

# Mémoire-Red™



PRESS RELEASE



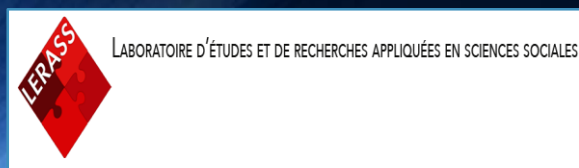
Mémoire-Red

Research & Development

# Mémoire-Red™



## Publications-Congress-Partners



- *International journal articles*

- **Revue Non-pharmacological Therapies in Dementia, 2015**

- **Jenny Duchier, Nadine Vigouroux, Elizabeth Bougeois, Frédéric Vella, Blandine Boudet, Pierre Rumeau**. *Preliminary study of human interactions during entertainment by a facilitator using a cognitive stimulation medium (Mémoire-RED) in a nursing-home setting.* Dans : *Non-pharmacological Therapies in Dementia*, **Nova Science Publishers**, Vol. 3 N. 2, p. 181-186, 2015.

## 4 The Annual Days of the French Society of Technologies for Autonomy and Gérontechnologie, Paris

- Elizabeth Bougeois, Jenny Duchier, Franck Vergnac, Nadine Vigouroux, Frédéric Vella, Pierre Rumeau. *Étude exploratoire d'interactions lors de deux animations en EHPAD appuyées sur un support de stimulation cognitive (memoire-red)*. Dans : 4 ième Journées annuelles de la Société Française des Technologies pour l'Autonomie et de Gérontechnologie, Paris, 24/11/14-25/11/14

## *2nd European Congress of Cognitive Stimulation, Toulouse.*

Jenny Duchier, Nadine Vigouroux, Elizabeth Bougeois, Frédéric Vella, Blandine Boudet, Pierre Rumeau. *Étude exploratoire d'interactions lors d'une animation en EHPAD appuyée sur un outil de stimulation cognitive (memoire-red) (poster). Dans : 2ème Congrès Européen de Stimulation Cognitive, Toulouse, 22/09/14-23/09/14.*



# Mémoire-Red™

Nominés a la final des Trophées SilverEco 2016  
catégorie HERBEGEMENT COLLECTIF/EHPAD



Mémoire-Red

*Recherche & développement*



ACTEUR DE LA  
**SILVER ECO**

**FILIÈRE INDUSTRIELLE SOUTENUE  
PAR LE GOUVERNEMENT FRANÇAIS**



Trophées  
SilverEco® 2016

## Silver Night

8ème édition – 21 mars 2016  
- Accueil du public à 17h30 -



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DE L'INDUSTRIE ET DU NUMÉRIQUE

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MINISTRE DE L'ÉCONOMIE,  
DE L'INDUSTRIE ET DU NUMÉRIQUE

ET LE HAUT MARRAINAGE  
DE MADAME PASCALE BOISTARD  
SECRETARE D'ETAT CHARGÉE  
DES PERSONNES AGÉES  
ET DE L'AUTONOMIE



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DES AFFAIRES SOCIALES  
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SECRETARIAT D'ETAT  
CHARGÉ DES  
PERSONNES AGÉES  
ET DE L'AUTONOMIE

# PRELIMINARY STUDY OF HUMAN SOCIAL INTERACTIONS DURING ENTERTAINMENT USING A COGNITIVE STIMULATION MEDIUM (MÉMOIRE-RED™) IN A NURSING HOME.

Bougeois E.<sup>1</sup>, Duchier J.<sup>2</sup>, Vigouroux N.<sup>3</sup>, Vella F.<sup>3</sup>, Boudet B.<sup>4</sup>, Vergnac F.<sup>5</sup>, Rumeau P.<sup>2,4</sup>  
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 4- Laboratoire de Géroontechnologie La Grave / Gérotopôle / CHU Toulouse  
 5- Mémoire-Red™

## Context

The late stage of Alzheimer's disease and related conditions benefit from an increased medical attention in nursing homes staff availability may be scarcely available for other duties.

Most of the cognitive stimulation based on technological tools are designed for individual, « face to face » use → proved little effectiveness (Tarraga et al. 2006) and significant cost for the personalization of tests (Lee and Key, 2007) (Sellen et al., 2007).

Group entertainment by a facilitator is the accepted practice.

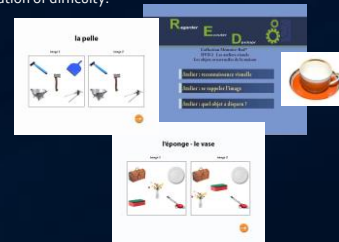
## Scientific objectives

-Qualification of the effects of a system including a human component (the facilitator) and a technology on the pragmatism of nursing home patients with Alzheimer's disease or related conditions ;

-Study of the interactions of people with neurodegenerative cognitive impairment.

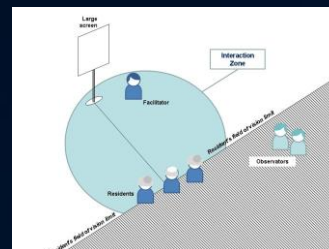
## Mémoire-red™ description

Mémoire-red™ : animated interactive software structured exercise (visual object recognition by theme, quizzes, etc.) in an empirical gradation of difficulty.



## Method

Project members are structured as a transdisciplinary research team. We use the general framework of the Ling Lab and previous collaboration links ease common work. The assessment of Mémoire-Red™ took place in two different nursing home with, in each nursing home, one facilitator and two groups of 5 to 8 residents (one mild and one moderate cognitive impairment group).

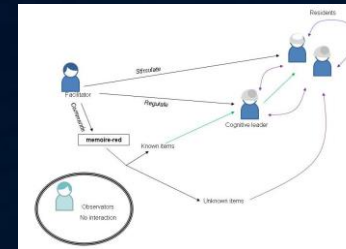


## Results / discussion

We could observe different types of reaction of the participants:

- Some exercises would foster communication within the group of residents;
- A leader would appear answering for the group;
- Some residents would only react to some of the exercises.

Some residents would behave more as in a work situation than a playful situation while for others there was an entertaining dimension → We wonder about the impact of the cognitive impairment, its stage, and about the social representations



## Conclusion

- Mémoire-red™ :
- fosters social participation
- interactions between the residents

Retro-engineering from an empirical device is relevant to try and improve it when, to our knowledge, little is known on this special practice and development recommendations are not available.

## Références

L. Tarraga, M. Boda, G. Modinos, A. Espinosa, S. Diego, A. Morera, M. Guitart, J. Balcells, O. L. Lopez, J. T. Becker. A randomised pilot study to assess the efficacy of an interactive, multimedia tool of cognitive stimulation in Alzheimer's disease, *J Neural Neurosurg Psychiatry* 2006;77:1116-1121. doi:10.1136/jnnp.2005.086074.

M. L. Lee & A. K. Dey, in *Proceedings of ASSETS'07*, October 15-17, 2007, Tempe, Arizona, USA, p. 131-138. Copyright 2007 ACM 978-1-59593-573-1/07/0010

A. Sellen, A. Fogg, M. Aitken, S. Hodges, C. Rother and K. Wood, Do Life-Logging Technologies Support Memory for the Past? An Experimental Study Using SenseCam in *CHI 2007 Proceedings, Capturing Life Experiences*, April 28-May 3, 2007, San Jose, CA, USA, p. 81-90.

E. Goffman, The interaction order, *American Sociological Review*, 1983, 48:1-17.

B. Boudet, M. Lefèvre, P. Rumeau, M. Savoldelli, F. Nourhashémi, N. Vigouroux. Résultats d'un test visuo-gnosique: modèle de prédiction du niveau d'atteinte cognitive d'une personne âgée?, *Congrès ASSISTH2011*, Paris, 17/01/2011-19/01/2011

# PRIX « INNOVATION » FN MARPA







## PRIX « INNOVATION » FN MARPA

Etude/action « **Mémoire RED<sup>tm</sup>** »

**RESEARCH PROJECT JOINTLY LEAD BY FOUR ESTABLISHMENTS  
IN TOULOUSE**

**IRIT-ISERM-UNIVERSITY TOULOUSE 2 - CHU**

MARPA d'Auriac sur Vendinelle

MARPA d'Aurignac

MARPA de Bourg de Bigorre

MARPA de Saint Plancard



## LE CONTEXTE

National Federation MARPA launched a Call for Project "INNOVATION" in May 2016 to which the MSA Midi-Pyrenees South replied, under the 4 MARPA of MPS.

The project presented, on the theme of new information and communication technologies, is to participate in a study / action implementation of multimedia animation workshops around an interactive tool of cognitive stimulation, validated by the Gerontopole de Toulouse called Memory RED.

We have obtained for this project, which will be implemented by MPS Expertises Sociales, within the framework of its missions, the 1st prize

# Mémoire-Red™

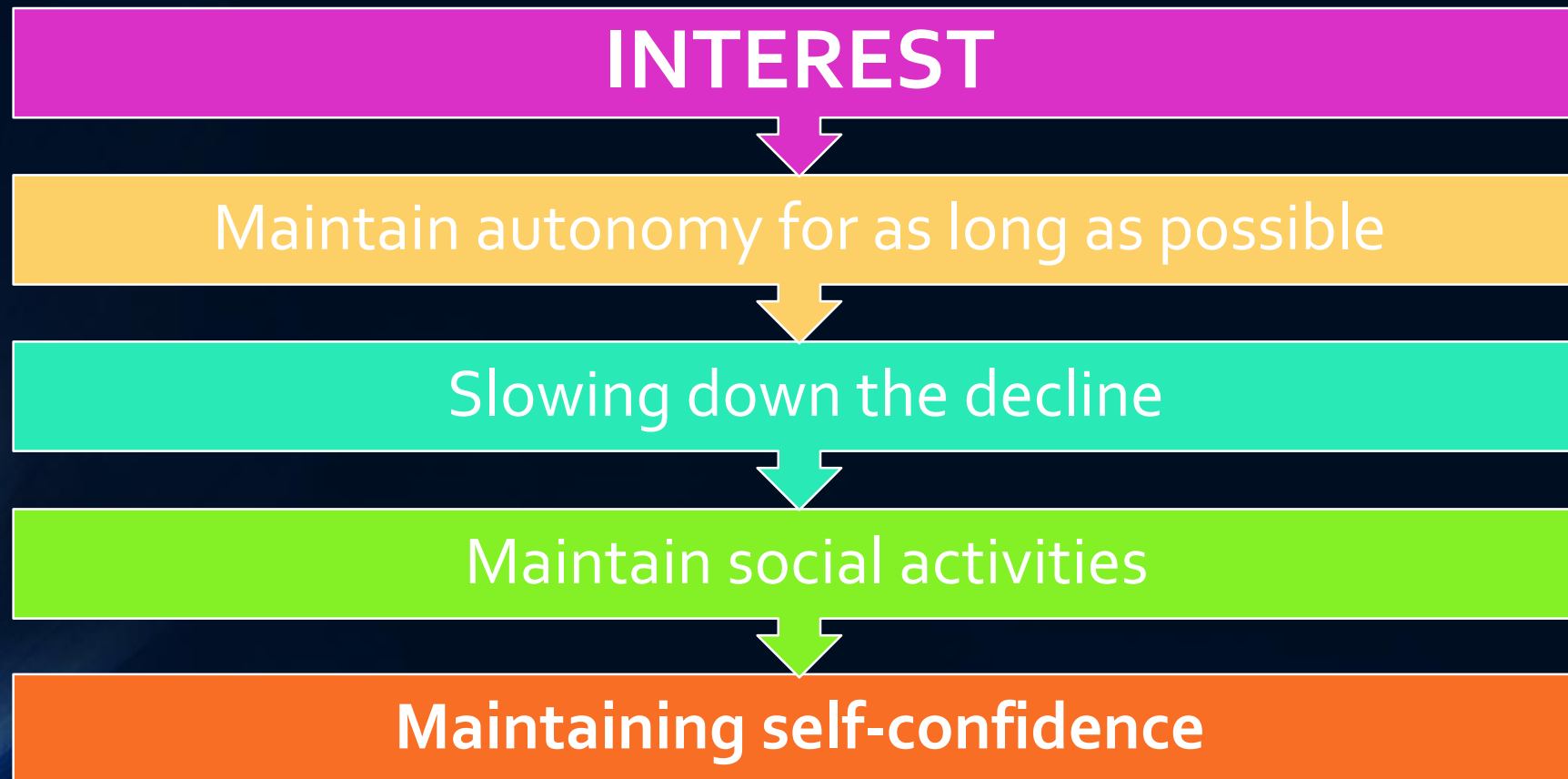


**Cognitive stimulation workshops  
By the animation.**





# Why ? Workshops Of cognitive stimulation with the tool Memory-Red <sup>TM</sup>







# Set up workshops

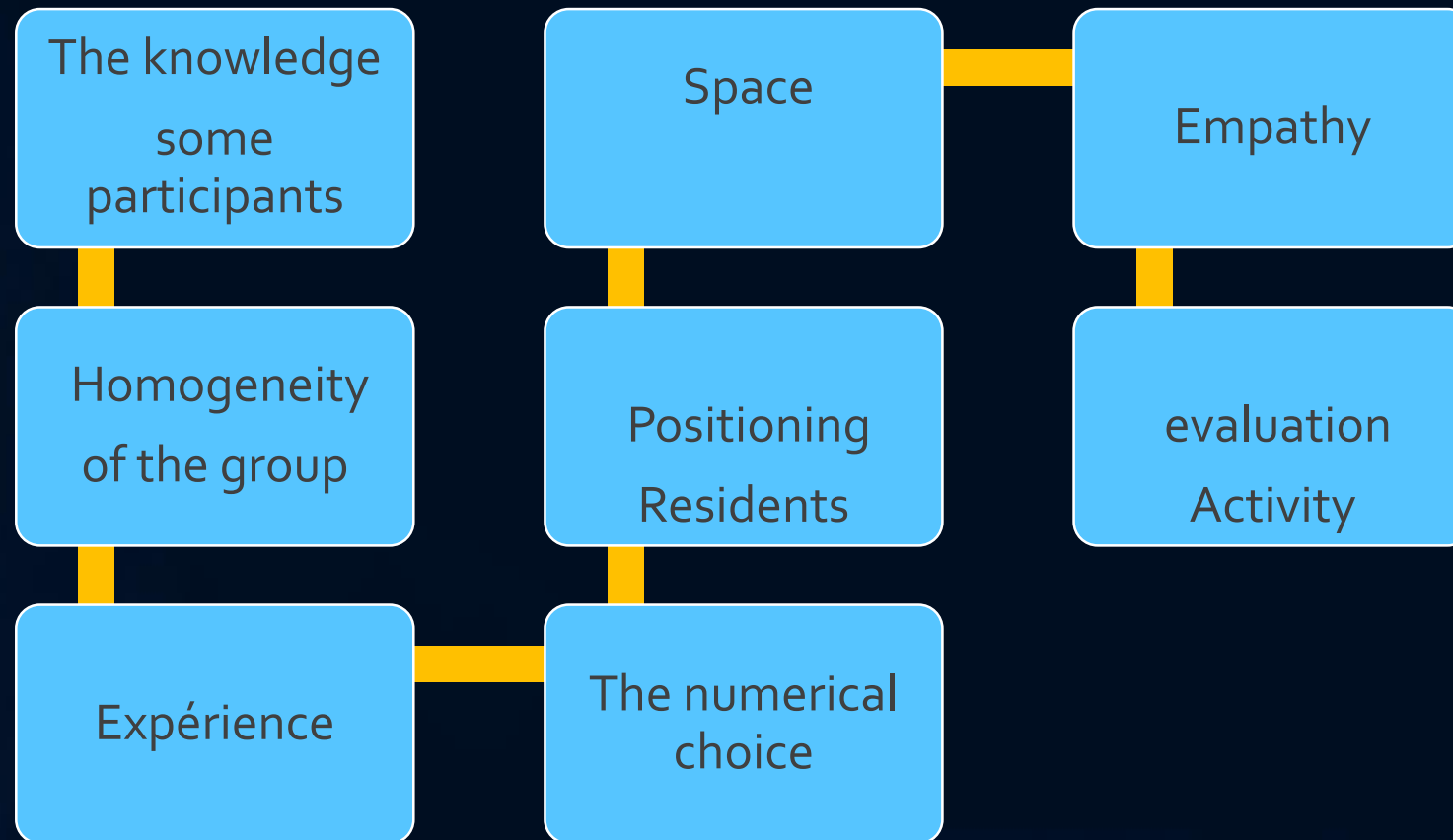
## Cognitive stimulation with The Memory-Red <sup>TM</sup> tool

Digital support for cognitive stimulation workshops.  
Playful and intuitive meeting the objectives of stimulating the residents with workshops structured by themes relate to everyday life.

- Cooperation and interaction tool
- places of use, EHPAD, MARPA, FOYER HOUSING



The base of the workshops proposed, thus guaranteeing a response adapted to the needs of professionals in the geriatric sector for their publics. Memory Red allows by promoting exchange, supporting people's autonomy by a better approach to their environment, and stimulating memory and reasoning through simple exercises. The workshops are designed to encourage participation and collaboration between the members of a group of individuals and the facilitator, and between the members of the group themselves.





Values observed

Results achieved



**Cohesion of the group by The participation exchanges**

**Faculty of profit-sharing and results of exercises**





- Encouraging the imagination
- Communicating, expressing oneself differently
- Communicate, be in contact with others
- Create or recreate social link.
- Join a group.
- To find words, terms corresponding to an epoch, to have the pleasure of emitting ideas and reflections.
- Enabling residents to pass on knowledge



- The pleasure of playing.
- Remember the past.
- Valuing, increasing self-esteem.
- Recognize abilities.
- Enabling verbal expression
- Emotional memory is particularly sought, as well as semantic memory and other memories.



[www.memoire-red.fr](http://www.memoire-red.fr)



Mémoire-Red

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