

Records of WIPO Meetings:

Applying Digital Technologies to Improve Quality of Service and Reduce Costs

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Objective

To provide Member States with an integrated, authentic, searchable, multilingual audiovisual and text record of meetings, which

- delivers promptly available, enriched digital records of meetings to replace the existing system of verbatim reports;
- generates major cost savings;
- supports the six UN-language policy for meeting records;
- adds value to, and increases the user-friendliness of, audiovisual recordings.





WIPO Meeting Records

Current offerings	Languages, availability, features
1. Video-on-demand	 in original spoken language (floor) + English interpretation; available online next day; 3-hour long video segments with no additional functionality (e.g. no search, navigation, etc)
2. Chair's Summary of Decisions	 in all UN languages; available on final day of the meeting;
3. Verbatim Report	 in all UN languages; published online several months after the meeting; labour-intensive, human-edited transcripts plus human translation.



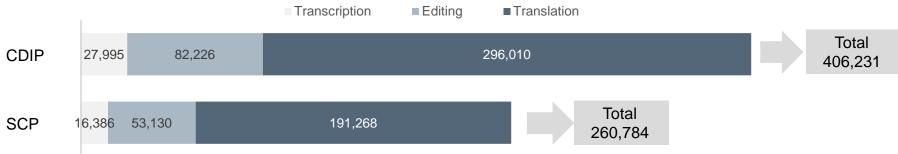
Verbatim Reporting: Cost Analysis

Key Findings

Existing verbatim reports represent a total cost of 2.6 million Swiss francs per biennium:

- 160,718 Swiss francs for meeting transcription (captioning);
- 534,151 Swiss francs* for Verbatim Report editing, representing 650 days, or 2.95 years of work for a WIPO Staff
- 1.9 million Swiss francs** for translation, representing 14% of the total biennial nonpersonnel translation budget in 2018/19

Illustration of cost breakdown for CDIP and SCP Committees:



Cost is Biennium based and in Swiss francs
Both CDIP and SCP Meetings are held twice a year, hence 4 meetings total per biennium

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^{*} Calculated based on standard costs per grade in 2019

^{**} Calculated based on average cost per word in 2018

WIPO Verbatim Reports - Cost overview

<u>Meetings</u>		Cost Analysis (based on average time spent on editing and costs) per Biennium					
	Average Report Length	Transcription	Editing		Translation	Total	
	(number of pages)	Cost	Time Spent (Working Days)	Cost	Cost	Cost	
[1] Main Bodies							
WIPO Assemblies Coordination Committee	260 19	14,534 - ¹	133 9	109,423 7,801	393,921 28,083	517,878 35,882	
Sub-total [1]		14,534	143	117,224	422,004	553,760	
[2] Committees (including both permanent and standing committees)							
PBC	75	13,922	57	47,122	169,637	230,680	
CDIP	98	27,995	100	82,226	296,010	406,231	
SCT	35	11,724	35	29,095	104,742	145,561	
SCP	63	16,386	65	53,130	191,268	260,784	
SCCR	72	20,913	73	60,299	217,074	298,286	
IGC	58	28,217	89	72,738	261,855	362,810	
Sub-total [2]		119,157	420	344,610	1,240,586	1,704,352	
[3] Working Groups							
PCT	70	8,981	36	29,517	106,260	144,758	
Madrid	72	10,228	37	30,360	109,296	149,884	
The Hague	15	4,199	7	6,114	22,011	32,324	
Lisbon	15	3,620	8	6,325	22,770	32,715	
Sub-total [3]		27,027	88	72,316	260,337	359,681	
Total		160,718	650	534,151	1,922,927	2,617,793	

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¹Cost of transcription is included under WIPO Assemblies

New Proposal for Meeting Records

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Current		Proposed	Languages, availability, features
1. Video-on- demand	 available next day online; in original spoken language (floor) + English interpretation; 3-hour long video segments with no additional functionality (e.g. no search, navigation) 	1. Enriched video-on- demand	 available same day online; in original spoken language (floor) + English interpretation (i.e. no change); digitally indexed to enable easy navigation by agenda item or speaker; share the link to a specific clip by email or social media; direct access to the document(s) under discussion;
2. Chair's Summary of Decisions	available on final day of the meeting;in all UN languages;	2. Chair's summary of decisions	 available on final day of the meeting (no change); in all UN languages (no change);
3. Verbatim Report	 published online several months after the meeting; in all UN languages; labour-intensive, humanedited transcripts plus human translation. 	3. Complete Speech-to-Text transcript (replacing Verbatim)	 complete, editable text transcript, which can be checked against synchronized video display; available same day online; in English; Plus automated translation into French and Spanish using WIPO Translate embedded in S2T site. (Possible future extension to other UN languages subject to the availability of training data). fully searchable text and video; Al-based, fully automated. WORLD INTELLECTUAL PROPERTY ORGANIZATION

Proposed Trial Phase One

Trial with two WIPO Committees, starting in October 2019:

- CDIP and SCP Selected for the average length of their verbatim reports
 - CDIP: 98 pages
 - SCP: 63 pages
- Total estimated savings in 2020/21 = CHF 667,015
 - CDIP: CHF 406,231 plus
 - SCP: CHF 260,784



Proposed Trial Phase Two

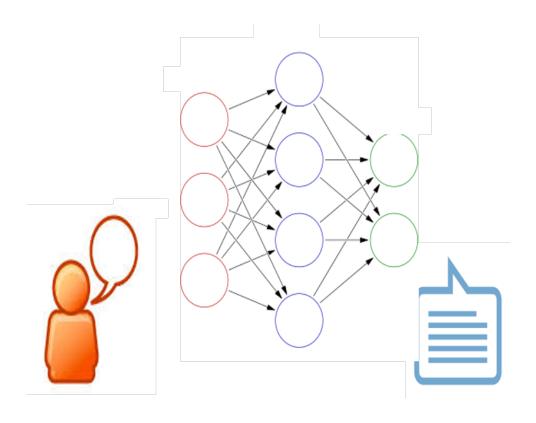
The system would be extended to all WIPO meetings from October 2020 excluding the WIPO Assemblies and extraordinary sessions of Treaty organizations.

- Total additional savings estimated in 2021 = approx. CHF 736,956.
- Potential for widespread adoption of WIPO's AI Speech-to-Text application by other international organizations, with consequent cost reductions across the UN system.
- Such arrangements also help enlarge the pool of data from which the Al learns, so continuously improving accuracy and quality of the outputs.



S2T: Future Work

- Possible development of Speech-to-Text for other languages;
 - Risk: insufficient availability of training data; insufficient testing of learning to ensure quality.
- Further development of WIPO Translate (similar risk);
- Improve **accuracy**: enlarge the training data, explore new models, improve the interface(s);
- **Domain adaptation**: tailor a WIPO model that makes full use of other Organizations' data.





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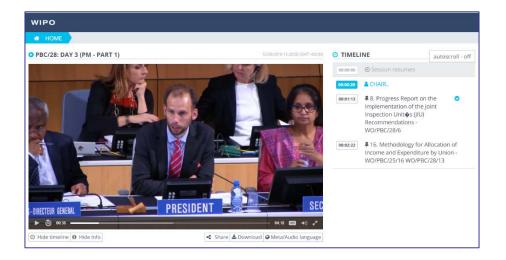
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Demonstration of the New Applications

1. Digitally indexed video & webcasting

- to navigate/search by agenda items and speakers;
- directly access documents;
- share clips by email or social media.



2. Al-based Speech to Text

- synchronized video and transcript;
- for fully searchable video recording of the meeting;
- with a complete searchable, editable text transcript.

