Multilingual speech tests in several European countries

Validation and cross-language comparison

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Aim of HearCom/Speech tests

Obtain similar results across test sites also

on an international scale D0/T30 D0/T20 D0/T20 Kerstin Peter Anneke sieht D0/T20 D0/T20 achtzehn wants wint Julien Märta drie some gruene ägde attrape bia grote Sessel. nio trois desks bloemen gamla rubans korgar. mauves All correct All correct All correct OK OK OK All correct All correct OK OK

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Aim of HearCom/Speech tests

 Obtain similar results across test sites also on an international scale



 Implement tests on common measurement platform (Oldenburg measurement applications! OMA)

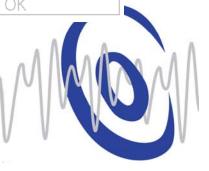


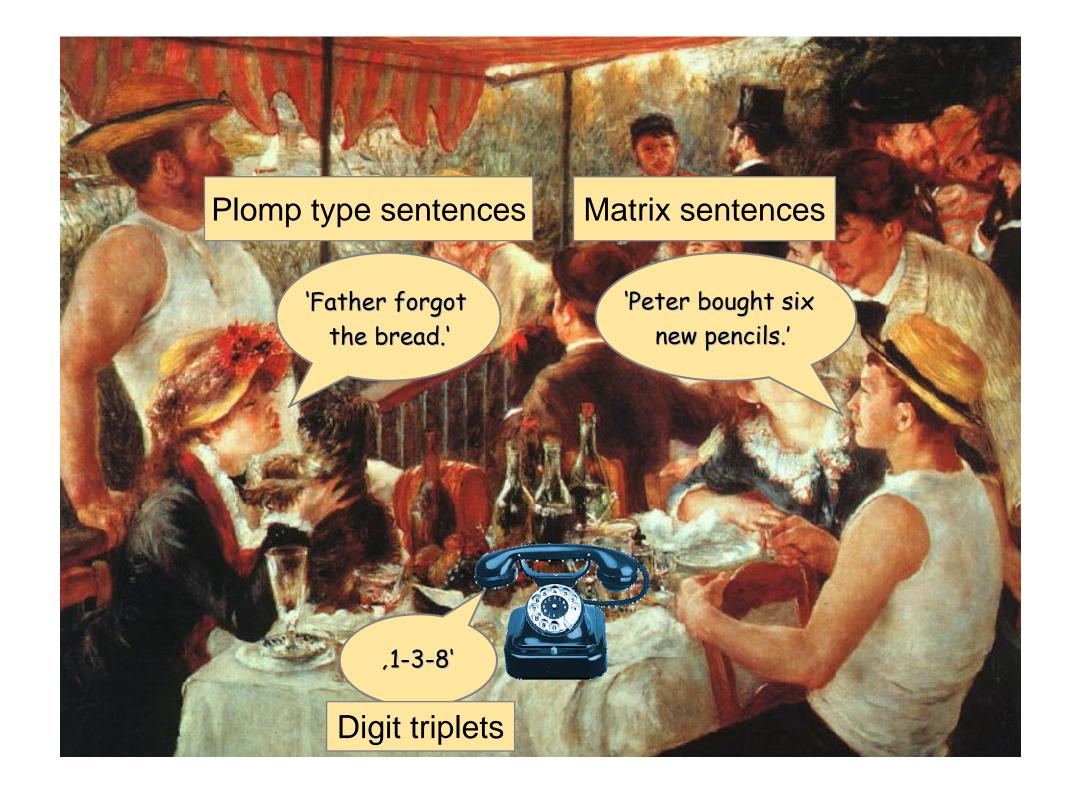












Digit triplet tests

Screening test speech in noise



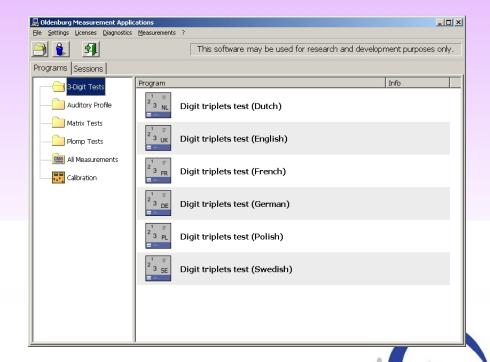
Headphones



Telephone



Internet www.hearcom.eu







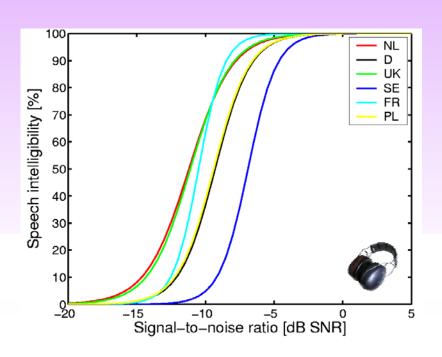


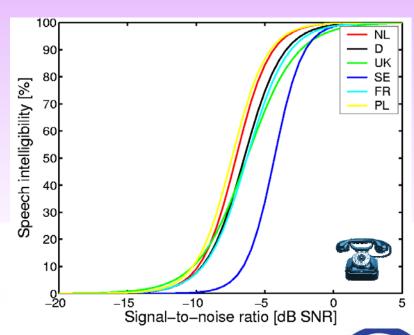




Digit triplet tests

Cross-language comparison















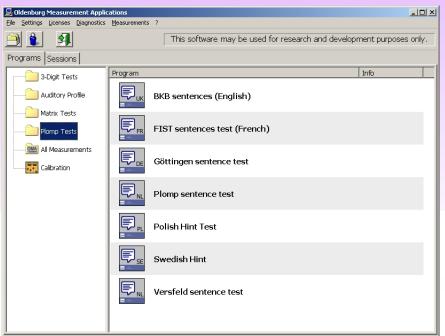


Plomp type sentences

Short meaningful sentences

- No training needed
- Limited test material (cannot be repeated)

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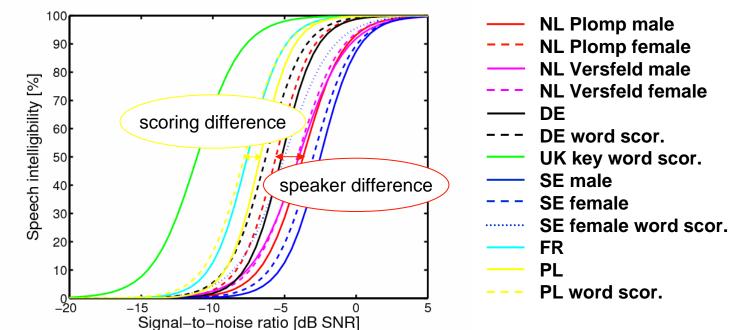






Plomp type sentences

Cross-language comparison









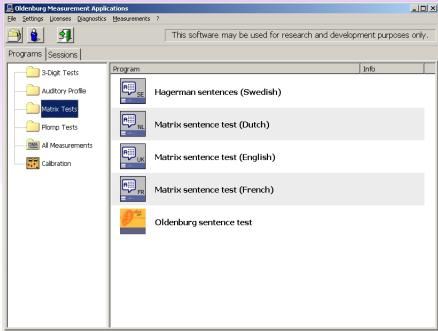




Matrix sentences

Syntactically fixed, semantically nonpredictable sentences

- Training needed
- Unlimited test material (can be repeated)









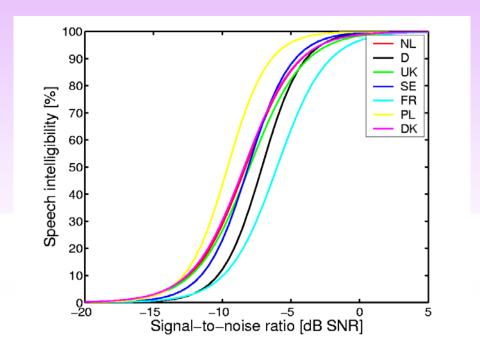
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Matrix sentences

Cross-language comparison















Summary

- Oldenburg Measurement Applications
- Outcome of HearCom:
 18 speech tests are implemented in OMA:
 - 6 languages
 - 9 already available tests
 - 9 tests were also developed/evaluated within HearCom
- These speech tests fulfill the HearCom standard and are therefore highly comparable across languages











Thank you for your attention!













Matrix sentences

Peter	got	three	large	desks
Kathy	sees	nine	small	chairs
Lucy	bought	five	old	shoes
Alan	gives	eight	dark	toys
Rachel	sold	four	thin	spoons
Barry	likes	six	green	mugs
Steven	has	two	cheap	ships
Thomas	kept	ten	pink	rings
Hannah	wins	twelve	red	tins
Nina	wants	some	big	beds











