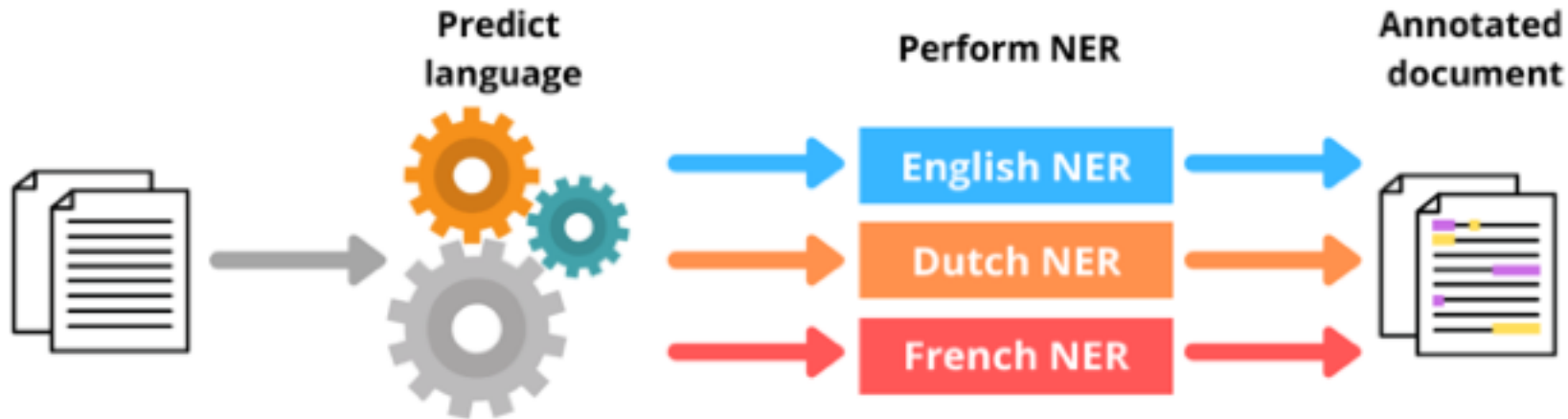




Research problem





Perform NER

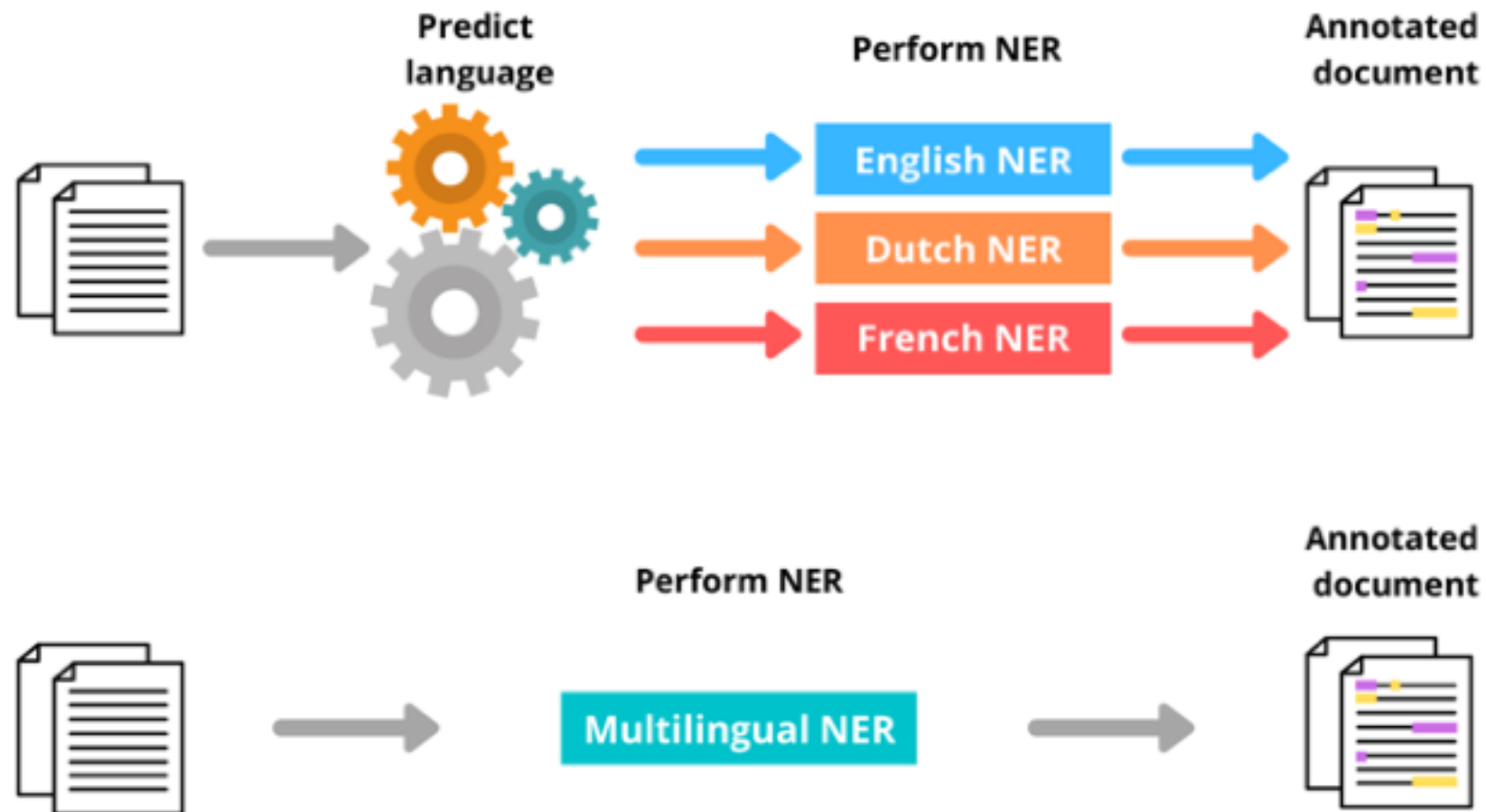
Multilingual NER



**Annotated
document**



Research problem



Research hypotheses

Monolingual input data: monolingual embeddings > multilingual embeddings

Multilingual input data: multilingual embeddings > monolingual embeddings

Data

Benchmark

English (CoNLL2003)

Dutch (CoNLL2002)

French (WikiNER)

Multilingual

Faktion

Dutch

French

Multilingual

Embeddings

Monolingual

	BERT	Flair	BERT+Flair
Char			
OHE			
fastT			
BPEmb			
All			

Multilingual

	mBERT	mFlair	mBERT+mFlair
Char			
OHE			
mBPEmb			
All			

NER

CRF

B-LOC

I-LOC

I-LOC

BiLSTM

b

b

b

f

f

f

Prato

allo

Stelvio