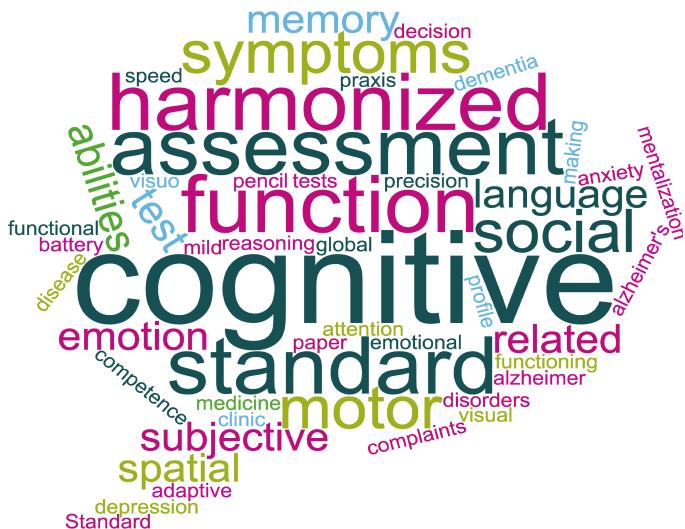# Harmonizing Neuropsychological Assessment for Dementia in Europe

May 9-11, 2018 CIGEV - Centre Interfacultaire de Gérontologie et d'Etudes des Vulnérabilités, Boulevard du Pont d'Arve, 28, 1205, Genève

Workshop by invitation only

Organized by LANVIE – Laboratoire de Neuroimagerie du Vieillissement, Dept. de Psychiatrie, Faculté de Médecine (M Boccardi, GB Frisoni) & Laboratoire du Vieillissement Cognitif, Faculté de Psychologie et Science de l'Education (M Kliegel), Université de Genève.

Sponsors

Swiss National Science Foundation; Alzheimer Forum Switzerland; Mindmaze.

Stakeholders

Swiss Memory Clinics; Alzheimer's Europe; Italian NIH; Alzheimer Forum Switzerland; Age-NT.

Hosting Institutions

University of Geneva; CIGEV - Centre Interfacultaire de Gérontologie et d'Etudes des Vulnérabilités; Centre de la Memoire HUG; EADC - European Alzheimer's Disease Consortium.

PROGRAM - May 9

| 09.45 | Registration |
| 10.15 | Welcome (Marina Boccardi; Matthias Kliegel; Giovanni Frisoni) |

Workshop structure & background (Chairs: Bengt Winblad; Stefano Cappa)

10.30	Neuropsychological assessment in current diagnostic criteria and their use in European memory clinics (Bruno Dubois)
11.00	Workshop aims and structure (Marina Boccardi)
11.30	From harmonization to standandardization (and vice versa) (Emiliano Albanese, Giovanni Piumatti)
11.45	Discussion: identifying hurdles and facilitators, to assess the impact of the initiative in the short term
12.00	The Joint Program - Neurodegenerative Disease Research (JPND) results and recommendations (Stefano Cappa)
12.30	The Alzheimer's Disease Neuroimaging Initiative (ADNI) and Uniform DataSet (UDS) neuropsychological batteries (David Salmon)
13.00	Lunch break
14.00	ROMENS (Jean-François Démonet)
14.30	The CERAD assessment translation (Andreas Monsch)
15.00	Validation framework for individual tests (Chiara Cerami)
15.30	Coffee break
16.00	Harmonization of neuropsychological assessment in Sweden (Daniel Ferreira Padilla)
16.30	The European Medical Information Framework (EMIF) repository (Isabelle Bos)
17.00	Discussion
19.00	Social dinner

PROGRAM - May 10

Focused research (Chairs: Patrizia Mecocci, Matthias Kliegel)
Aim: outline prioritization criteria used in other contexts, and the work required for these criteria (assessment of validity or of diagnostic accuracy; provision of norms; generation of language-free versions..)

09.00	The Dementia Outcomes Measurement Suite (DOMS) (Liesbeth Aerts)
09.30	Hypothesis-driven language independent assessment (Mira Didic)
09.50	Tests of global functioning and guidelines for use in the elderly (Martina Pigliautile, Patrizia Mecocci)
10.10	Production of norms for the free and cued selective reminding test (Nicola Girtler)
10.30	Coffee break
11.00	European Alzheimer's Disease Consortium (EADC) Survey 2018: preliminary findings (Daniele Altomare)
11.30	Discussion: prioritization criteria
12.30	Lunch break

Test score normalization and composites (Chairs: Clarissa Ferrari; Manfred Berres)
Aim: previous normalization of test scores; requirements for appropriateness and user-friendliness; definition of composite measures for more reliable direct comparisons by cognitive domain.

13.30	The ROMENS tool (Andrea Brioschi)
14.00	The UDS tool (Steven Shirk)
14.30	Normal ranges for skewed and heteroscedastic test scores with adjustment for covariates (Manfred Berres)
15.00	Discussion
15.30	Coffee break
16.00	Issues in score conversion (Clarissa Ferrari)
16.30	Handling deviation from Gaussianity in compounding response speed and error rate (Alessio Toraldo)
17.00	Handling heterogeneous datasets in large repositories: Dementias Platform UK (Sarah Bauermeister)
17.30	Discussion: issues to be considered in the working group for score normalization.

PROGRAM - May 11

09.00   Parallel Working Groups

**Working group 1 - Score normalization and composites
(Clarissa Ferrari, Manfred Berres)**
Aim: Consensus on metrics definition

Working group 2 - Test selection (Daniele Altomare, Nicola Ballhausen)
Aim: Consensus on test selection

12.00   Lunch break

13.00   Discussion and outline of main paper

14.30   Report & paper outline: WG1
15.30   Report & paper outline: WG2

17.30   Closing remarks (Marina Boccardi, Matthias Kliegel, Giovanni Frisoni)