WIPO Translate updates

Neural Network machine translation

Bruno Poulquen, IP round table, 30/10/2017
What’s new in WIPO Translate?

• Not much ;-) 

• ... as we are consolidating our model:
  – WIPO Translate used more frequently 
  – The team is growing: 3 full-time persons in MT 
  – Agreements with patent offices (KIPO) 
  – WIPO Translate as a service for private companies 
  – Some promising exploratory work
WIPO Translate usage...

1.5 Million words translated every day
Team: ATAC

Advanced Technology Applications Center

Aim: Explore machine learning techniques in IP
WIPO Translate & other organizations

- WIPO Translate & International organizations
  - WTO, IMF, WMO, OECD, IAEA, ITU (+WB)
  - ... and Korean Patent Office
  - ... and more to come

- WIPO Translate as a «pay for service»
Current/future work

• Current exploratory projects:
  – Transformer models
  – Improve Portuguese MT using Spanish-English parallel texts
Speech to Text (WIPO S2T)

- Use machine learning techniques to output corresponding text
- Use records of WIPO meetings and corresponding transcripts

- Use cases:
  - Verbatim aligned with video
  - Send verbatim for translation
  - Text based search engine
  - Captioning
  - ...

- Demo: pilot developed for WIPO General Assemblies

*Not really related to IP*