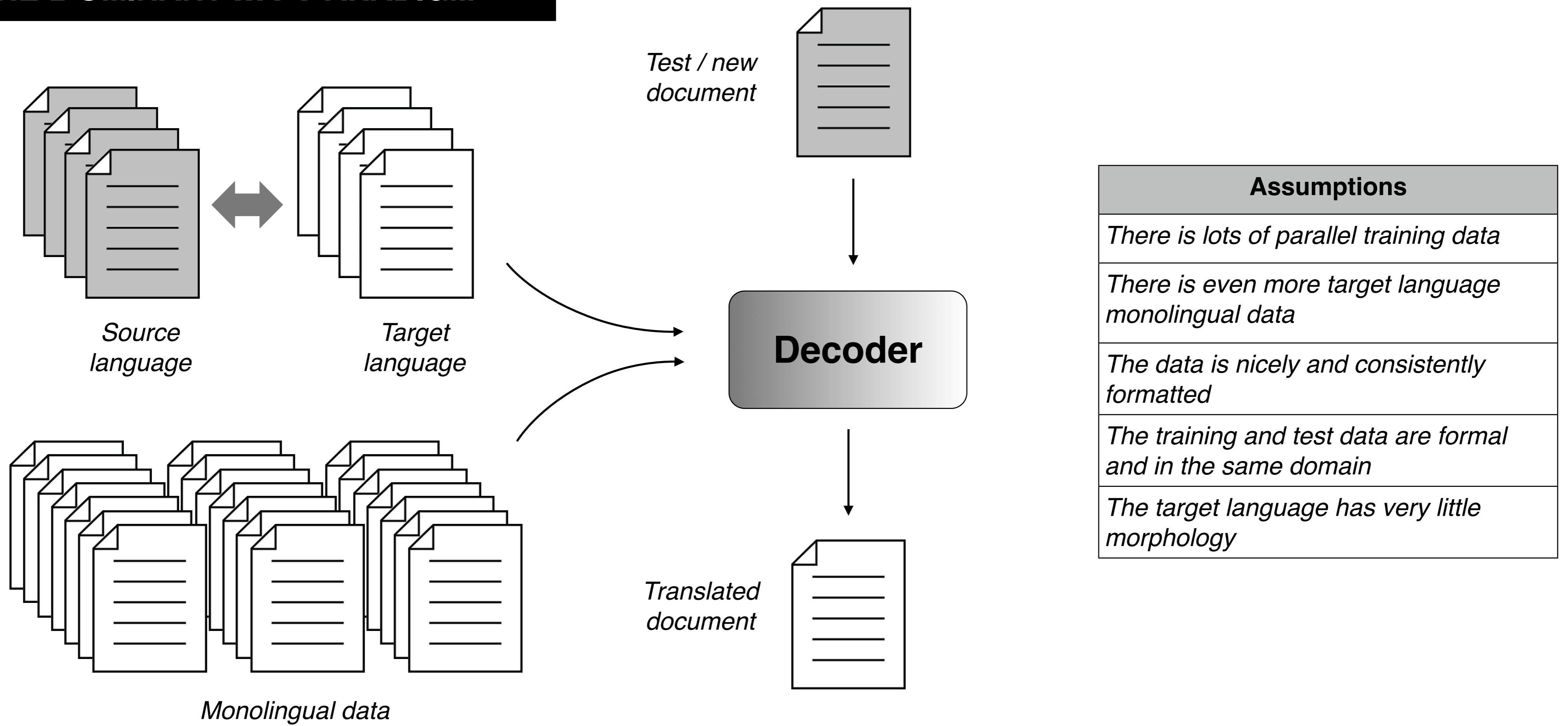


# Beyond bitext: Five open problems in machine translation

Adam Lopez and Matt Post

## THE DOMINANT MT PARADIGM



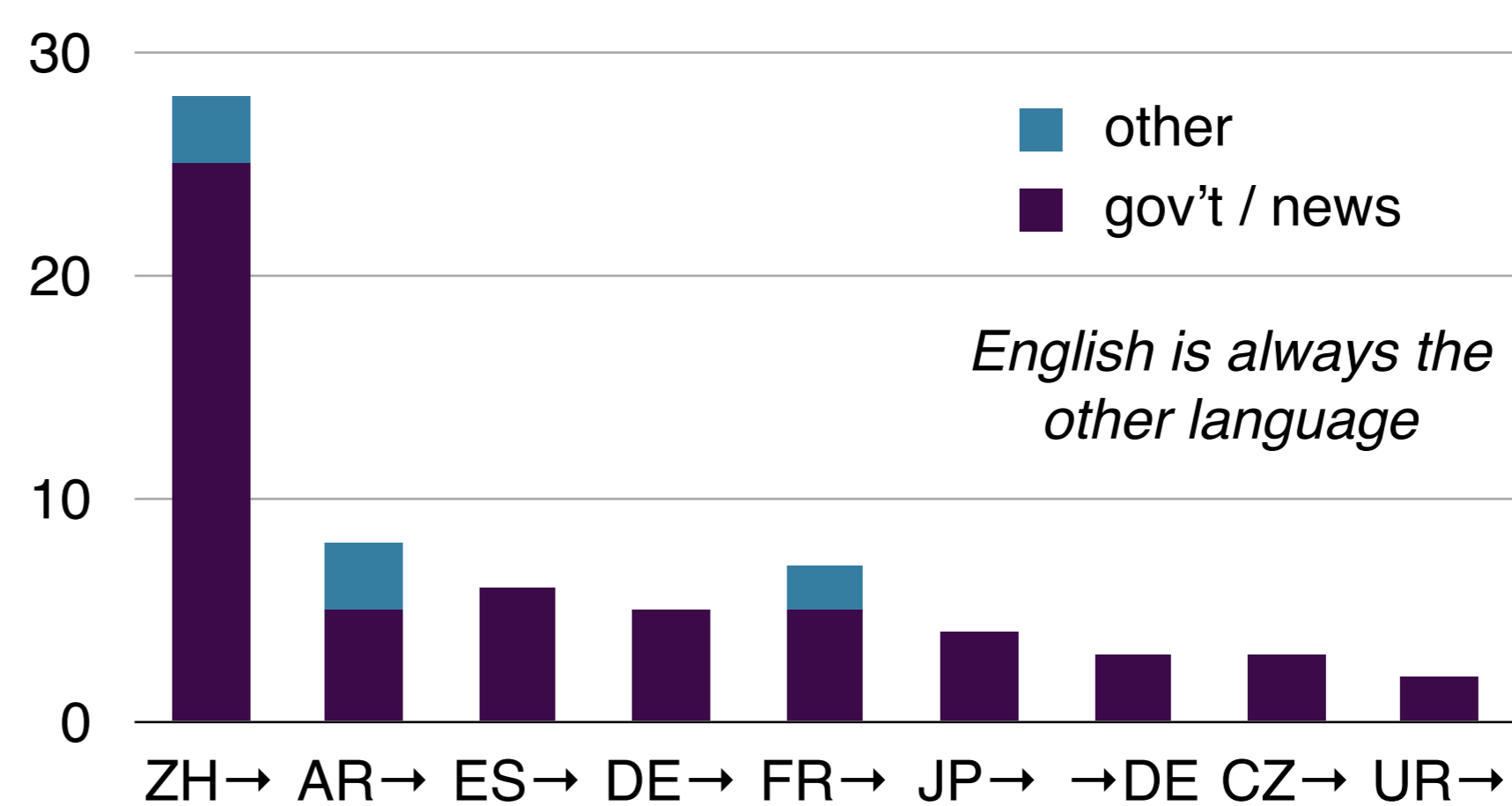
## FAVORS THE FOLLOWING

**Industrial-scale engineering:**

1 <sup>st</sup> place	18
2 <sup>nd</sup> place	12
3 <sup>rd</sup> place	3
4 <sup>th</sup> 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

