



WIPO Speech to Text (S2T)

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30 March 2023

Agenda

- WIPO S2T History
- Features of WIPO S2T
- Journey/Challenges
- User experience/feedback
- Our learnings

WIPO S2T History

- Dec 2017: Exploration in S2T
- Aug 2018: Prototype
- Aug 2019: WIPO S2T in production
- 2019 - : Exported WIPO S2T to various International Organizations
- Aug 2022: New WIPO webcasting platform

WIPO Webcasting

WIPO S2T in action for WIPO conferences

<https://webcast.wipo.int/>

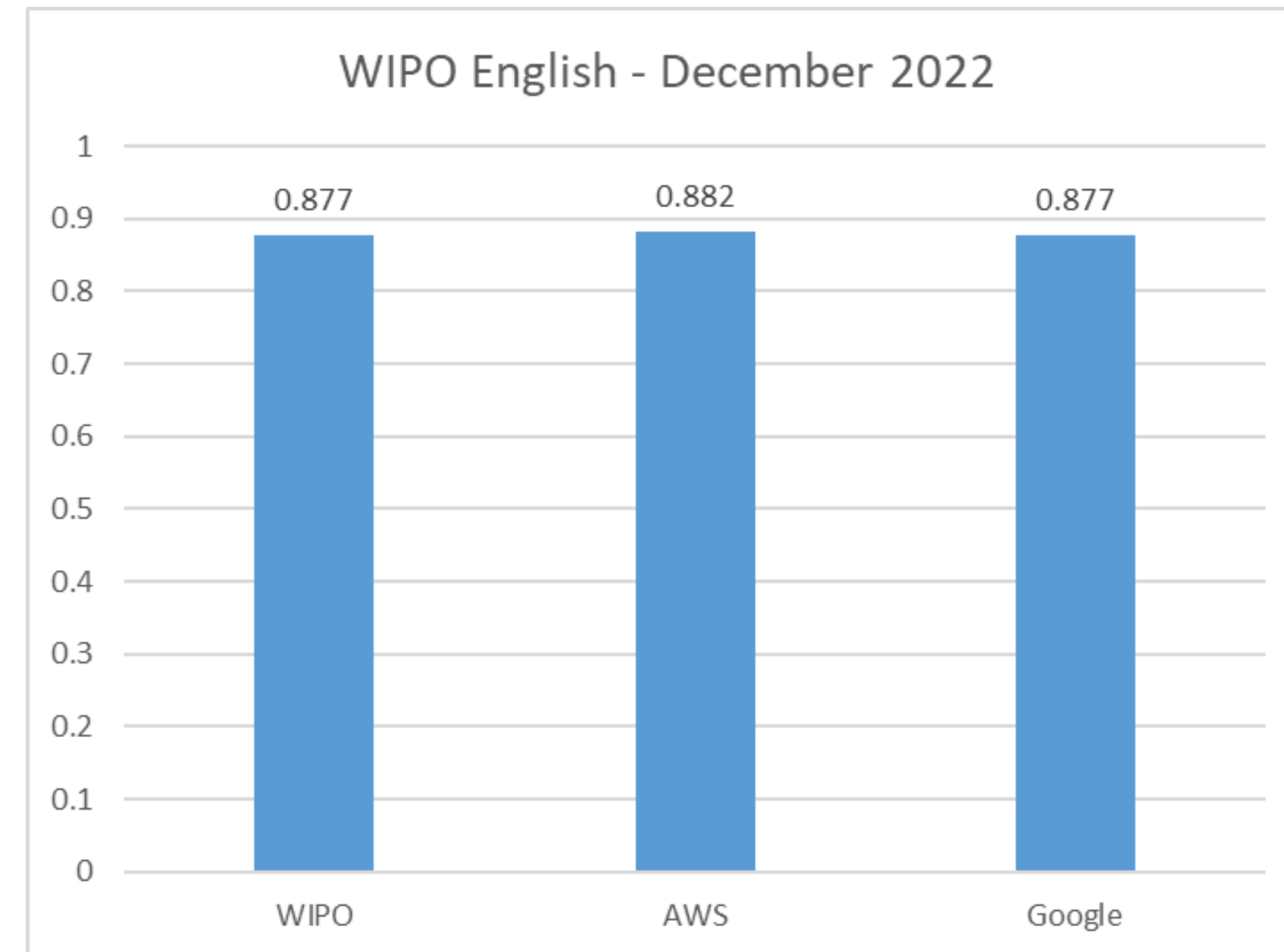
VIDEOS ON DEMAND

MEETING TYPE: All meetings...
SORT BY: Most recent, Alphabetical
Search:

<p>08 Feb 2023 11:49:59</p> <p>Plenary Session February 8 – 12:00 PM CET</p> <p>Patent Cooperation Treaty (PCT) Working Group</p> <p>Sixteenth Session – February 6 to 8, 2023</p> <p>Patent Cooperation Treaty [PCT] Working Group Sixteenth Session - PCT WG 16 Day 3 Afternoon</p>	<p>07 Feb 2023 11:49:59</p> <p>Plenary Session February 7 – 12:00 PM CET</p> <p>Patent Cooperation Treaty (PCT) Working Group</p> <p>Sixteenth Session – February 6 to 8, 2023</p> <p>Patent Cooperation Treaty [PCT] Working Group Sixteenth Session - PCT WG 16 Day 2 Afternoon</p>	<p>06 Feb 2023 11:59:32</p> <p>Opening Session February 6 – 12:00 PM CET</p> <p>Patent Cooperation Treaty (PCT) Working Group</p> <p>Sixteenth Session – February 6 to 8, 2023</p> <p>Patent Cooperation Treaty [PCT] Working Group Sixteenth Session - PCT WG 16 Day 1 Afternoon</p>	<p>26 Jan 2023 11:49:59</p> <p>Plenary Session January 26, 2023 – 12:00 PM CET</p> <p>Working Group on the Development of the Lisbon System</p> <p>Fifth Session Geneva, January 24 to 26, 2023</p> <p>Working Group on the Development of the Lisbon System Fifth Session - LI WG DEV SYS 5 Day 3 Afternoon</p>
<p>25 Jan 2023 14:51:59</p> <p>Plenary Session January 25, 2023 – 03:00 PM CET</p> <p>Working Group on the Development of the Lisbon System</p> <p>Fifth Session Geneva, January 24 to 26, 2023</p> <p>Working Group on the Development of the Lisbon System Fifth Session - LI WG DEV SYS 5 Day 2 Afternoon</p>	<p>24 Jan 2023 9:50:59</p> <p>Opening Session January 24, 2023 – 10:00 AM CET</p> <p>Working Group on the Development of the Lisbon System</p> <p>Fifth Session Geneva, January 24 to 26, 2023</p> <p>Working Group on the Development of the Lisbon System Fifth Session - LI WG DEV SYS 5 Day 1 Morning</p>	<p>16 Dec 2022 13:51:59 mic: Response, Preparedness, Resilience WHO, WIPO, WTO Joint Technical Symposium</p> <p>December 16, 2022</p> <p>Resuming at 14:00</p> <p>WHO WIPO and WTO Trilateral Symposium 2022 - WHO WIPO WTO GC GE 22 Afternoon</p>	<p>16 Dec 2022 10:19:59 mic: Response, Preparedness, Resilience WHO, WIPO, WTO Joint Technical Symposium</p> <p>December 16, 2022</p> <p>WHO WIPO and WTO Trilateral Symposium 2022 - WHO WIPO WTO GC GE 22 Morning</p>

Features of WIPO S2T

- Machine learning using open source tools
- S2T in all six UN languages
- On-premise deployment for confidential data
- Integration with WIPO meetings
- Fully automated workflow
- Fast and at par accuracy with commercial providers
- Performs well on speech with diverse accents
- Multilingual search
- Export of outputs in various formats



Business use cases

- Quick meeting records delivery (After the fact)
- Confidential / Huit clos meetings
- Multilingual Search – knowledge discovery

The screenshot displays the 'SEARCH MEETINGS' interface. At the top, there is a search bar with the placeholder text 'Search' and a magnifying glass icon. Below the search bar, there are navigation tabs: 'ALL', 'MEETINGS', 'SPEAKERS', 'AGENDA ITEMS', and 'TRANSCRIPTS'. The 'MEETINGS' tab is currently selected. The main content area is titled 'MEETINGS' and features a grid of four meeting cards. Each card includes a date and time stamp, the WIPO logo, the session title, the date and time, the committee name, and the session details. The cards are as follows:

Date & Time	Session Title	Date & Time	Committee	Session Details
17 Mar 2023 - 16:09:59	Plenary Session	March 17 - 03:30 PM CET	Standing Committee on Copyright and Related Rights	Forty-third Session - March 13 to 17, 2023 Streamed text at https://www.ai-live.com ID:WIPOCCR43F
17 Mar 2023 - 9:39:59	Plenary Session	March 17 - 10:00 AM CET	Standing Committee on Copyright and Related Rights	Forty-third Session - March 13 to 17, 2023 Streamed text at https://www.ai-live.com ID:WIPOCCR43F
16 Mar 2023 - 14:09:59	Information Session	March 16 - 02:30 PM CET	Standing Committee on Copyright and Related Rights	Forty-third Session - March 13 to 17, 2023 Information Session on the Music Streaming Market - SCCR 43 Day 4 Afternoon
16 Mar 2023 - 9:39:59	Plenary Session	March 16 - 10:00 AM CET	Standing Committee on Copyright and Related Rights	Forty-third Session - March 13 to 17, 2023 Streamed text at https://www.ai-live.com Join-Session ID:WIPOCCR43H

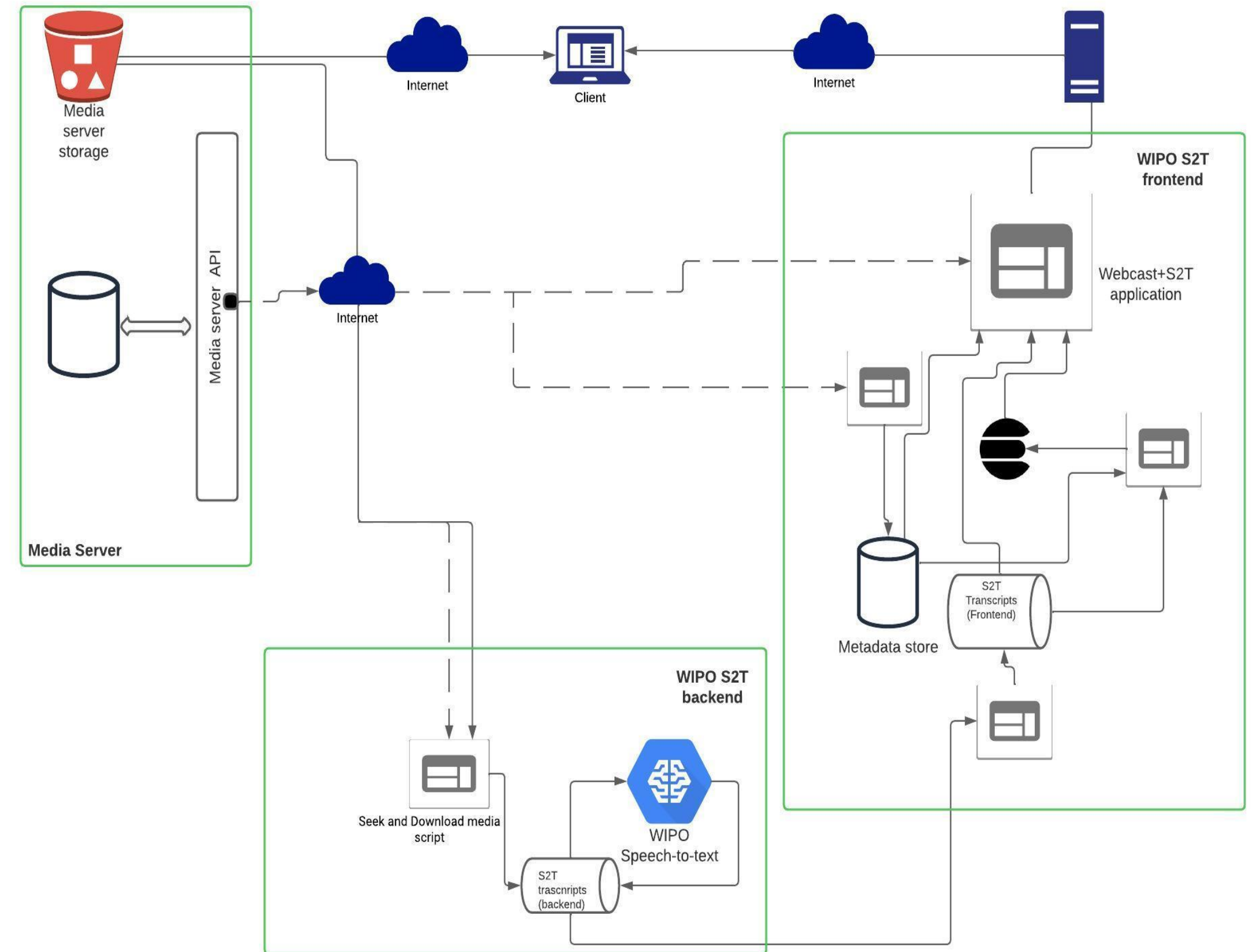
Challenges

Technical challenges

- Lack of training data
 - Silos
 - Non EN is a major problem
- Integration & Automation
- Evaluation
- Fairness

Other challenges

- Managing corrections from delegations



Delegations experience/feedback

- *"It's a very useful system. It allows the attendees to have a deeper understanding of the content of the meeting and the ability to review the meeting content later."*
- *"That site is great! It is very helpful that there is a live transcript offered. Even though the wording still needs improvement, it is an enormous helpful tool to make reporting quick and complete."*
- *"Good initiative that should be encouraged".*
- *"It is a user-friendly interface, simple to use. Function buttons are arranged in an easy-to-see position."*
- *"I'm not so techie and this is my 1st time to use this platform, but I can say we've really come to this digital age, and we need this kind of tech. Thanks WIPO for this!"*

Our learnings

- Unexpected benefits of the platform
- Efficient Intra-agency Collaboration (lean development)
- Inter-agency Collaboration
- Preparing training data is time consuming
- Relationship management

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