



DATA ANALYTIC TOOLS

POWER BI REPORTING & DATA VISUALIZATION

- BR / SSPD Division -



Introduction

This presentation responds to the following request of the RAG:

“RAG asked the Director to provide a briefing to the next RAG on the **use of data analytics tools in the BR.**”

Current use of data analytics

- The first reports were built to support the Study Groups Department and the Registration Team (1 Oct 2021 - 31 Mar 2022)
- Automate the collection of **statistics for official documents**
 - Report to the Radiocommunication Advisory Group (RAG), Council Document 35, ITU-R Operational Plan indicators
 - E.g. ITU-R Documents, ITU-R Downloads, ITU-R Events
- Improve **data visualization**
 - E.g. CPM webpage

Future use of data analytics

- Additional use of data analytics will be applied in the Satellite and Terrestrial Service Department
- Provide top and middle **management with tools** to show the status of the work
- Automate the collection of **statistics for official documents**
 - Report to the Radiocommunication Advisory Group (RAG), Council Document 35, ITU-R Operational Plan indicators
 - Radio Regulations Board (RRB), monthly and quarterly reports to top management
 - E.g. Indicators on satellite fillings

Benefits of data analytics

Data analytics tool

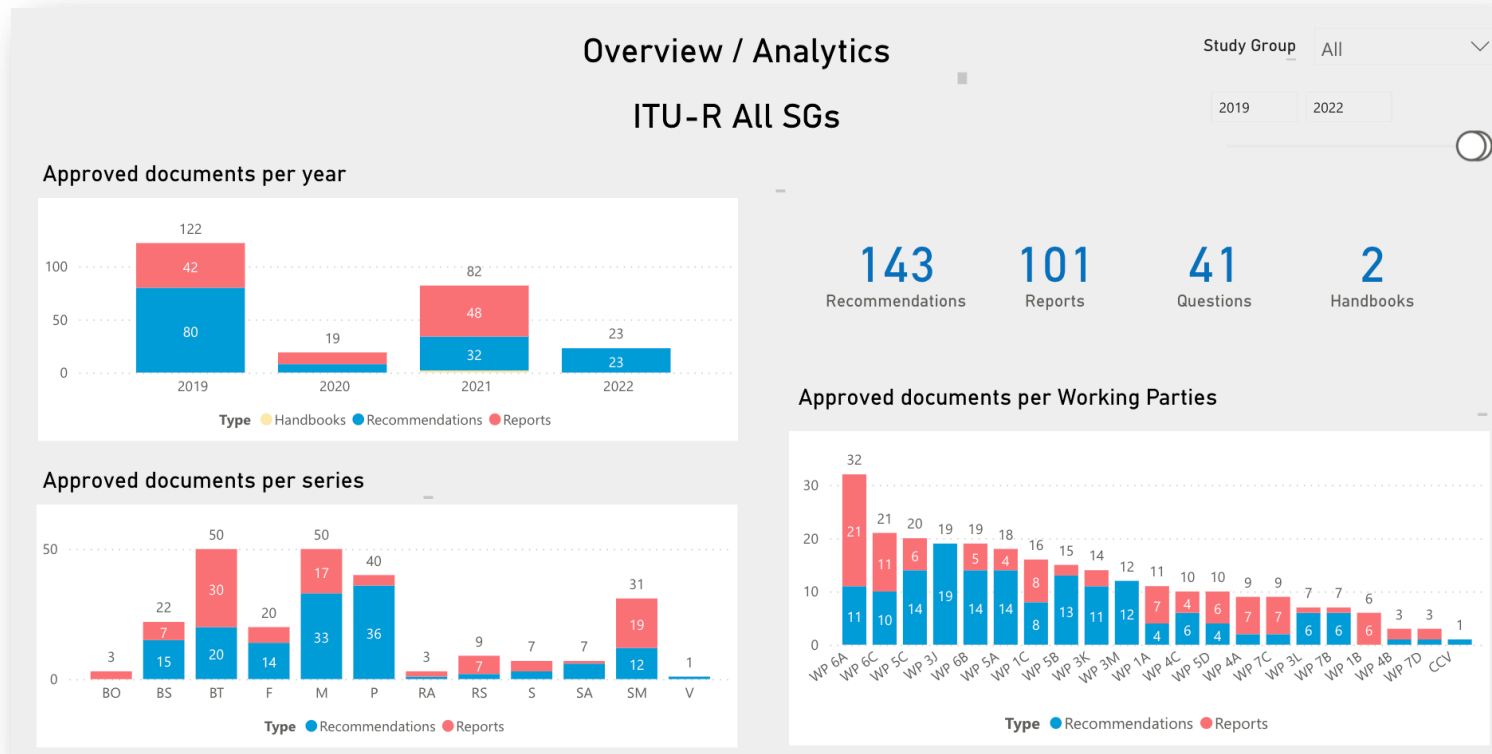
- The BR has started using a tool called **Power BI** for data analytics
 - It is the official ITU tool for data analytics and is linked to Office 365 Tools

Benefits

- Reduction of time spent in **preparing reports** (monthly, quarterly, yearly,)
- Reduction of time spent in **generating statistics**
- Facilitate **sharing of information**
- Availability of **real-time** and **up-to-date** information
- Provision of **insights** to **top and middle management**
- Increase **data-driven decision-making**

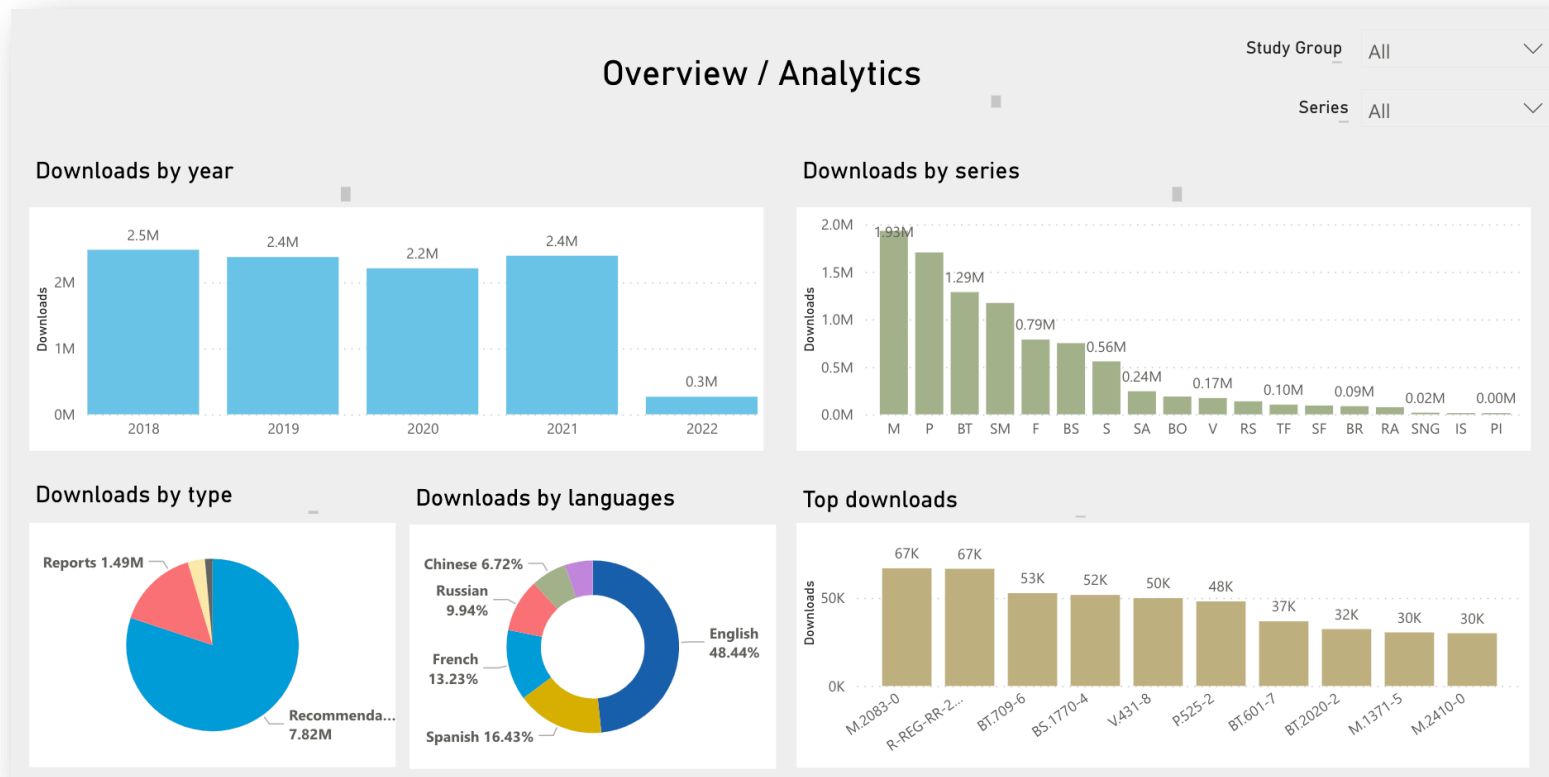
ITU-R Documents

- Lists the documents generated by ITU-R Study Groups, including Recommendations, Questions, Reports, Handbooks, Resolutions, Service Publications (per year, per series, per SG etc)
- Data source: Documentum (DMS)



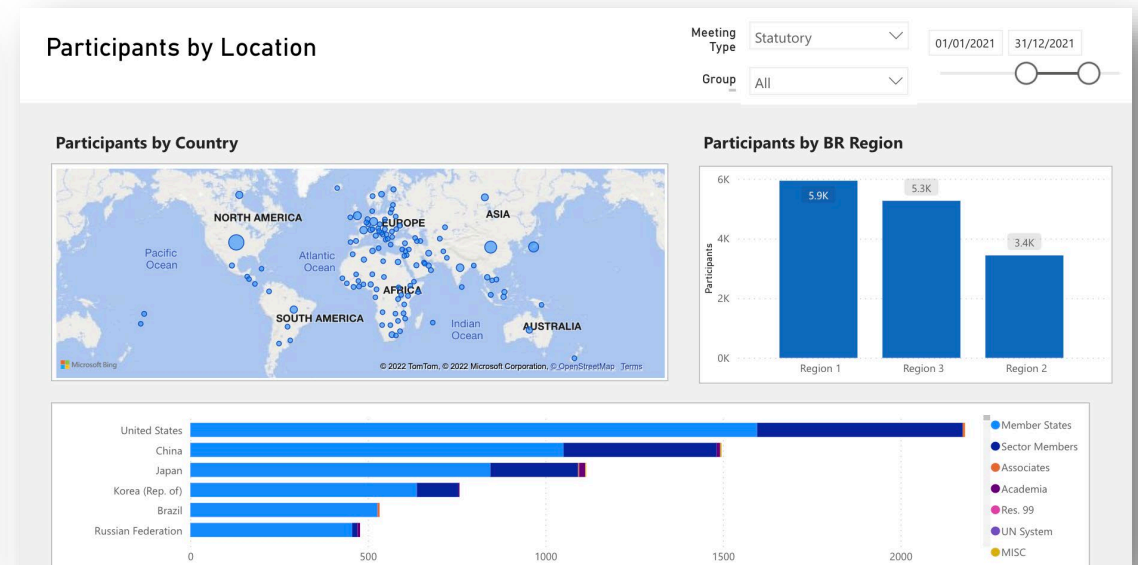
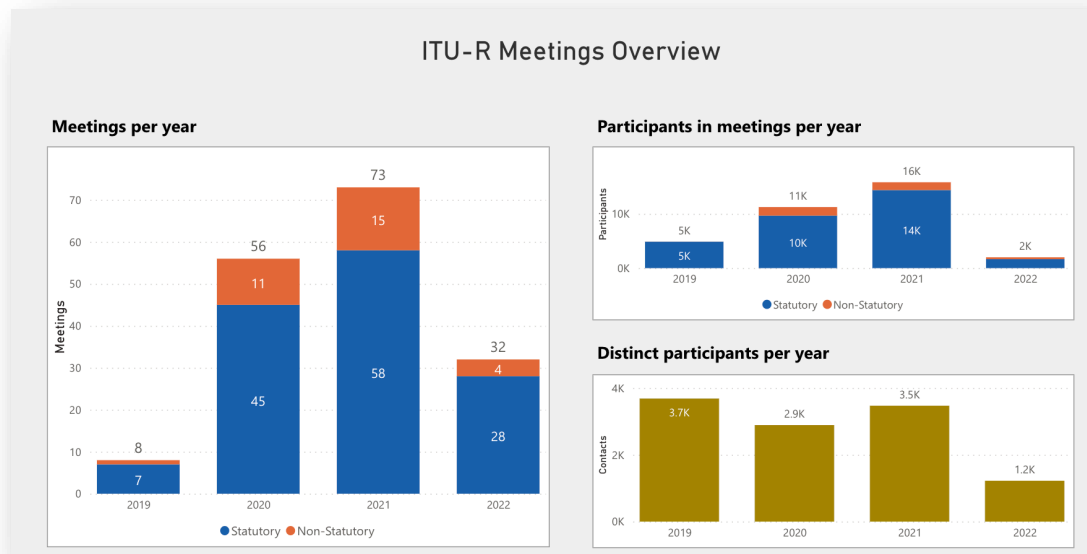
ITU-R Web downloads

- Measures the number of downloads of documents from the ITU Website (per year, per type, per series, per language etc)
- Data Source: Weblogs




ITU-R Events

- Measures the number of participants, countries, entities, that attended ITU-R Events / Meetings
- Data source: CRM Dataflow



ITU-R CPM

- Present the ITU-R Preparatory Studies for WRC-23 in a visual manner
- Data source: CPM webpage <https://www.itu.int/en/ITU-R/study-groups/rcpm/Pages/wrc-23-studies.aspx>

 ITU-R Preparatory Studies for WRC-23


WP 5B WP 5D

Agenda Item 1.1

to consider, based on the results of the ITU R studies, possible measures to address, in the frequency band 4 800-4 990 MHz, protection of stations of the aeronautical and maritime mobile services located in international airspace and waters from other stations located within national territories, and to review the pfd criteria in No. 5.441B in accordance with Resolution 223 (Rev.WRC-19);

RESOLUTION 223 (Rev.WRC 19)

Additional frequency bands identified for International Mobile Telecommunications

 ITU-R Preparatory Studies for WRC-23

WP 5B WP 5D

Agenda Item 1.1

WORKING DOCUMENTS

Report on the 40th meeting of Working Party 5D (e-Meeting, 7-23 February 2022)
Chapter 2: New revised version of Chapter 2 to Working Party 5D Chairman's Report - ITU-R Working Party 5D structure and work plan
Report on the twenty-seventh meeting of Working Party 5B (e-Meeting, 29 November-10 December 2021)
Annex 23: Working document towards a preliminary draft revision to Recommendation ITU-R M.2116-0 - Technical characteristics and protection criteria for systems operating in the aeronautical mobile service and maritime mobile service within the 4 400-4 990 MHz frequency range

MEETINGS

WP 5B	29 Nov - 10 Dec 2021 <small>Previous Meeting</small>	n/a <small>Future Meeting</small>
WP 5D	07-23 Feb 2022 <small>Previous Meeting</small>	n/a <small>Future Meeting</small>



DEMO

BR Reports Workspace

(all BR staff can access the Reports)




Power BI BR Reports

Search

BR Reports

+ New Create a pipeline View Filters Settings Access Search

All Content Datasets + dataflows

	Name	Type	Owner	Refreshed	Next refresh
	ITU-R Documents	Report	BR Reports	1/19/22, 7:14:52 AM	—
	ITU-R Events	Report	BR Reports	1/19/22, 7:15:08 AM	—
	ITU-R Webtrends	Report	BR Reports	1/18/22, 9:29:51 AM	—





Thank You

diana.tomimura@itu.int

Export report to ppt or pdf

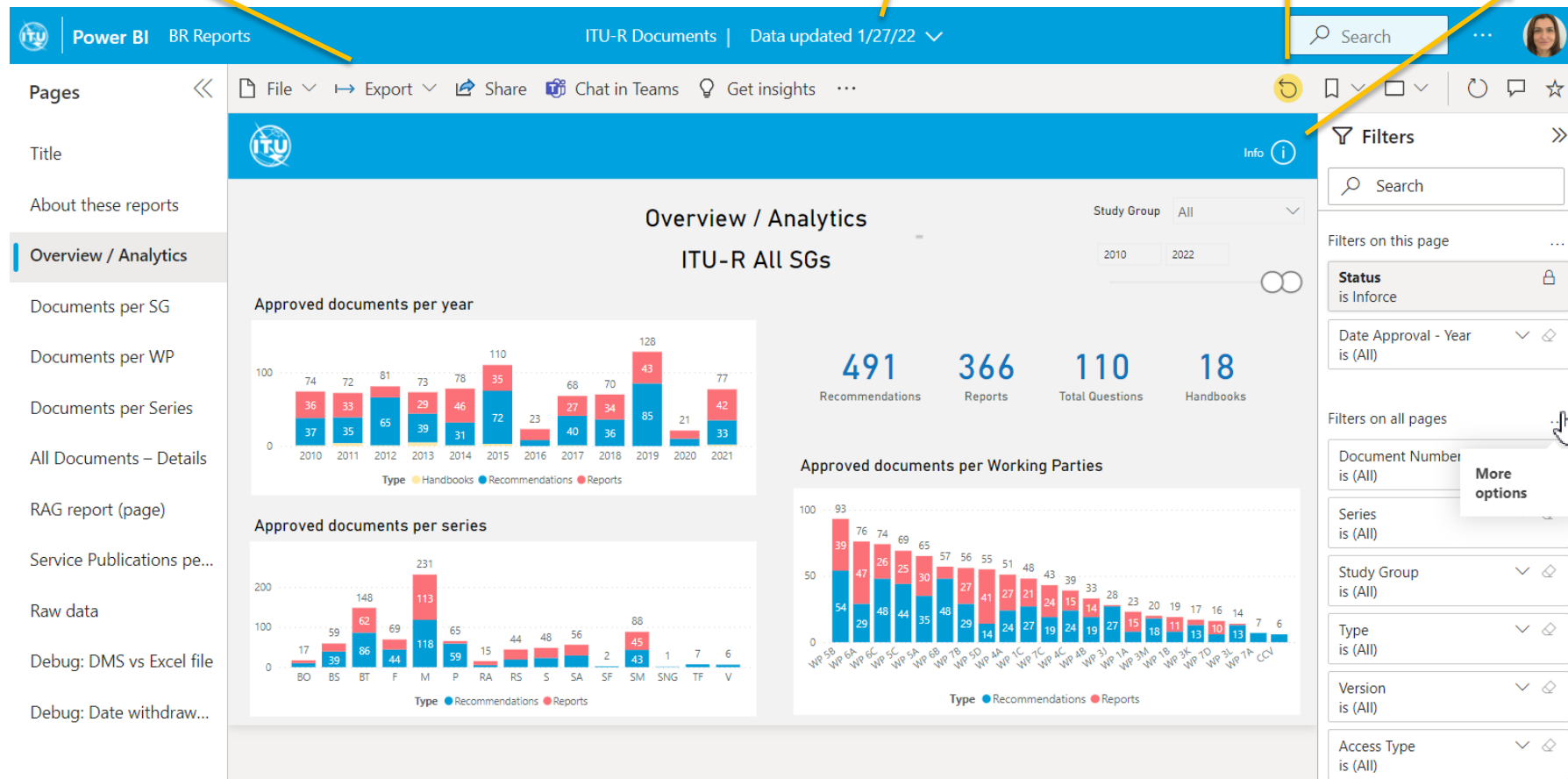
Export to power point, PDF

When the data was updated

Reset

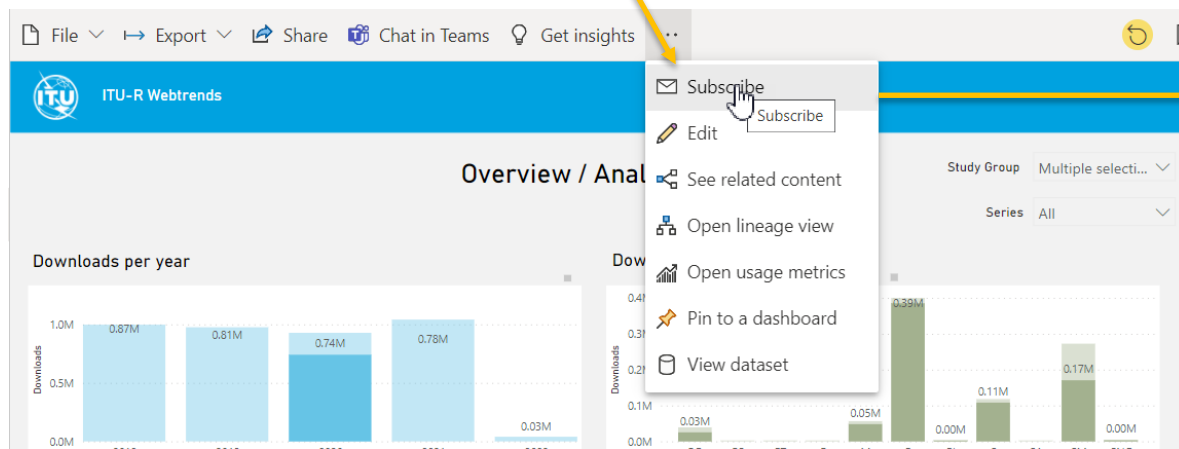
More information

Report pages available



Subscribe to reports

Setup automatic emails notifications with reports you would like to follow



You can set the time / frequency to receive this report

The 'Subscribe to emails' dialog box for ITU-R WEBTRENDS is shown. It features a yellow header bar with '+ Add new subscription'. Below this, a section for 'Overview / Analytics' includes a 'Run now' button (yellow) and a toggle switch set to 'On'. The 'Subscribe' section includes a user profile for 'Lis Lugo Colls' and a text input field for 'Enter email addresses'. The 'Subject' section has a text input field. The 'Report page' section has a dropdown menu set to 'Overview / Analytics'. The 'Frequency' section has a text input field. At the bottom, there are 'Save and close' and 'Cancel' buttons.