



Forschungsdatenmanagement Workshop

MAX PLANCK INSTITUTE FOR PSYCHOLINGUISTICS

IT und Bibliothek Infrastruktur am MPI für Psycholinguistik

Reiner Dirksmeyer & Karin Kastens
München, 19. April 2018

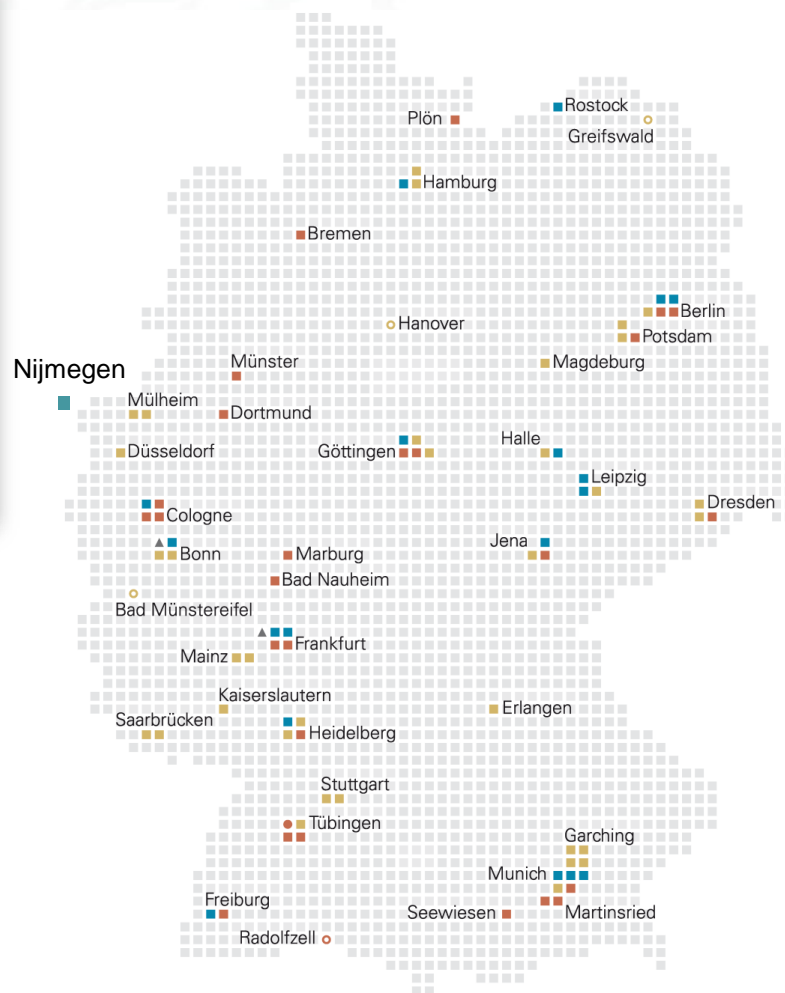
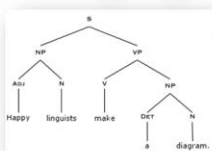


MPI for Psycholinguistics

MAX PLANCK INSTITUTE FOR PSYCHOLINGUISTICS



Founded in 1980: Interdisciplinary research on the nature of language, its implementation in mind & brain



Address fundamental issues at multiple levels, from molecules & cells to circuits & brains, through to behaviour of individuals & populations



Interdisciplinary research

Language and Cognition: Steve Levinson

What is the relationship between language and general cognition?

Language and Genetics: Simon Fisher

Which genes underlie human language, how do they explain its evolution and variability?

Neurobiology of Language: Peter Hagoort

How does the brain support language?

Psychology of Language: Antje Meyer

Which psychological processes underlie listening and speaking?

Language Development: Caroline Rowland

How do children first learn language?

Neurogenetics of Vocal Communication Group: Sonja

Vernes

Can vocal communication in other mammals tell us about the biological basis of human speech and language?



New research member at MPI

New user request form

Fill in important properties:

- Name
- Start **AND** end time
- Who is the host
- Department membership

Sign user regulation

Allow access to **basic resources**:

- Key for entrance and office
- E-Mail
- Intranet page (maxint.mpi.nl)
- Printers
- **File systems**

Introduction talk:

- how to change the password
- how to find resources
- explain Intranet
- how to get help
- how to use **data areas**

Secretary Database
Request for new staff/student assistant

RequestId 3397

Title

* First name

Prefix

* Last name

Gender

Mother tongue

* Postal address

* Email

* Telephone

* Primary scientific function

* Department

* Job description

* Costs to be charged to

* Host

* Contract from

* Contract to

* Contractual position

* Full time

* Hours per week

Working days Monday Tuesday Wednesday Thursday Friday

* Room Number

* Requested equipment or facilities

* Extra software

* Key access

Comment

Creation 11-Apr-2018
CreationBy reiner

[Save data and download Request PDF](#) [Cancel request](#) [Send email & Finish request](#) [Postpone email & Finish request](#)

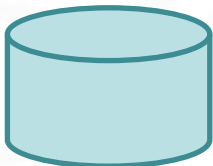
Logon, change default password and start work...



Default file system access

user homes

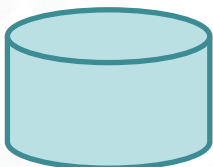
Personal space to store: documents and other data that do not need to be shared (but **no** experiment data!)



Linux: /home/<username>
Windows: K: or U: drive

/usr/local

Read-only space for application, libraries, scripts,...

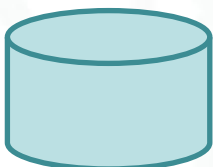


Linux: /usr/local/
Windows: N: drive

MPI-scratch

Space for data exchange, only!

- **no backup!**
- **automatic deletion of files that were not touched for longer than 14 days!**



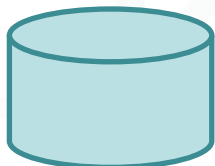
Linux: smb share
Windows: M: drive



Default file system access

workspaces

Read/write access for some shared data areas, only!
Request additional read or write access!



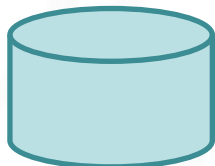
Linux:

/data/workspaces/<dep>/workspaces/<project>

Windows: P: drive

archive

Read-only access, add data via <https://archive.mpi.nl> only!

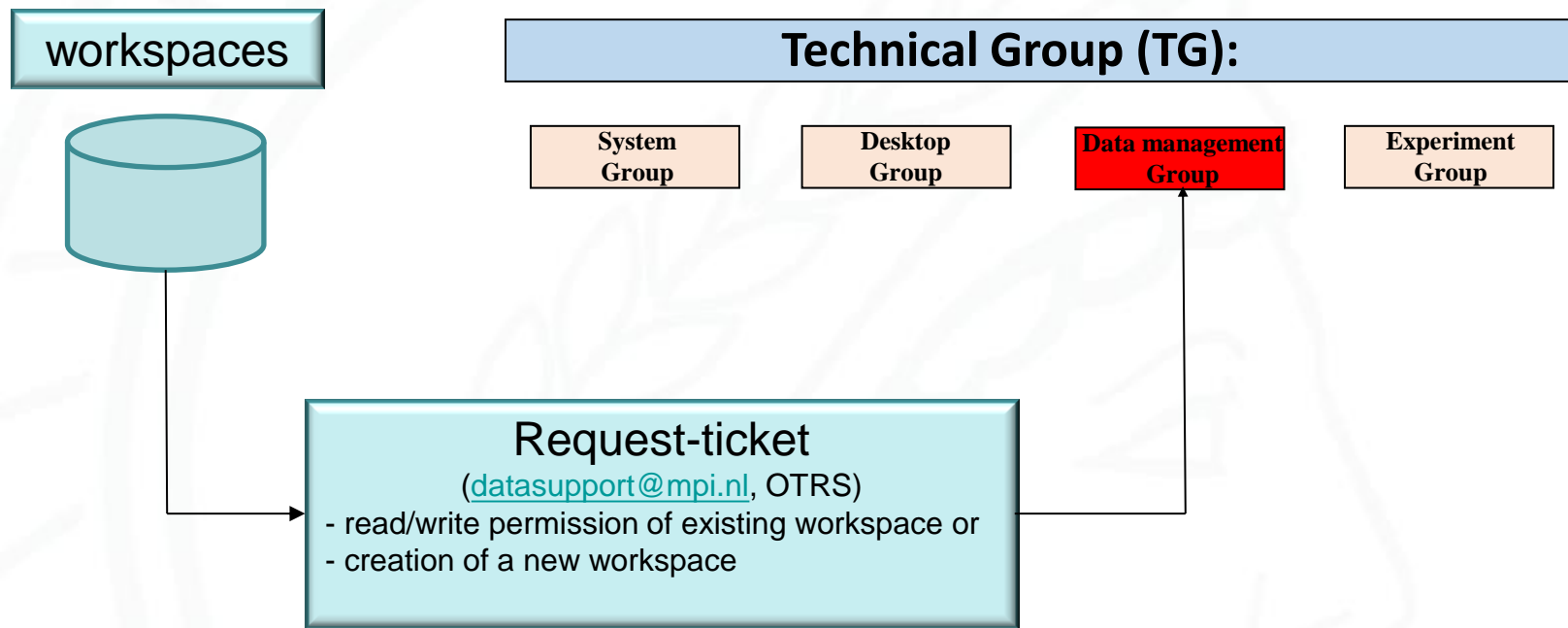


Linux: /data/archive/<dep>/<project>

Windows: P: drive (softlink)



Additional data access: Workspaces



new workspace:
(example)

```
/data/workspaces/ladd/workspaces/ld-evakid/  
administrative/  
archive/ -> /data/archive/ladd_data  
archive_deposit/  
data_support/  
projects/  
README_workspaces.txt
```

```
/data/workspaces/ladd/workspaces/ld-evakid/projects/Play_JA_Gesture_Quinn_Kidd/  
01-planning/  
02-design/  
03-raw_data/  
04-analysis/  
05-dissemination/  
miscellaneous/
```



Additional data access: Workspaces

new workspace:
(example)

```
mkdir -p $wspace/projects/example_project
mkdir $wspace/projects/example_project/01-planning
mkdir $wspace/projects/example_project/01-planning/01-protocol
mkdir $wspace/projects/example_project/01-planning/02-meetings
mkdir $wspace/projects/example_project/01-planning/03-ethics
mkdir $wspace/projects/example_project/01-planning/04-literature
mkdir $wspace/projects/example_project/01-planning/05-old_versions
mkdir $wspace/projects/example_project/02-design
mkdir $wspace/projects/example_project/02-design/01-design
mkdir $wspace/projects/example_project/02-design/02-stimuli
mkdir $wspace/projects/example_project/02-design/02-stimuli/01-combined
mkdir $wspace/projects/example_project/02-design/02-stimuli/02-audio
mkdir $wspace/projects/example_project/02-design/02-stimuli/03-images
mkdir $wspace/projects/example_project/02-design/02-stimuli/04-videos
mkdir $wspace/projects/example_project/02-design/02-stimuli/05-other
mkdir $wspace/projects/example_project/02-design/03-questionnaires
mkdir $wspace/projects/example_project/02-design/04-old_versions
mkdir $wspace/projects/example_project/03-raw_data
mkdir $wspace/projects/example_project/03-raw_data/01-raw_data
mkdir $wspace/projects/example_project/03-raw_data/02-coding_transcripts
mkdir $wspace/projects/example_project/03-raw_data/03-analysis_scripts
mkdir $wspace/projects/example_project/03-raw_data/04-spreadsheets
mkdir $wspace/projects/example_project/04-analysis
mkdir $wspace/projects/example_project/05-dissemination
mkdir $wspace/projects/example_project/05-dissemination/01-conferences
mkdir $wspace/projects/example_project/05-dissemination/02-manuscripts
mkdir $wspace/projects/example_project/05-dissemination/03-publications
mkdir $wspace/projects/example_project/miscellaneous
chown -R corpman:ld$1 $wspace
ln -s /data/archive/ladd_data $wspace/archive
ln -s ../README_workspaces.txt $wspace/README_workspaces.txt
```




Additional data access: Subject DB

Request-ticket
(datasupport@mpi.nl, OTRS)
- access to subject database (**regulation form**)



System Group

<https://www.mpi.nl/ppdb>

Hello reiner Log out

Max Planck Institute for Psycholinguistics
Subject administration V3.2

Access to the subject database

If you wish to recruit participants, you need to register as a Certified User to use the subject database.

To do so, please download the **Certified User Registration form**, read it carefully, sign the form, and take it to the secretary of your department. After consent by the director, the form will be forwarded to the system administrators (AKA Herbert Baumann and Tobias van Valkenhoef), who will act on it and file the document. You should then be able to use the database within a couple of days.

Before you can use the database you should receive a proper training by a supervisor. After that training the supervisor will [add you to certified users](#).

To prevent violating the privacy regulations a new policy is introduced and obligatory to follow from **1-June-16**.

The new policy is as follows:

- Contacting subjects via e-mail must be done inside our subject database. The subject database has a "send e-mail" option.
- In this new database version, it's no longer possible to export lists of e-mail addresses.

Make your choice

- Experiment administration
- Subject selection
- Subjects by experiment
- Experiments by subject
- Unexcused absence / EEG cap size
- Statistics

Contact Info

Questions about this database?
Comments about participants?

Please contact Annelies van Wijngaarden
annelies.vanwijngaarden@mpi.nl
room 370
telephone 232



Additional data access: Subject DB

<https://www.mpi.nl/ppreg>



Goedendag

Max Planck Instituut voor Psycholinguïstiek

Proefpersonenadministratie

Maak Uw keuze

- [Registratie nieuwe proefpersoon \(vanaf 18 jaar\)](#)
- [Uitschrijven](#)
- [Gegevens veranderen](#)
- [Wachtwoord vergeten](#)

Informatie

Voor vragen of opmerkingen kunt u contact opnemen met Annelies van Wijngaarden via:

- 024-3521232
- experimenten@mpi.nl



Additional data access: Lab-Book

Request-ticket
(datasupport@mpi.nl, OTRS)
- access to electronic lab notebook

System Group

Elect. lab-book: E-Notebook from PerkinElmer

History	Date	Operator
Save	05-dec-2013 14:28:19 +0100	Katerina Kucera
Save	29-jul-2013 13:54:31 +0200	Katerina Kucera
Save	17-jul-2013 12:01:01 +0200	Katerina Kucera
Save	17-jul-2013 11:53:31 +0200	Katerina Kucera
Create	17-jul-2013 11:52:51 +0200	Katerina Kucera



Archiving data

MAX PLANCK INSTITUTE FOR PSYCHOLINGUISTICS

The Language Archive Home Browse by ELAN TLA website Contact Login

Search

- Browse Archive

Welcome to The Language Archive

The Language Archive provides access to archival resources at the Max Planck Institute for Psycholinguistics, including:

- The MPI for Psycholinguistics Archive: archived resources from the research conducted at the various departments and research groups of the MPI for Psycholinguistics.
- Data from researchers working on a wide range of languages throughout the world, including the DOBES archive, much of which is inscribed on the UNESCO Memory of the World register.

The archive contains various types of materials, including: audio and video language corpus data from languages around the world; photographs, notes, experimental data, and other relevant information required to document and describe languages and how people use them; records of speech in everyday interactions in families and communities; naturalistic data from adult conversations from endangered and under-studied languages, and linguistic phenomena: experimental stimuli and data.

Not all archived materials are openly accessible. For some materials, you need to be logged in as a user. For other materials, access needs to be requested first. Please use the contact form to request access to certain materials.

Note: this is a first version of the new repository software at The Language Archive, see this page for more information. Some functionality of the previous archive browser (such as access level indications) is still missing and will be added in future updates. Also, preview copies of media files and images are being re-generated and will gradually become available.

Note for depositors: we are soft launching the deposit part of the new system with a selected number of users. If you need to deposit something very urgently, please contact us.

Privacy Policy
Terms of Use

The Language Archive
Max Planck Institute for Psycholinguistics
Wundtlaan 1
6525XD Nijmegen
The Netherlands

The Language Archive Home Browse by ELAN TLA website Contact Login

Search

- Browse Archive

The Language Archive

DOBES Archive
The DOBES programme was a funding programme by the VolkswagenFoundation for the documentation of endangered languages. The DOBES archive is hosted at the MPI for Psycholinguistics and contains language documentation corpora from 68 documentation projects, covering more than 100 different languages from around the world. See the DOBES website for more information about the funding programme and the various documentation and research projects: <http://dobes.mpi.nl>

Language Collections
Various language corpora such as the Dutch Bilingualism Database, the ESF second language acquisition corpus, the Film Archive of Human Ethology, the CGN spoken Dutch corpus, the Nijmegen Corpora of Casual Speech, the Corpus NGT (Dutch Sign Language) and many others.

MPI-PL Archive
Data collections from the various (current & former) departments and research groups of the Max Planck Institute for Psycholinguistics.

Filters

Contributor

- Sotaro Kita (4254) +-
- Amanda Brown (3510) +-
- Kurt Kreppner (2914) +-
- Shanley Allen (2478) +-
- Mihoko Fujii (1899) +-
- Asli Ozyurek (1644) +-
- Reyhan Turanlı (1609) +-
- Barbara Schmietova (1536) +-
- Penelope Brown (1364) +-
- Family (1326) +-

Show more

Language

- Dutch (18204) +-
- German (8425) +-
- English (7971) +-
- japanese (4007) +-
- Turkish (3580) +-



The Language Archive Home Browse by ELAN TLA website Contact Login

Search

- Browse Archive

ARCHIVE / MPI-PL ARCHIVE

MPI-PL Archive

Acquisition

Adaptive Listening Group

Communication Before Language

Comparative cognitive anthropology

Comprehension

Evolutionary Processes in Language and Culture

Language Development

Language and Cognition
This is the LAC (Language and Cognition) corpus which contains spontaneous, elicited and experimental language data.

Language and Genetics

Filters

Contributor

- Sotaro Kita (4254) +-
- Amanda Brown (3510) +-
- Shanley Allen (2478) +-
- Mihoko Fujii (1899) +-
- Asli Ozyurek (1644) +-
- Reyhan Turanlı (1609) +-
- Barbara Schmietova (1536) +-
- Penelope Brown (1364) +-
- Family (1326) +-
- Kaoru Sugahara (1256) +-

Show more

Language

- German (5131) +-
- English (4605) +-
- Japanese (4007) +-
- Dutch (3175) +-
- Turkish (3158) +-
- Zeitl, Tenejapa (1412) +-
- Turkish Sign Language (1231) +-
- infant babbling (1157) +-
- mother speech (1157) +-
- Yell Drye (1107) +-

Show more

Country

- Germany (5406) +-
- Unspecified (5324) +-
- Netherlands (4897) +-
- Turkey (4565) +-



Archiving data



- [Add content](#) ▾
- [Browse the whole archive](#)
- [My bookmarks](#)

Add content

Bundle

A bundle of one or more data files

Collection

A container node for subcollections and bundles

[ADD CONTENT](#) / [CREATE COLLECTION](#)

Create Collection

Title *

Fedora commons ID

Status of the collection *

Exception

NID of the parent of this node

Fedora commons ID of super collection node

✓ Save

Preview



Archiving data

[ADD CONTENT](#) / [CREATE BUNDLE](#)

Create Bundle

Title *

Test FDM

Parent collection

unassigned

Access policies for files within the bundle *

private

Type of bundle *

Newly created content

Is the bundle newly created or is an existing bundle updated?

How will you provide the metadata for this bundle? *

Enter it using a form

How will you provide the files to be included in this bundle? *

Select a folder in an MPI Workspace on the server

Select the workspace folder within the departments' project folder containing the data for this bundle

Department

- language and Cognition
- language Development
- language and Genetics
- Neurobiology of Language
- Neurogenetics of Vocal Communication
- Psychology of Language
- Technical group

Project

te-reiner

currently selected archive directory:

`[Workspaces]/tg/workspaces/tg-reiner/archive_deposit`

✓ Save



Archiving data: Metadata template

Collection Form

View **Activate** Add collection **Update**

Owner of the collection *
reiner@mpi.nl

Which metadata profile do you want to use? *
MPI Collection

Which access policy do you want to apply? *
public

Hide metadata of this collection

Collection title *
Test_FDM

Data Type *
EEG data

+ Add Data Type

Research Discipline *
Language Development

+ Add Research Discipline

Collection creation date *
Apr 16 2018

Descriptions

Description

Description *

+ Add Description

Contributors

Contributor

Name *

Role *
- Select -

+ Add Role **+ Add Email Address** **+ Add ORCID**

+ Add Contributor



Archiving data: Metadata template

Institutions

Institution

+ Add Department

Organisation *

+ Add Organisation + Add URL

+ Add Institution

Projects

Project

Project Name *

Project Description *

+ Add Project Identifier + Add URL

+ Add Project

Content Languages

+ Add Content Language

Locations

+ Add Location

Publications

+ Add Publication

Licences

+ Add Licence

Submit



Archiving data: Example

ARCHIVE / MPI-PL ARCHIVE / PSYCHOLOGY OF LANGUAGE / HOWARD DIALOGUE

Howard Dialogue



Analysis Behavioral



Analysis Description



Experimental setup



Procedure



Publication



Raw data behavioral



Stimuli

Details

Persistent Identifier

<https://hdl.handle.net/1839/00-98858E1B-00C8-4DDB-8914-A275C8ACD9FC>

Detailed Metadata

 [lat-corpora](#)



Research member leaves the MPI

Leaving workflow:

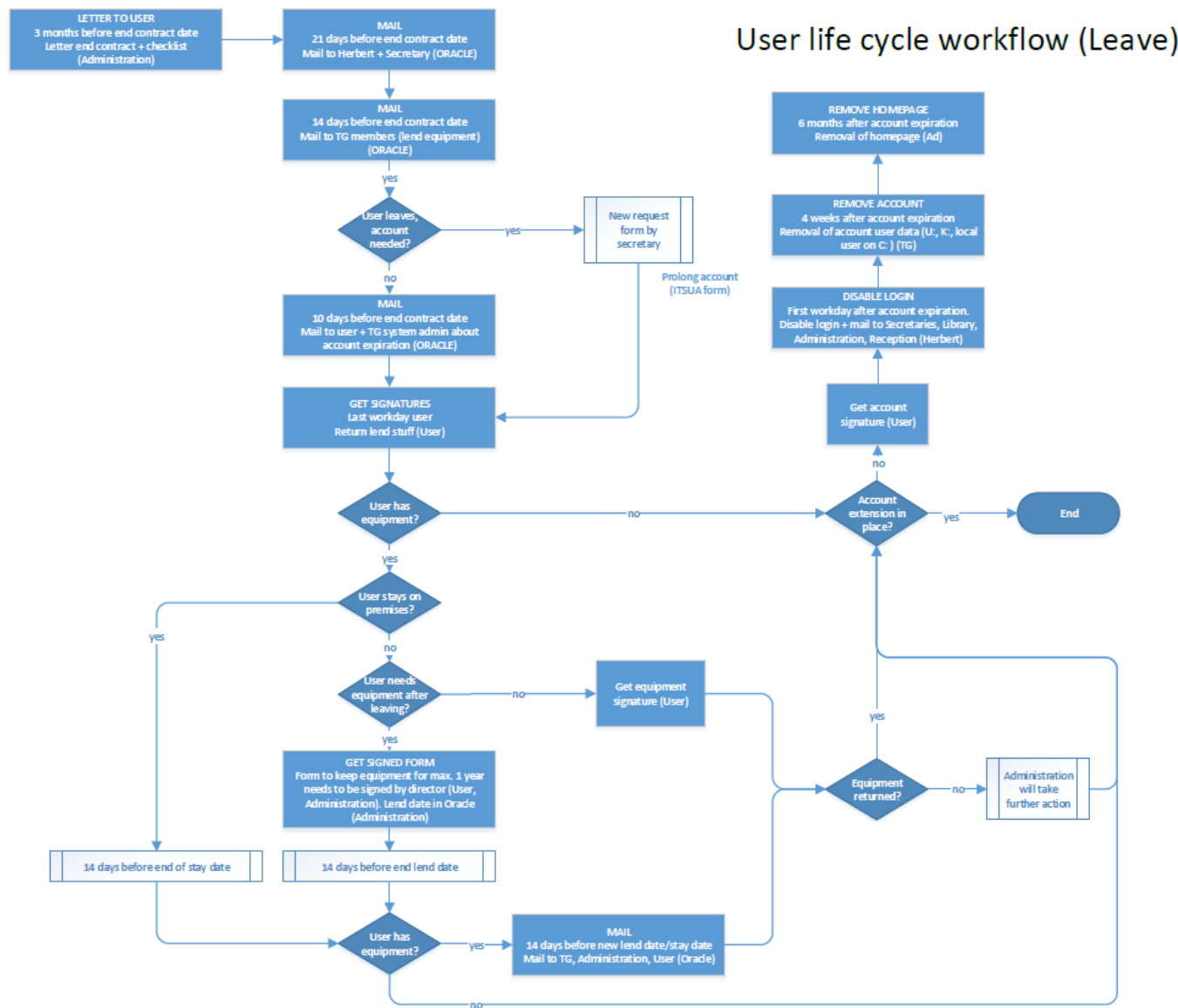
- 3 month before end: letter to user
- 21 days before end: e-mail to secretary and sys-admin
- 14 days before end: e-mail to TG: any lend equipment
- 10 days before expiration: e-mail warning that account will expire
- extension of contract or account?
- **no**: return equipment and clean-up data (sign form), disable login, 4 weeks later: remove account data, 6 month later: remove homepage

Data archived?

- responsibility of host, department, ...



Research member leaves the MPI



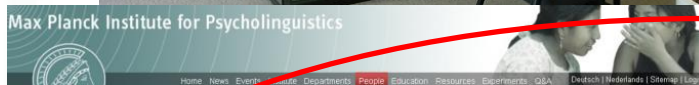


Bibliothek im Publikationsprozess



Wissenschaftliche Institutsbibliothek

MAX PLANCK INSTITUTE FOR PSYCHOLINGUISTICS



Simon E. Fisher - Publications

in press

- De Kovel, C. G. F., & Fisher, S. E. (in press). Molecular genetic methods. In A. M. B. De Groot, & P. Hagoot (Eds.), *Research methods in psycholinguistics: A practical guide*. Hoboken: Wiley-Blackwell.

2017

- Acuna-Hidalgo, R., Dertziotis, P., Steehouwer, M., Gillissen, C., Graham, S. A., Van Dam, S., Hoover-Fong, J., Telegari, A. B., Destra, A., Smirgel, R., Lambie, L. A., Kayserli, H., Abunogu, U., Lapi, E., Uziel, M. L., Aracena, M., Nur, B. G., Mhici, E., Moreira, L. M. A., Ferreira, V. B., and 25 others. (2017). Overlapping SETBP1 gain-of-function mutations in Schizel-Giedion syndrome and hematoic malignancies. *PLoS Genetics*. 13: e1005683. doi:10.1371/journal.pgen.1005683

Simon E. Fisher
Max Planck Institute for Psycholinguistics
PO Box 310
6500 KH Hagen
The Netherlands
Phone: +31-24-3521441

https://twitter.com/MPI_NL/status/985910126505754624

MaxPlanck-Psycholinguistics @MPI_NL

out in print: @bstpourcain et al., 'Developmental changes within the genetic architecture of social communication behaviour: A multivariate study of genetic variance in unrelated individuals' doi.org/10.1016/j.biop

5:57 PM - 16 Apr 2018

Lib Home

Library Homepage

Catalog, Publication Repository, Website publication lists, Citation analysis, Interlibrary loan, Open Access, ebooks,

Main entry points

Catalogs

- Library Catalog
- ebooks, eJournal
- Login information
- New Books
- Primo Central

TRIALS

- Treasury of Linguistics
- ResearchConnect Germany (until Oct 23rd, 2017)
- gaFindr (access to open PDFs)



MPG. PuRe

Publication Repository

START MY ITEMS WORKSPACES SUBMISSION BASKET (0) TOOLS

QA Workspace

10470 Items (descending sorted by Modification Date)

State	Review of "Bilingualism in development: Language, literacy and cognition by Ellen...
Released	<p>More</p> <p>Creators: Hwang, M. Published in Print: 2002 Genre: Journal Article Files: - Locators: -</p>
Released	<p>More</p> <p>Creators: Hartung, Franziska; Withers, Peter; Hagoot, Peter; Wilms, Rolf M. Accepted: 2017 Published Online: 2017-09-20 Genre: Journal Article Files: 1 File Locators: 1 Locator</p>
Released	<p>More</p> <p>Creators: Ravey, Limor; Arnon, Itzhak Accepted: 2017 Published Online: 2017 Genre: Journal Article Files: 1 File Locators: 1 Locator</p>
Released	<p>More</p> <p>Creators: Klein, W.; Perdue, C. Published in Print: 1992 Genre: Book Files: -</p>

Publication listings on Website - Repository

- MPG.PuRe - (Pubman) our Repository - (Info)

Grant Funding Information



Description of Library tasks

The MPI library supports the researchers in all their information needs. The collection closely follows the Institute's research. We **provide access** to

- 40.000 printed books
- 85.000 online journals (MPG-wide licenses plus dozens of locally licensed e-journals aimed at our research)
- 700.000 eBooks via MPG-wide licenses plus dozens of locally licensed eBooks requested by our staff

Document delivery via interlibrary loan, mostly from Dutch, German, or UK university libraries or other Max Planck libraries, is very fast.

Open Access support

The Max Planck Society has central agreements in order to cover Article Processing Charges (APCs) on behalf of Max Planck authors, e.g. for Frontiers journals, PLoS journals, BMC, Springer, Taylor & Francis journals. The librarians advise and help with questions regarding Open Access (fees).

Publication Management

Our library provides up to date publication lists on the institute's website (personal and departmental pages) via our publication repository MPG.PuRe.

The librarians support the researcher with **citation analysis** to measure impact factors.



MPG.PuRe

- Publication repository of the MPG
- MPIPL nutzt es seit 2009 (early adopter)
- 2009: 2400 publications items
- 2018: 10862 items (16.4.2018)
 - items: Publikationen, Poster, Talks, Teaching
- 4 collections:
 - MPI publications (with MPI affiliation)
 - Import collection from former repository (with MPI affiliation)
 - Non MPI publications by MPI staff
 - A collection of literature on the History of Psycholinguistics





MPG.PuRe und mpi.nl

Incentive om Publikationen abzulegen auf MPG.PuRe

MPI publications (with MPI affiliation):

– 2009-2018:

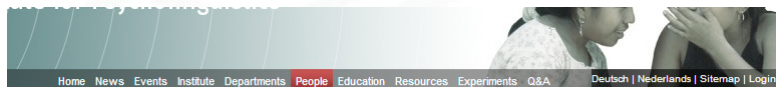
- 5934 items (Aufsätze, Buchkapitel, Poster,..)
- 3200 mit Volltexten! = 54 %

– 2016-2018 :

- 396 Zeitschriftenaufsätze
 - 148 **Gold Open Access** = 38%
 - 240 **Grüne Volltexte** auf www.mpi.nl via MPG.PuRe



Publications on MPI.NL



You are here: Home → People → Peter Hagoort → Publications

Peter Hagoort - Publications



Peter Hagoort
Max Planck Institute for Psycholinguistics
PO Box 310
6500 AH Nijmegen
The Netherlands
Phone:
+31-24-3521301
Fax:
+31-24-3521213

in press

- Hagoort, P. (in press). It is the facts, stupid. In J. Brockmann (Ed.), What do you consider the most interesting recent [scientific] news? What makes it important?. Palmyra, VA: Maven Press.

2018

- De Groot, A. M. B., & Hagoort, P. (Eds.). (2018). Research methods in psycholinguistics and the neurobiology of language: A practical guide. Oxford: Wiley.
- Heyselaar, E., Mazaheri, A., Hagoort, P., & Segaert, K. (2018). Changes in alpha activity reveal that social opinion modulates attention allocation during face processing. *NeuroImage*, 174, 432-440. doi:10.1016/j.neuroimage.2018.03.034. [more >](#)
- Lam, N. H. L., Hulten, A., Hagoort, P., & Schoffelen, J.-M. (2018). Robust neuronal oscillatory entrainment to speech displays individual variation in lateralisation. *Language, Cognition and Neuroscience*. Advance online publication. doi:10.1080/23273798.2018.1437456. [more >](#)
- Segaert, K., Mazaheri, A., & Hagoort, P. (2018). Binding language: Structuring sentences through precisely timed oscillatory mechanisms. *European Journal of Neuroscience*. Advance online publication. doi:10.1111/ejn.13816. [more >](#)
- Tromp, J., Peeters, D., Meyer, A. S., & Hagoort, P. (2018). The combined use of Virtual Reality and EEG to study language processing in naturalistic environments. *Behavior Research Methods*, 50(2), 862-869. doi:10.3758/s13428-017-0911-9. [more >](#)
- Vanlangendonck, F., Takashima, A., Willems, R. M., & Hagoort, P. (2018). Distinguishable memory retrieval networks for collaboratively and non-collaboratively learned information. *Neuropsychologia*, 111, 123-132. doi:10.1016/j.neuropsychologia.2017.12.008. [more >](#)

2017

- Dai, B., McQueen, J. M., Hagoort, P., & Kösem, A. (2017). Pure linguistic interference during comprehension of competing speech signals. *The Journal of the Acoustical Society of America*, 141, EL249-EL254. doi:10.1121/1.4977590. [more >](#)
- Eichert, N., Peeters, D., & Hagoort, P. (2017). Language-Driven Anticipatory Eye Movements in Virtual Reality. *Behavior Research Methods*. Advance online publication. doi:10.3758/s13428-017-0929-z. [more >](#)
- Franken, M. K., Acheson, D. J., McQueen, J. M., Eisner, F., & Hagoort, P. (2017). Individual variability as a window on production-perception interactions in

<http://www.mpi.nl/publications/escidoc-2564103>

Journal articles



Heyselaar, E., Mazaheri, A., Hagoort, P., & Segaert, K. (2018). Changes in alpha activity reveal that social opinion modulates attention allocation during face processing. *NeuroImage*, 174, 432-440. doi:10.1016/j.neuroimage.2018.03.034.

Participants' performance differs when conducting a task in the presence of a secondary individual, moreover the opinion the participant has of this individual also plays a role. Using EEG, we investigated how previous interactions with, and evaluations of, an avatar in virtual reality subsequently influenced attentional allocation to the face of that avatar. We focused on changes in the alpha activity as an index of attentional allocation. We found that the onset of an avatar's face whom the participant had developed a rapport with induced greater alpha suppression. This suggests greater attentional resources are allocated to the interacted-with avatars. The evaluative ratings of the avatar induced a U-shaped change in alpha suppression, such that participants paid most attention when the avatar was rated as average. These results suggest that attentional allocation is an important element of how behaviour is altered in the presence of a secondary individual and is modulated by our opinion of that individual.

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Christina Bergmann

How do infants build their lexicon?
Typically, we test the infant or investigate mother-infant interaction. My research aims to look at the bigger picture, tracing differences in individual abilities to recognize and learn words back to infants' everyday environment and the people that shape them (next to the child), the parents. Questions I ask include: Does it matter in what setting children grow up? How to parent and infant temperament interact in communicative contexts? (Why) Do infants differ in which aspects of their input they pay most attention to and learn from?

My research program combines various methods from different disciplines: I use eye tracking to measure infants' knowledge and processing and questionnaires and semi-structured interviews along with corpus analyses to better understand their environment. I supplement these methods that are very close to the participant with meta-analyses and computational modeling to get a better idea of the big picture.

Email: Christina.Bergmann@mpi.nl
Function: Research Staff
Member of: Language Development Department

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Christina Bergmann
Max Planck Institute for Psycholinguistics
PO Box 310
9500 AH Nijmegen
The Netherlands
Phone:
+31-24-3521447
Fax:
+31-24-3521213

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2018

- Bergmann, C., & Cristia, A. (2018). Environmental influences on infants' native vowel discrimination: The case of talker number in daily life. *Infancy: Advance online publication*. doi:10.1111/infia.12232. [more >](#)

2017


- Bergmann, C., Tsuji, S., & Cristia, A. (2017). Top-down versus bottom-up theories of phonological acquisition: A big data approach. In *Proceedings of Interspeech 2017* (pp. 2103-2107). [more >](#)
- Black, A., & Bergmann, C. (2017). Quantifying infants' statistical word segmentation: A meta-analysis. In G. Gunzelmann, A. Howes, T. Tenbrink, & E. Davelaar (Eds.), *Proceedings of the 39th Annual Meeting of the Cognitive Science Society* (pp. 124-129). Austin, TX: Cognitive Science Society. [more >](#)
- Frank, M. C., Bergelson, E., Bergmann, C., Cristia, A., Floccia, C., Gervain, J., Hamlin, J. K., Hannon, E. E., Kline, M., Levett, C., Lew-Williams, C., Nazzi, T., Panneton, R., Rabagliati, H., Soderstrom, M., Sullivan, J., Waxman, S., & Yurovsky, D. (2017). A collaborative approach to infant research: Promoting reproducibility, best practices, and theory-building. *Infancy*, 22(4), 421-435. doi:10.1111/infia.12182. [more >](#)

2016

- Bergmann, C., & Cristia, A. (2016). Development of infants' segmentation of words from native speech: a meta-analytic approach. *Developmental Science*, 19(6), 901-917. doi:10.1111/desc.12341. [more >](#)
- Bergmann, C., Cristia, A., & Dupoux, E. (2016). Discriminability of sound contrasts in the face of speaker variation quantified. In *Proceedings of the 38th Annual Conference of the Cognitive Science Society* (pp. 1331-1336). Austin, TX: Cognitive Science Society. [more >](#)

2015

- Bergmann, C., Bosch, L. T., Fikkert, P., & Boves, L. (2015). Modelling the Noise-Robustness of Infants' Word Representations: The Impact of Previous Experience. *PLoS One*, 10(7), e0132245. doi:10.1371/journal.pone.0132245. [more >](#)



Christina Bergmann
Max Planck Institute for Psycholinguistics
PO Box 310
6500 AH Nijmegen
The Netherlands
Phone: +31-24-3521447
Fax: +31-24-3521213

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2018

- Bergmann, C., & Cristia, A. (2018). Environmental influences on infants' native vowel discrimination: The case of talker number in daily life. *Infancy: Advance online publication*. doi:10.1111/infia.12232. [more >](#)
- Bögels, S., Casillas, M., & Levinson, S. C. (2018). Planning versus comprehension in turn-taking: Fast responders show reduced anticipatory processing of the question. *Neuropsychologia*, 109, 295-310. doi:10.1016/j.neuropsychologia.2017.12.028. [more >](#)
- Floccia, C., Sambrook, T. D., Delle Luche, C., Kwok, R., Goslin, J., White, L., Cattani, A., Sullivan, E., Abbott-Smith, K., Krott, A., Mills, D., Rowland, C. F., Gervain, J., & Plunkett, K. (2018). Vocabulary of 2-year-olds learning English and an additional language: Norms and effects of linguistic distance. *Hoboken: Wiley*. [more >](#)
- Kidd, E., Donnelly, S., & Christiansen, M. H. (2018). Individual differences in language acquisition and processing. *Trends in Cognitive Sciences*, 22(2), 154-169. doi:10.1016/j.tics.2017.11.006. [more >](#)

2017

- Abbott-Smith, K., Chang, F., Rowland, C. F., Ferguson, H., & Pine, J. (2017). Do two and three year old children use an incremental first-NP-as-agent bias to process active transitive and passive sentences? A permutation analysis. *PLoS One*, 12(10), e0186129. doi:10.1371/journal.pone.0186129. [more >](#)
- Casillas, M., Amatuni, A., Seidl, A., Soderstrom, M., Warlaumont, A., & Bergelson, E. (2017). What do Babies hear? Analyses of Child- and Adult-Directed Speech. In *Proceedings of Interspeech 2017* (pp. 2093-2097). doi:10.21437/Interspeech2017-1409. [more >](#)
- Casillas, M., Bergelson, E., Warlaumont, A. S., Cristia, A., Soderstrom, M., VanDam, M., & Sletjes, H. (2017). A New Workflow for Semi-automatized Annotations: Tests with Long-Form Naturalistic Recordings of Childrens Language Environments. In *Proceedings of Interspeech 2017* (pp. 2098-2102). doi:10.21437/Interspeech2017-1418. [more >](#)
- Jones, G., & Rowland, C. F. (2017). Diversity not quantity in caregiver speech: Using computational modeling to isolate the effects of the quantity and the diversity of the input on vocabulary growth. *Cognitive Development*, 68, 1-14. [more >](#)

Language Development Department

Street address
Wundtlaan 1
6525 XD Nijmegen
The Netherlands

Mailing address
P.O. Box 310
6500 AH Nijmegen
The Netherlands

Phone: +31 24 3521454

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2015

- Hintz, F., & Meyer, A. S. (2015). Prediction and production of simple mathematical equations: Evidence from anticipatory eye movements. *PLoS One*, 10(7): e0130766. doi:10.1371/journal.pone.0130766. [more >](#)
- Jongman, S. R., Meyer, A. S., & Roelofs, A. (2015). The role of sustained attention in the production of conjoined noun phrases: An individual differences study. *PLoS One*, 10(9): e0137557. doi:10.1371/journal.pone.0137557. [more >](#)
- Jongman, S. R., Roelofs, A., & Meyer, A. S. (2015). Sustained attention in language production: An individual differences investigation. *Quarterly Journal of Experimental Psychology*, 68, 710-730. doi:10.1080/17470218.2014.964736. [more >](#)
- Moers, C., Janse, E., & Meyer, A. S. (2015). Probabilistic reduction in reading aloud: A comparison of younger and older adults. In M. Wolters, J. Livingstone, B. Beattie, R. Smith, M. MacMahon, J. Stuart-Smith, & J. Scobbie (Eds.), *Proceedings of the 18th International Congress of Phonetic Sciences [ICPhS 2015]*. London: International Phonetics Association. [more >](#)
- Rommers, J., Meyer, A. S., & Huettig, F. (2015). Verbal and nonverbal predictors of language-mediated anticipatory eye movements. *Attention, Perception, & Psychophysics*, 77(3), 720-730. doi:10.3758/s13414-015-0873-x. [more >](#)
- Schuerman, W., Meyer, A. S., & McQueen, J. M. (2015). Do we perceive others better than ourselves? A perceptual benefit for noise-vocoded speech produced by an average speaker. *PLoS One*, 10(7): e0129731. doi:10.1371/journal.pone.0129731. [more >](#)
- Sjerps, M. J., & Meyer, A. S. (2015). Variation in dual-task performance reveals late initiation of speech planning in turn-taking. *Cognition*, 136, 304-324. doi:10.1016/j.cognition.2014.10.008. [more >](#)
- Tromp, J., Hagoort, P., & Meyer, A. S. (2015). Pupillometry reveals increased pupil size during indirect request comprehension. *Quarterly Journal of Experimental Psychology*. Advance online publication. doi:10.1080/17470218.2015.1065282. [more >](#)
- Veenstra, A., Meyer, A. S., & Acheson, D. J. (2015). Effects of parallel planning on agreement production. *Acta Psychologica*, 162, 29-39. doi:10.1016/j.actpsy.2015.09.011. [more >](#)

2014

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Journal articles

Hintz, F., & Meyer, A. S. (2015). Prediction and production of simple mathematical equations: Evidence from anticipatory eye movements. *PLoS One*, 10(7): e0130766. doi:10.1371/journal.pone.0130766.

The relationship between the production and the comprehension systems has recently become a topic of interest for many psycholinguists. It has been argued that these systems are tightly linked and in particular that listeners use the production system to predict upcoming content. In this study, we tested how similar production and prediction processes are in a novel version of the visual world paradigm. Dutch speaking participants (native speakers in Experiment 1; German-Dutch bilinguals in Experiment 2) listened to mathematical equations while looking at a clock face featuring the numbers 1 to 12. On alternating trials, they either heard a complete equation ("three plus eight is eleven") or they heard the first part ("three plus eight is") and had to produce the result ("eleven") themselves. Participants were encouraged to look at the relevant numbers throughout the trial. Their eye movements were recorded and analyzed. We found that the participants' eye movements in the two tasks were overall very similar. They fixated the first and second number of the equations shortly after they were mentioned, and fixated the result number well before they named it on production trials and well before the recorded speaker named it on comprehension trials. However, all fixation latencies were shorter on production than on comprehension trials. These findings suggest that the processes involved in planning to say a word and anticipating hearing a word are quite similar, but that people are more aroused or engaged when they intend to respond than when they merely listen to another person.

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

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Prediction and production of simple mathematical equations: Evidence from anticipatory eye movements

Hintz, F., & Meyer, A. S. (2015). Prediction and production of simple mathematical equations: Evidence from anticipatory eye movements. *PLoS One*, 10(7): e0130766. doi:10.1371/journal.pone.0130766.

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Journal articles



Hintz, F., & Meyer, A. S. (2015). Prediction and production of simple mathematical equations: Evidence from anticipatory eye movements. *PLoS One*, 10(7): e0130766. doi:10.1371/journal.pone.0130766.

The relationship between the production and the comprehension systems has recently become a topic of interest for many psycholinguists. It has been argued that these systems are tightly linked and in particular that listeners use the production system to predict upcoming content. In this study, we tested how similar production and prediction processes are in a novel version of the visual world paradigm. Dutch speaking participants (native speakers in Experiment 1; German-Dutch bilinguals in Experiment 2) listened to mathematical equations while looking at a clock face featuring the numbers 1 to 12. On alternating trials, they either heard a complete equation ("three plus eight is eleven") or they heard the first part ("three plus eight is") and had to produce the result ("eleven") themselves. Participants were encouraged to look at the relevant numbers throughout the trial. Their eye movements were recorded and analyzed. We found that the participants' eye movements in the two tasks were overall very similar. They fixated the first and second number of the equations shortly after they were mentioned, and fixated the result number well before they named it on production trials and well before the recorded speaker named it on comprehension trials. However, all fixation latencies were shorter on production than on comprehension trials. These findings suggest that the processes involved in planning to say a word and anticipating hearing a word are quite similar, but that people are more aroused or engaged when they intend to respond than when they merely listen to another person.

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2017

- Jongman, S. R. (2017). Sustained Attention Ability Affects Simple Picture Naming. *Collabra: Psychology*, 3(1): 17. doi:10.1525/collabra.84. [more >](#)
- Jongman, S. R., & Meyer, A. S. (2017). To plan or not to plan: Does planning for production remove facilitation from associative priming? *Acta Psychologica*, 181, 40-50. doi:10.1016/j.actpsy.2017.10.003. [more >](#)
- Kunert, R., & Jongman, S. R. (2017). Entrainment to an auditory signal: Is attention involved? *Journal of Experimental Psychology: General*, 146(1), 77-88. doi:10.1037/xge0000246. [more >](#)

2016

- Jongman, S. R. (2016). Sustained attention in language production. PhD Thesis, Radboud University Nijmegen, Nijmegen. [more >](#)
- Jongman, S. R., Roelofs, A., Scheper, A., & Meyer, A. S. (2016). Picture naming in typically developing and language impaired children: The role of sustained attention. *International Journal of Language & Communication Disorders*. Advance online publication. doi:10.1111/1460-6984.12275. [more >](#)

2015

- Jongman, S. R., Meyer, A. S., & Roelofs, A. (2015). The role of sustained attention in the production of conjoined noun phrases: An individual differences study. *PLoS One*, 10(9): e0137557. doi:10.1371/journal.pone.0137557. [more >](#)
- Jongman, S. R., Roelofs, A., & Meyer, A. S. (2015). Sustained attention in language production: An individual differences investigation. *Quarterly Journal of Experimental Psychology*, 68, 710-730. doi:10.1080/17470218.2014.964736. [more >](#)



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Journal articles



Jongman, S. R., Meyer, A. S., & Roelofs, A. (2015). The role of sustained attention in the production of conjoined noun phrases: An individual differences study. *PLoS One*, 10(9): e0137557. doi:10.1371/journal.pone.0137557.

It has previously been shown that language production, performed simultaneously with a nonlinguistic task, involves sustained attention. Sustained attention concerns the ability to maintain alertness over time. Here, we aimed to replicate the previous finding by showing that individuals call upon sustained attention when they plan single noun phrases (e.g., "the carrot") and perform a manual arrow categorization task. In addition, we investigated whether speakers also recruit sustained attention when they produce conjoined noun phrases (e.g., "the carrot and the bucket") describing two pictures, that is, when both the first and second task are linguistic. We found that sustained attention correlated with the proportion of abnormally slow phrase-production responses. Individuals with poor sustained attention displayed a greater number of very slow responses than individuals with better sustained attention. Importantly, this relationship was obtained both for the production of single phrases while performing a nonlinguistic manual task, and the production of noun phrase conjunctions in referring to two spatially separated objects. Inhibition and updating abilities were also measured. These scores did not correlate with our measure of sustained attention, suggesting that sustained attention and executive control are distinct. Overall, the results suggest that planning conjoined noun phrases involves sustained attention, and that language production happens less automatically than has often been assumed.

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The Role of Sustained Attention in the Production of Conjoined Noun Phrases

23.08.2015, 15:45 by [Suzanne Jongman](#)

Includes raw data (zip files - see RawData.txt for more information), the files used for analyses (see ReadMe.txt for more information), a description of the analyses performed (Analyses.txt) and a list of the stimuli used in the picture description tasks.

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1

CATEGORIES

- Applied Psychology
- Language

KEYWORD(S)

Picture Naming attention

LICENCE

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Example with MPG archive Edmond

<http://www.mpi.nl/people/meyer-antje/publications>

<http://www.mpi.nl/publications/escidoc-2166269>

2015

- Hintz, F., & Meyer, A. S. (2015). Prediction and production of simple mathematical equations: Evidence from anticipatory eye movements. *PLoS One*, 10(7): e0130766. doi:10.1371/journal.pone.0130766. [more >](#)
- Jongman, S. R., Meyer, A. S., & Roelofs, A. (2015). The role of sustained attention in the production of conjoined noun phrases: An individual differences study. *PLoS One*, 10(9): e0137557. doi:10.1371/journal.pone.0137557. [more >](#)
- Jongman, S. R., Roelofs, A., & Meyer, A. S. (2015). Sustained attention in language production: An individual differences investigation. *Quarterly Journal of Experimental Psychology*, 68, 710-730. doi:10.1080/17470218.2014.964736. [more >](#)
- Moers, C., Janse, E., & Meyer, A. S. (2015). Probabilistic reduction in reading aloud: A comparison of younger and older adults. In M. Wolters, J. Livingstone, B. Beattie, R. Smith, M. MacMahon, J. Stuart-Smith, & J. Scobbie (Eds.), *Proceedings of the 18th International Congress of Phonetic Sciences [ICPhS 2015]*. London: International Phonetics Association. [more >](#)
- Rommers, J., Meyer, A. S., & Huettig, F. (2015). Verbal and nonverbal predictors of language-mediated anticipatory eye movements. *Attention, Perception, & Psychophysics*, 77(3), 720-730. doi:10.3758/s13414-015-0873-x. [more >](#)
- Schuerman, W., Meyer, A. S., & McQueen, J. M. (2015). Do we perceive others better than ourselves? A perceptual benefit for noise-vocoded speech produced by an average speaker. *PLoS One*, 10(7): e0129731. doi:10.1371/journal.pone.0129731. [more >](#)
- Sjerps, M. J., & Meyer, A. S. (2015). Variation in dual-task performance reveals late initiation of speech planning in turn-taking. *Cognition*, 136, 304-324. doi:10.1016/j.cognition.2014.10.008. [more >](#)

Journal articles



Schuerman, W., Meyer, A. S., & McQueen, J. M. (2015). Do we perceive others better than ourselves? A perceptual benefit for noise-vocoded speech produced by an average speaker. *PLoS One*, 10(7): e0129731. doi:10.1371/journal.pone.0129731.

In different tasks involving action perception, performance has been found to be facilitated when the presented stimuli were produced by the participants themselves rather than by another participant. These results suggest that the same mental representations are accessed during both production and perception. However, with regard to spoken word perception, evidence also suggests that listeners' representations for speech reflect the input from their surrounding linguistic community rather than their own idiosyncratic productions. Furthermore, speech perception is heavily influenced by indexical cues that may lead listeners to frame their interpretations of incoming speech signals with regard to speaker identity. In order to determine whether word recognition evinces similar self-advantages as found in action perception, it was necessary to eliminate indexical cues from the speech signal. We therefore asked participants to identify noise-vocoded versions of Dutch words that were based on either their own recordings or those of a statistically average speaker. The majority of participants were more accurate for the average speaker than for themselves, even after taking into account differences in intelligibility. These results suggest that the speech representations accessed during perception of noise-vocoded speech are more reflective of the input of the speech community, and hence that speech perception is not necessarily based on representations of one's own speech.

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Supplementary materials

Data availability
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0129731#sec022>
journal.pone.0129731.s001-1.docx



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<https://edmond.mpdl.mpg.de/imeji/collection/qOAt3qDm9whCmHle>

The screenshot shows a web browser displaying the Edmond MPDL website. The URL in the address bar is <https://edmond.mpdl.mpg.de/imeji/collection/qOAt3qDm9whCmHle>. The page features a search bar with the text "ITEMS OF SCHUERMAN SUPPLEMENTAL FILES" and a search icon. Below the search bar, there are navigation tabs for "HOME", "COLLECTIONS", and "ITEMS". The main content area is titled "Schuerman Supplemental Files" by schuerman, with a link for "more information". A "Download" section is visible, with a checkbox for "Select all on this page" and a "3 items" filter. Three Excel spreadsheet icons are displayed, each with a corresponding filename: "Experiment2_Data.csv", "Identification_Data.csv", and "Normalized_Productio...". A sidebar on the right lists filters for "Institute", "Collection", "Collection's author", and "License", each with a checkbox and a count of 3 items. The footer includes the text "Powered by imeji", a disclaimer, and the Max Planck digital library logo.



Example with OSF

Mante Nieuwland - Publications

2018

- Nieuwland, M. S., Politzer-Ahles, S., Heyselaar, E., Segaert, K., Darley, E., Kazanina, N., Von Grebmer Zu Wolfsturn, S., Bartolozzi, F., Kogan, V., Ito, A., Mézière, D., Barr, D. J., Rousselet, G., Ferguson, H. J., Busch-Moreno, S., Fu, X., Tuomainen, J., Kulakova, E., Husband, E. M., Donaldson, D. I. and 2 others. ... (2018). Large-scale replication study reveals a limit on probabilistic prediction in language comprehension. *eLife*, 7: e33468. doi:10.7554/eLife.33468. [more >](#)

2017

- Ito, A., Martin, A. E., & Nieuwland, M. S. (2017). Cloze meaning in a second language. *Journal of Experimental Psychology, Memory, and Cognition*, 43(4), 635-652. doi:10.1037/xap0000112
- Ito, A., Martin, A. E., & Nieuwland, M. S. (2017). Verbal effect may be hard to replicate: A rebuttal to DeLong. *Language, Cognition and Neuroscience*, 32(8), 974-980. doi:10.1080/23273798.2017.1323112. [more >](#)
- Martin, A. E., Huettig, F., & Nieuwland, M. S. (2017). Can we answer the important questions about language? A reply to and Pickering "An experimental approach to linguistic prediction". *Journal of Experimental Psychology: Applied*, 23(1), 1-10. doi:10.1037/xap0000112



Mante Nieuwland
Max Planck Institute for Psycholinguistics

Journal articles

Nieuwland, M. S., Politzer-Ahles, S., Heyselaar, E., Segaert, K., Darley, E., Kazanina, N., Von Grebmer Zu Wolfsturn, S., Bartolozzi, F., Kogan, V., Ito, A., Mézière, D., Barr, D. J., Rousselet, G., Ferguson, H. J., Busch-Moreno, S., Fu, X., Tuomainen, J., Kulakova, E., Husband, E. M., Donaldson, D. I., Kohút, Z., Rueschemeyer, S.-A., & Huettig, F. (2018). Large-scale replication study reveals a limit on probabilistic prediction in language comprehension. *eLife*, 7: e33468. doi:10.7554/eLife.33468.

Do people routinely pre-activate the meaning and even the phonological form of upcoming words? The most acclaimed evidence for phonological prediction comes from a 2005 *Nature Neuroscience* publication by DeLong, Urbach and Kutas, who observed a graded modulation of electrical brain potentials (N400) to nouns and preceding articles by the probability that people use a word to continue the sentence fragment ('cloze'). In our direct replication study spanning 9 laboratories (N=334), pre-registered replication-analyses and exploratory Bayes factor analyses successfully replicated the noun-results but, crucially, not the article-results. Pre-registered single-trial analyses also yielded a statistically significant effect for the nouns but not the articles. Exploratory Bayesian single-trial analyses showed that the article-effect may be non-zero but is likely far smaller than originally reported and too small to observe without very large sample sizes. Our results do not support the view that readers routinely pre-activate the phonological form of predictable words.

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Supplementary materials

[Data sets](#)





OSF

The screenshot shows the OSF website interface. At the top, there is a navigation bar with 'OSFHOME' and a search bar. Below the navigation bar, there is a notice about site maintenance. The main content area is titled 'Replication Recipe Analysis plan' and includes a 'Public' button. The page is divided into several sections: 'Wiki', 'Files', 'Citation', and 'Recent Activity'. The 'Wiki' section contains a text update about data points. The 'Files' section shows a list of files and folders, including 'Replication Recipe Analysis plan', 'OSF Storage', 'correlation analysis', 'experiment log files', 'Imern analysis', and several PDF files. The 'Citation' section shows the project's URL. The 'Recent Activity' section lists recent file uploads by Mante Nieuwland.

https://osf.io/eyzaq/

OSFHOME

Replication Recipe Analysis plan

Notice: The site will undergo maintenance between Apr 20, 2018 3:00 AM and Apr 20, 2018 5:00 AM (+0200 UTC). Thank you for your patience.

Replication Recipe Analysis plan

Contributors: Mante Nieuwland, Falk Huettig
Date created: 2016-06-22 11:01 AM | Last Updated: 2018-04-10 10:50 AM
Category: Project

Public

Wiki

a previous version of the public_noun_data.txt file had 2 wrong cloze values, which have been corrected in the new file. these two data points hardly change anything about the statistical results, only in rounding of the 2nd decimal in the reported CI.

Files

Name	Modified
Replication Recipe Analysis plan	
OSF Storage	
correlation analysis	
experiment log files	
Imern analysis	
Nieuwland_eta_elife_accepted.pdf	2018-03-19 07:56 PM
Nieuwland_eta_elife_responsetletter.pdf	2018-03-19 07:57 PM
Raw and Processed data	
Stimuli	
supp_figures_merged.pdf	2017-02-09 12:37 PM

Citation

osf.io/eyzaq

Recent Activity

- Mante Nieuwland added file Raw and Processed data/Processed segmented data/seg_noxfo16.vhdr to OSF Storage in Replication Recipe Analysis plan 2018-04-10 10:50 AM
- Mante Nieuwland added file Raw and Processed data/Processed segmented data/seg_noxfo15.vhdr to OSF Storage in Replication Recipe Analysis plan 2018-04-10 10:50 AM
- Mante Nieuwland added file Raw and Processed data/Processed segmented data/seg_noxfo14.vhdr to OSF Storage in Replication Recipe Analysis plan 2018-04-10 10:50 AM
- Mante Nieuwland added file Raw and Processed data/Processed segmented data/seg_noxfo12.vhdr to OSF Storage in Replication Recipe Analysis plan 2018-04-10 10:50 AM
- Mante Nieuwland added file Raw and Processed data/Processed segmented data/seg_noxfo10.vhdr to OSF Storage in Replication Recipe Analysis plan 2018-04-10 10:50 AM
- Mante Nieuwland added file Raw and Processed data/Processed segmented data/seg_noxfo11.vhdr to OSF Storage in Replication Recipe Analysis plan 2018-04-10 10:50 AM



Wünsche und Fragen:

- Verbindung LDAP/PuRe
- Verweise Archiv – Publikation
- Priorität der Archivierung