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Scientific interests

- Language: Functional patterns of pragmatic markers (e.g., euh uh, bon well) and pragmatic gestures (e.g., Palm-up, head tilt) → 'Multimodal pragmatic constructions' (Bolly, 2015)
- Aging: Self-esteem, Tip Of the Tongue (TOT), quality of life, social network, cognitive loss, communicative competence, compensatory strategies, aging well and adaptive abilities, interaction and alignment, non-medical care, etc.
 - Hypotheses: Pragmatic markers and pragmatic gestures used by old speakers to compensate for physical, psycho-social or cognitive age-related changes, in order to express their attitudes, emotions, as to remain involved in the interaction

- G. Duboisdindien (dir.: C.T. Bolly, A. Lacheret): impact of (non)verbal
- A. Lepeut (dir.: L. Meurant, C.T. Bolly): interactive gestures, signs, and space in old speakers (Belgian spoken French / French Belgian Sign Language-LSFB)
- pragmatic markers on the language of frail very old people over time

Size (estimation)

2.5 M words, 144 hrs. > transcribed/normalized: 8.5 hrs. (130,000 tokens)

Audio recordings

212 audio recordings, face-to-face, semi-directed interviews

2 interviews per old speaker

Tasks: Int. n°1: Milestones in aging / Int. n°2: Self-perception of aging today

Participants

106 very old people (75 y. old and more), interviewed by a Master student in psychology

Native-speakers of French, living at home

No major cognitive impairment (WITHOUT any clinical testing)

Volunteers, recruited by the student

Approx. 250,000 words; 16.8 hrs. > Sampling procedure for the annotation

Audio and video recordings

18 audio and video recordings, face-to-face, semi-directed interviews 2 interviews per old speaker

Participants

9 very old people (75 y. old and more), interviewed by an intimate (Int. n°1) and unknown person (Int. n°2)

Native-speakers of Belgian-French, living at home or in residential home No major cognitive impairment (WITH clinical testing: MoCA screening test) Mean age: 85; sex: 8 F, 1 M; average MoCA-Test score: 25/30

Task Type	Interview n°1 (with an intimate person)	Interview n°2 (with an unknown person)	
Task A:	Task 1A:	Task 2A:	
Descriptive task with a	Milestones in aging	Milestones in progress	
focus on past events			
Task B:	Task 1B:	Task 2B:	
Explicative task with a	Self-perception of aging	Self-perception of every-day	
focus on present-day life		environment	
Table 1.	Tasks for the transversal cor	pus data collection	

20 hrs. > Sampling procedure for the gesture/speech annotation

Audio and video recordings

36 audio and video recordings, face-to-face, semi-directed interviews 4 interviews per old speaker (conducted by an intimate)

9 very old frail people (75 y. old and more), interviewed by an intimate Native-speakers of French-French, living at home

Minor cognitive impairment (WITH clinical testing: MoCA screening test) Mean age: 83; sex: 9 F; average MoCA-Test score: 20/30

Task Type	(Interview n°1)	Interview n°2	Interview n°3	Interview n°4
Task A:	Task 1A:	Task 2A:	Task 3A:	Task 4A:
Focus on past	Milestones in aging	Visual reminiscence	Olfactory	Auditory
events		from a personal picture	reminiscence	reminiscence
Task B:	Task 1B:	Task 2B:	Task 3B:	Task 4B:
Focus on	Society's	Self-perception of	Family and social	Self-perception of
present-day life	perception of aging	everyday environment	relationships	aging
Table 2. Tasks for the longitudinal corpus data collection				

Collaborations

- Multimodal interoperable model to annotate the functions of pragmatic markers and gestures (Bolly & Crible, 2015) > Panel at IPRA 2017
- Cross-linguistic approach to gestures in sign language and spoken language (with L. Meurant & S. Gabarró-López at UNamur)

Metadata

Age, education, environment, profession, social tie between the speakers, selfassessment of health, quality of life, etc. (likert scales)

Accessibility, storage

Transcribed (.doc): Valibel conventions > 5% normalized and anonymized Ethics: oral/written informed consent

Diane (ageJD1r-2), Social tie betw. speakers: neighbors, Task n°2: Self-perception of aging

ageQL0 (22 y. old): mais justement qu'est-ce que vous trouvez difficile dans le fait de vieillir...

ageJD1 (85 y. old): mais tu sais euh on se demande toujours comment sera la fin de sa vie (mm) ageJD1: on ne la connaît pas personne ne la connaît (mm mm)

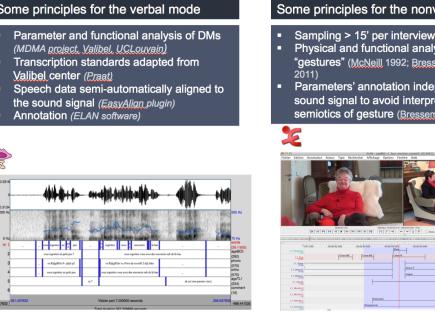
ageJD1: alors j'essaie de ne pas y penser (rires)

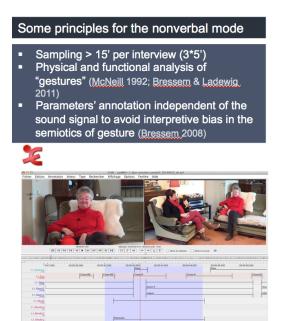
ageQL0: mm oui oui oui (rires)

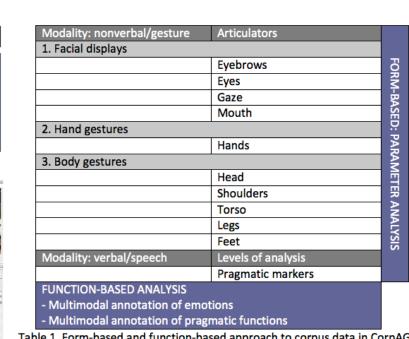
ageQL0 (22 y. old): but yes what do you consider to be hard in the experience of aging...

ageLD1 (85 y. old): but you know uh you always wonder how the end of your life will be (mm) we don't know it nobody knows it (mm mm) so I try not to think about it (laughs) mm (yeah yeah yeah) (laughs)









Media and size

Audio: 2 sound signals, .wav, mono, 44.1 KHz, 16 bits Video: 2 cameras, H264, MPEG4

Metadata

Situation: date, place, duration, quality of the recordings, etc.

Speakers: age, sex, education, profession, mother tongue, geographic origin, living environment, social tie, health/quality of life (subjective scales), etc.

Clinical tests

French IRI test of empathy (Gilet et al. 2013)

MoCA - Montreal Cognitive Assessment Test (Nasreddine 2003 to 2014) AGGIR - French test for the degree of dependency

Ethics

Validation by an Ethical Committee (cf. UE Marie Curie CorpAGEst project) Informed consent (oral/written)

Voluntary participation, recruited by the intimate person/researcher Anonymization procedure (names, places, sound signal and video signal)

Accessibility, storage

Transcribed (.doc): refined Valibel conventions

Ortolang resource center in France (ongoing storage process)





Tristane (ageIT1), 80 y. old, education: 11 y., MoCA: 23>20>18 ageIT1: et puis bon bah moi j'étais d'accord donc je dis à mes copines aujourd'hui je ne vais pas jouer on s'en va au goûter des prisonniers avec ma mère à la Maison Saint-Jean et le jour du treize mai quarante-trois le Grand Bombardement normalement je devais être avec mes amies à jouer sur les trottoirs et pour une fois j'étais partie au goûter des prisonniers avec ma mère

malheureusement (...) et mes deux petites amies elles ont été tuées donc si j'avais été avec eux je serais tuée et tu vois c'est quand même une grande euh je suis revenue et je euh je suis revenue ça n'était que des monts de briques que des maisons démolies

ageIT1: and then well hum I agreed so I said to my two friends : today I won't play with you because I have to go to the prisoners support tea party to the social club with my mother **and** the day of the 13th 1943 it was the Great Bombing Attack I would have played with my friends and for once I was with my mother at the social club and my two friends were killed so if I had been on the street with them, I would have been killed and you see it is such a hard **uh** I went back there were only mountains of bricks everywhere all houses were blown off by the explosion