

A horizontal bar at the top of the slide, divided into an orange section on the left and a purple section on the right.

# Cambridge site update

Guy Emerson

Delph-in 2017

# People

- Ann Copestake
  - Matic Horvat (completed!)
  - Guy Emerson
  - Ewa Muszyńska
  - Alexander Kuhnle
  - Paula Czarnowska (incoming)

# People

- Ann Copestake – DMRS algebra (draft on request)
  - Matic Horvat – statistical realization
  - Guy Emerson – distributional semantics (today)
  - Ewa Muszyńska – clause chunking
  - Alexander Kuhnle – grounded language (tomorrow)
  - Paula Czarbowska – distributional semantics

# Ewa Muszyńska

- *Realization of long sentences using chunking (INLG)*
  - Clausal chunking reduces time and memory costs
  - Doesn't affect the quality
  - <16s per sentence, even if full realization takes >30s

# Ewa Muszyńska & Alexander Kuhnle

- *A proposition-based abstractive summariser (COLING)*
  - Collaboration with Yimai Fang, Haoyue Zhu, Simone Teufel
  - ERG + DMRS + ACE to generate from propositions
  - Proposition selection uses Stanford dependencies; full transition to DMRS possible in future

# Paula Czarnowska

- *Learning Vector Representations from Dependency Graphs* (MPhil thesis)
  - Build on Levy and Goldberg (2014)'s work
  - Distinct representations for context words and dependency types
  - Impressive results with Universal Dependencies
  - Initial results with DMRS, more work to be done