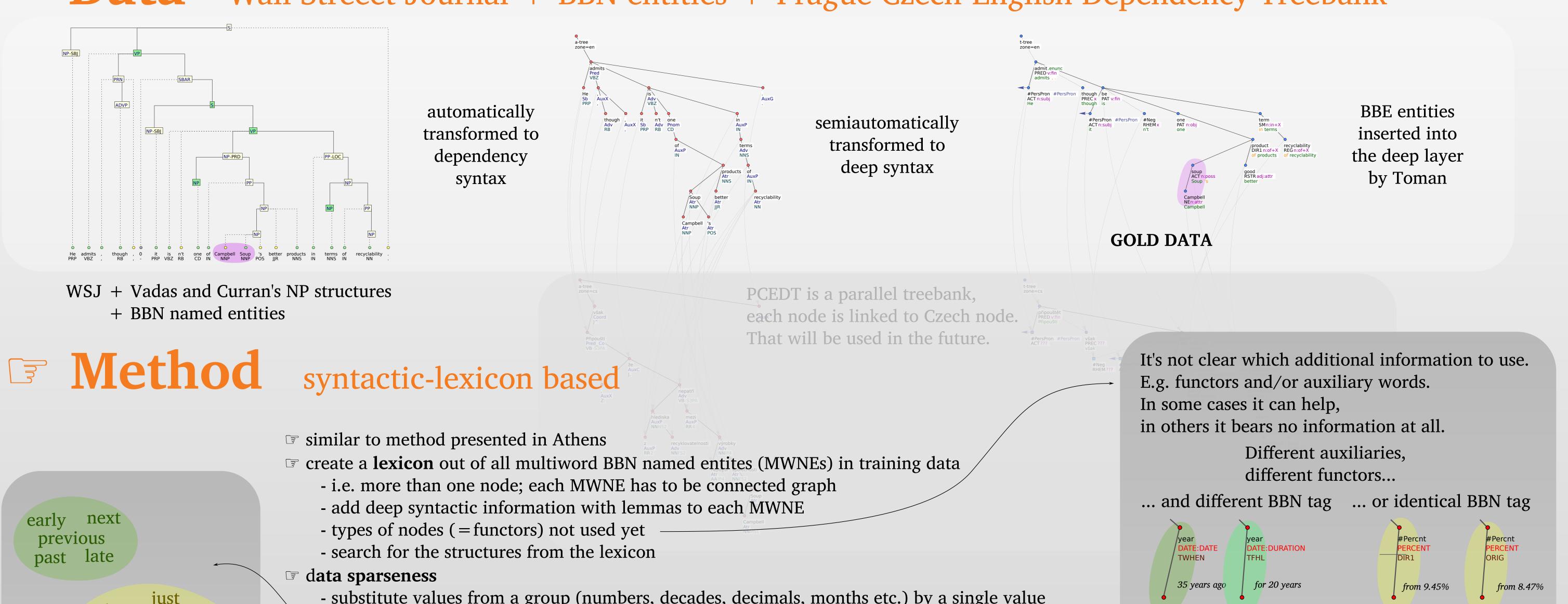


## Identification of Multiword **BBN Named Entities in**



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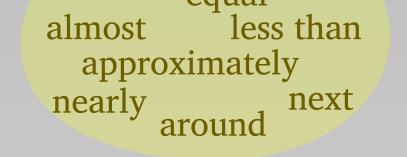
Wall Streeet Journal + BBN entities + Prague Czech-English Dependency Treebank



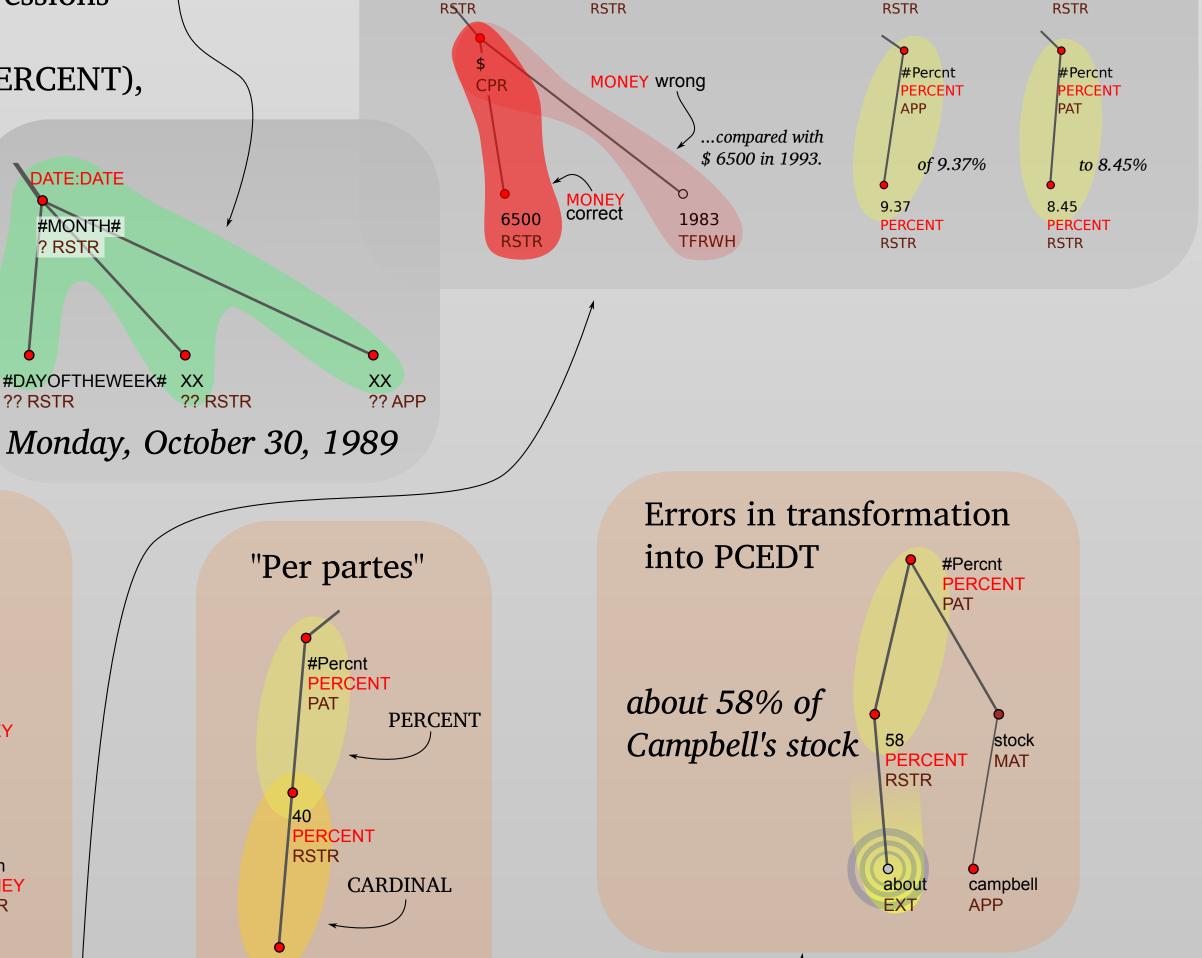
about at least ealla

extracted from CzEng corpora

- substitute values from a group (numbers, decades, decimals, months etc.) by a single value
- two sets of "universal attributes", that can complement numbers or time expressions
- there are many other improvement possible



- (e.g. any kombination composing a CARDINAL beneath a percent sign is a PERCENT), but it starts to be rule based
- □ if **more than one tag** was associated with the tree structure in the lexicon, we use the most frequent for the time being



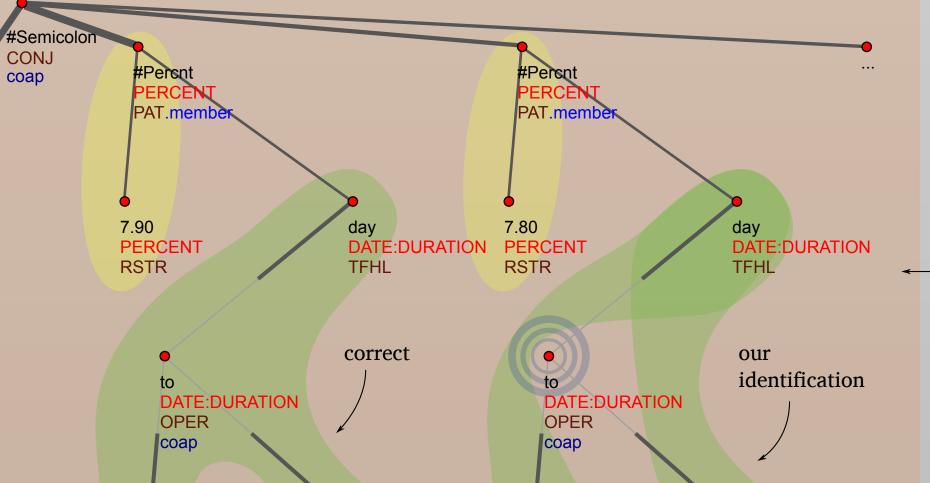
DATE: DURATION

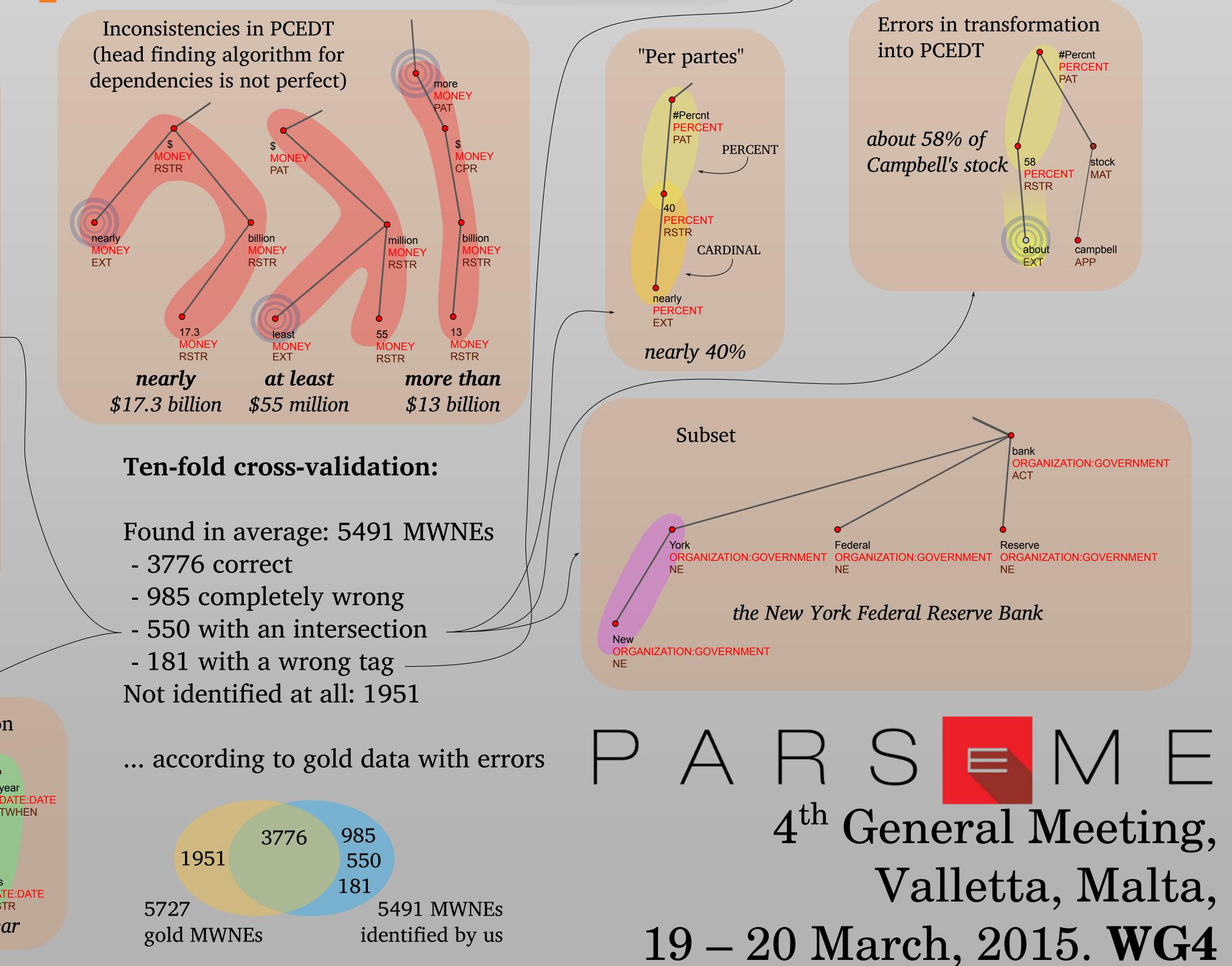
PERCEN

PERCENT

## **Exaluation & Examples**

Basically, we can only find, what we have seen. No unexpectedly changed structures, no unseen named entities (e.g. name of person mentioned several times, but in a single document).





DATE:DATE

#MONTH#

**#DAYOFTHEWEEK# XX** 

? RSTR

?? RSTR

RSTR.member RSTR.member RSTR.member ...; 7.90% 120 to 149 days; 7.80% 150 to 179 days; ... ... because no range was seen in the train data

DATE:DURATION

150

DATE:DURATION



This work has been using language resources developed and stored and distributed by the LINDAT/CLARIN project of the Ministry of Education, Youth and Sports of the Czech Republic (project LM2010013).

120

DATE: DURATION

This research has been supported by grant COST CZ LD14117 of the Ministry of Education, Youth and Sports of the Czech Republic.

Inconsistencies in BBN annotation DATE:DATE TWHEN DATE:DATE TWHEN O early RSTR DATE:DATE DATE:DATE DATE:DATE TWHEN RSTR RSTR later this year earlier this year

179

DATE:DURATION

RSTR.member

