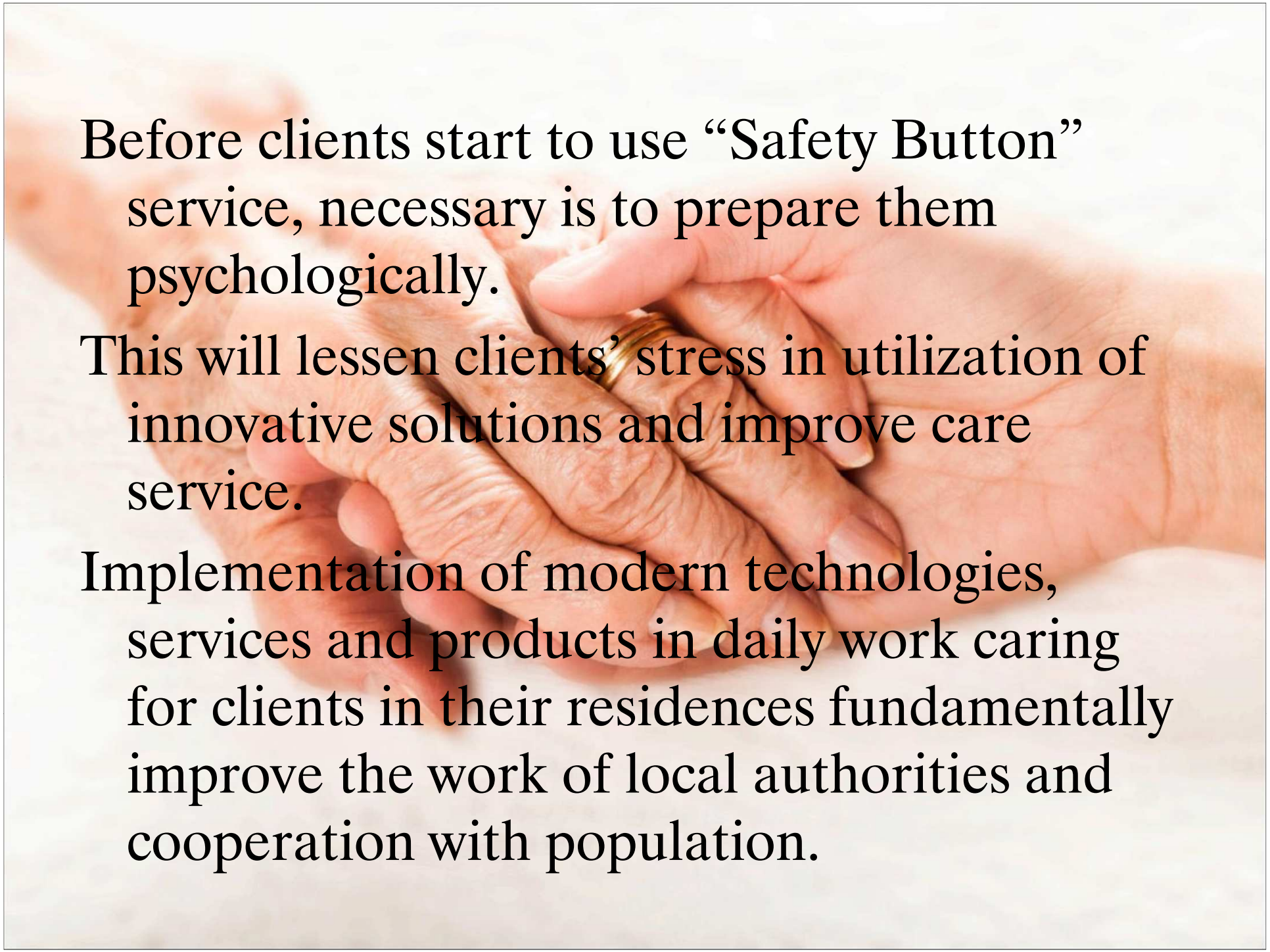


- Members of local authorities observe that clients receiving service “Home Help” by local authority should not pay for “Safety Button” service as this will improve both, the quality of offered service and clients’ safety as well as feeling of comfort.
- They consider that previous charge about service was acceptable but, in order to regiment clients and they undertake responsibility about the usage of the product, clients should pay some co-payment.

Officials experiences with the service

Problems and Questions about alarm button service





- Before clients start to use “Safety Button” service, necessary is to prepare them psychologically.
- This will lessen clients’ stress in utilization of innovative solutions and improve care service.
- Implementation of modern technologies, services and products in daily work caring for clients in their residences fundamentally improve the work of local authorities and cooperation with population.


Thank you for Your attention!