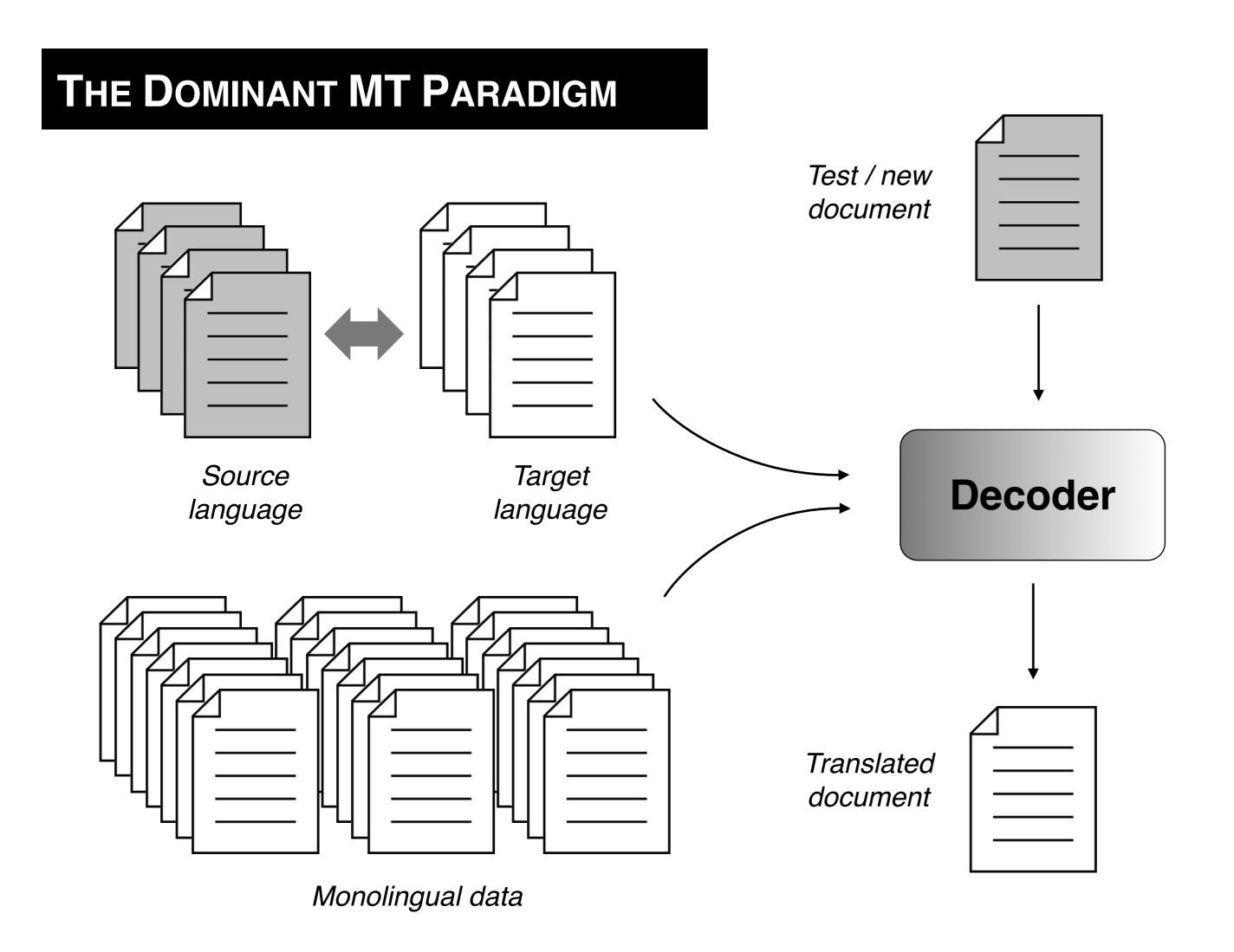
Beyond bitext: Five open problems in machine translation

Adam Lopez and Matt Post



Assumptions	
There is lots of parallel training data	
There is even more target language monolingual data	
The data is nicely and consistently formatted	
The training and test data are formal and in the same domain	
The target language has very little morphology	

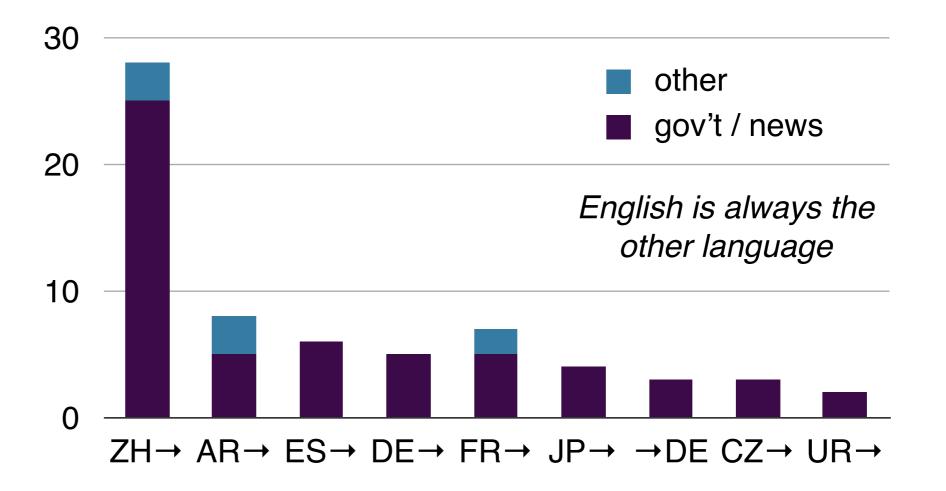
FAVORS THE FOLLOWING

Industrial-scale engineering:

1 st place	18
2 nd place	12
3 rd place	3
4 th or worse	1

"ONLINE-B" performance across all language tasks in WMT 2010–13, according to human judgment

Languages of first-world countries:



THE NEXT 20 YEARS

