Corpus à la carte

Improving Access to the Public DGS Corpus

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• Antipasti •

Public DGS Corpus

50+ hours of data from the DGS Corpus, curated for public release. Contains videos, annotations, translations and pose information.

Release 4

- New portal
- New data
- New features
- Interconnectivity

NEW

4 public portals

Each portal meets different needs. Release 4 provides direct connections between the portals.

- *MY DGS:* Community Portal
- *MY DGS – annotated:* Research portal
- *MY DGS – ANNIS:* Web-based corpus search
- *MY DGS – iLex:* DB for use with iLex NEW

• Primi •

New Resources

Transcripts

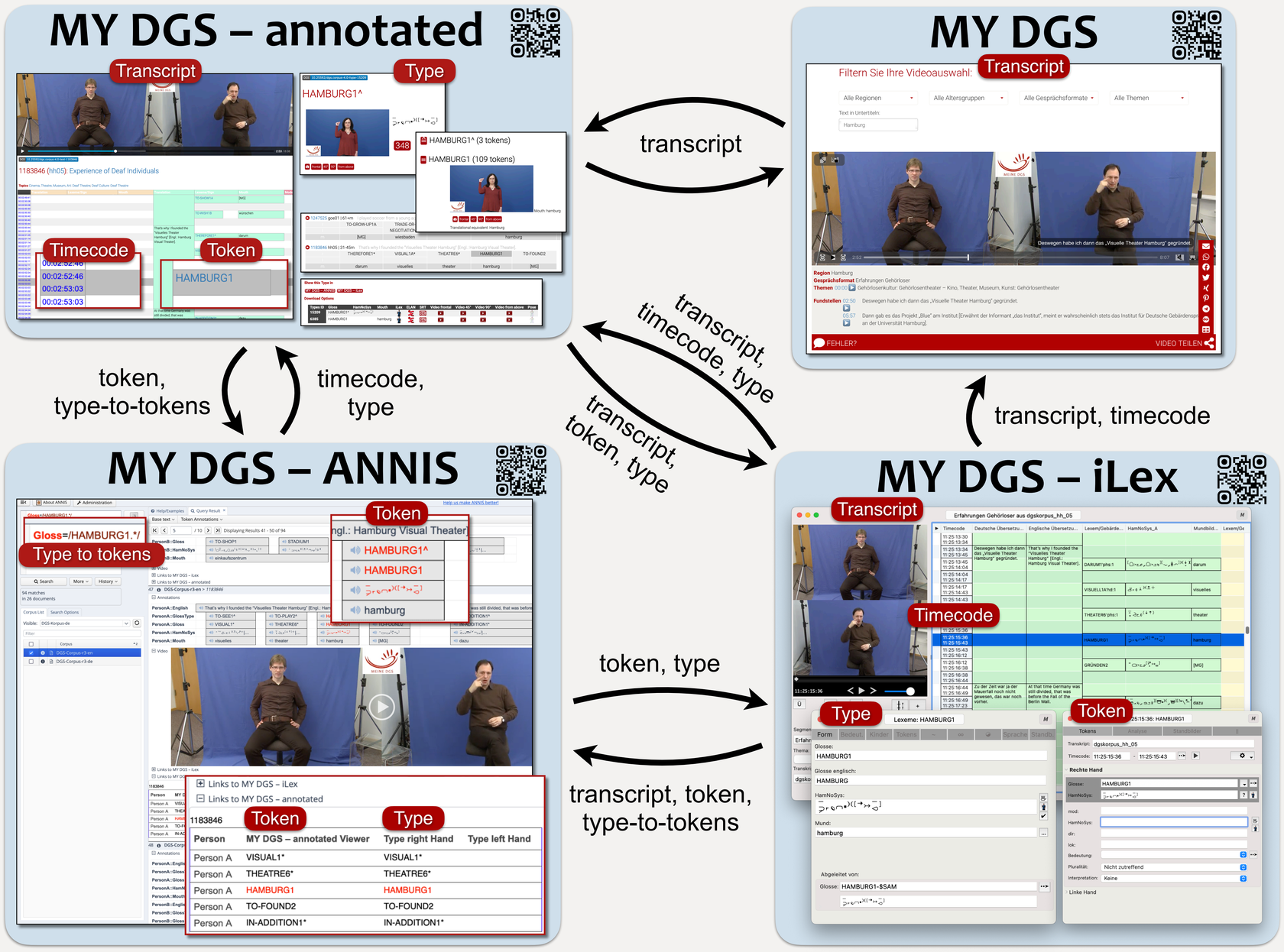
One hour of new recordings: 18 process descriptions (53 min) and 4 retellings (7 min)

Type information

- Translational equivalents for subtypes
- Videos and HamNoSys for subtypes
- Download files for types and subtypes

Pose information

In addition to OpenPose now also provides model estimates by MediaPipe, Apple Vision and Ivashechkin et al. (2023).



Serving suggestion

• Secondi •

New Features

Interconnectivity

- Easily jump to the same transcript/token/type in other MY DGS portals (see diagram above)

MY DGS

- Filter/Search by topics and over 570 keywords
- Full-text search of German/English translations, including wildcard "*"

MY DGS – annotated

- Filter/Search by glosses, translation equivalents, and HamNoSys
- Improved transcript overview shows transcript ID, annotation depth, and participant pair ID
- Data collection formats now link to entries in the *Sign Language Dataset Compendium*

MY DGS - ANNIS

- Adds search by topics and over 570 keywords
- New Query Wizard helps users write complex ANNIS queries

MY DGS - iLex

- View MY DGS in iLex, the annotation environment used for creating the DGS Corpus

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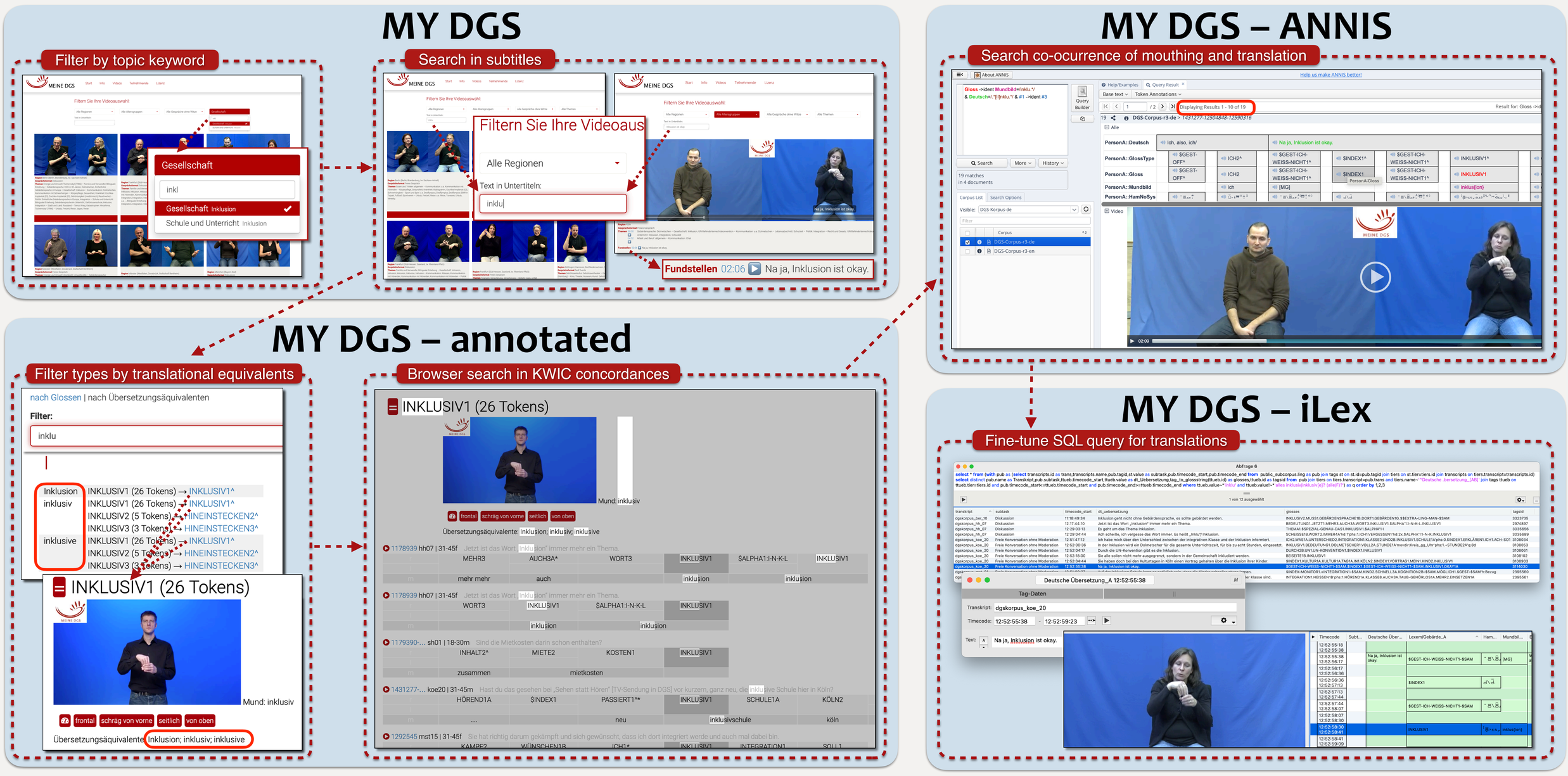
Use Case Example: Finding discussions about inclusivity



Ivashechkin M, Mendez O, Bowden R. **Improving 3D Pose Estimation for Sign Language**. In Proc. of SLTAT 8. 2023 IEEE, Rhodes Island, Greece, 2023, pp. 1-5. DOI: 10.1109/ICASSPW59220.2023.10193629

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