

On the revision of the KCDB 2.0

Work done by

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Bureau
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CCM May 2017

CIPM MRA UP TO NOW : CGPM RESOLUTION

CGPM 2014

Resolution 5 On the revision of the CIPM MRA

invites

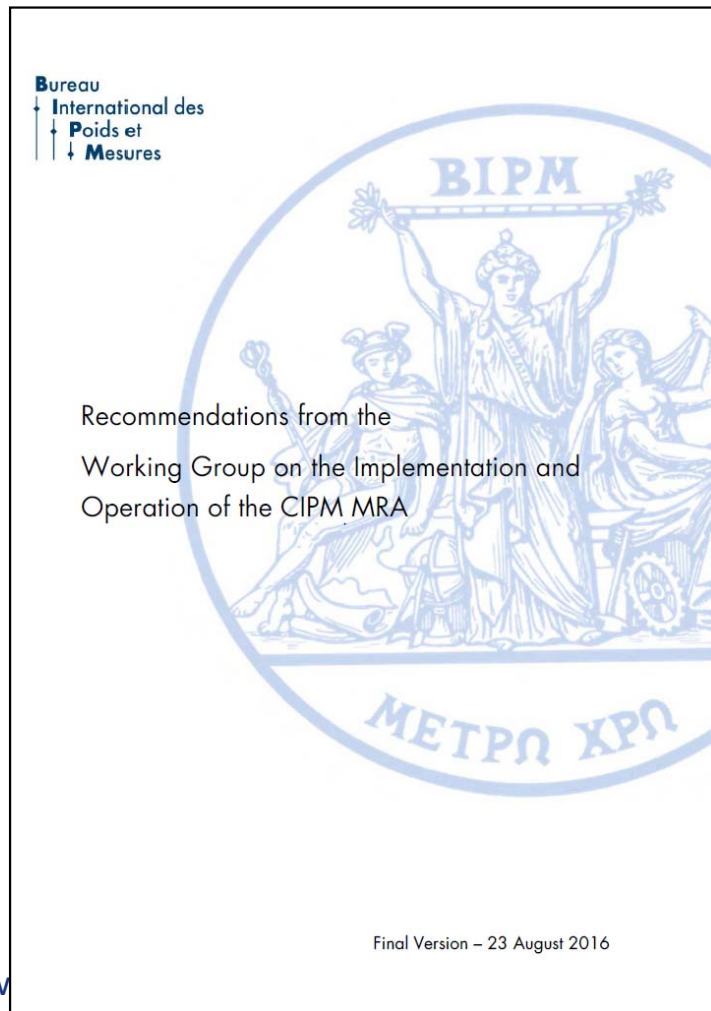
- the Consultative Committees and the JCRB to continue their ongoing efforts to streamline operations within the existing framework, and to prepare for and contribute to the wider review in 2015,
- the CIPM to establish a working group under the chairmanship of its President, with membership to be determined at the 2015 workshop, to conduct a review of the implementation and operation of the CIPM MRA,

CIPM MRA UP TO NOW : NMI DIRECTOR WORKSHOP OCT 2015



CIPM MRA

working group outcome



Plus: *Voice of the people*

- ◆ Use of outdated EXCEL versions and non-validated CMC files produces errors and delays in CMC submissions/revisions
- ◆ Requirements for supporting evidence (QMS, technical) can not be enforced currently: many submissions occur without QMS evidence
- ◆ Batching and debatching (for review purposes) using EXCEL is cumbersome and leads to errors
- ◆ Batched CMC submissions can delay publications if there are problematic entries
 - *CMC review takes too long*
- ◆ Web searching of published CMCs is difficult
- ◆ Comparing published CMCs with similar parameters (ranges, etc.) is difficult

At current rates of CMC submissions, legacy CMCs will still outnumber new submissions for the next 10 to 20 years

**BETTER SEARCH
FACILITIES**

**USERFRIENDLY
WEB SUPPORT**

**WEB BASED CMC
SUBMISSION
AND REVIEW**

**TRACK
COMPARISONS IN
REAL TIME**

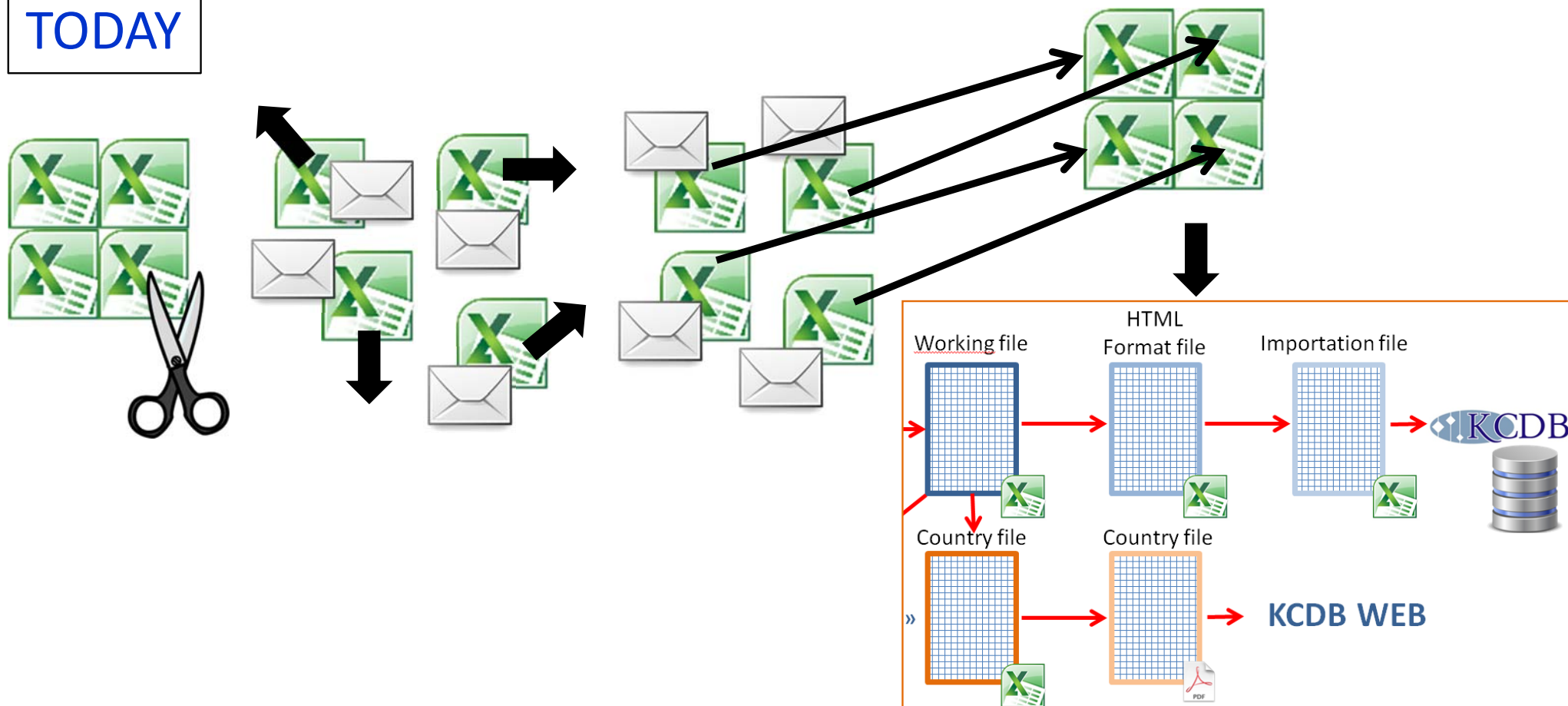
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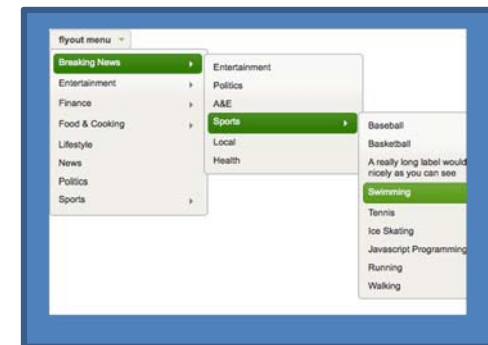
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TODAY



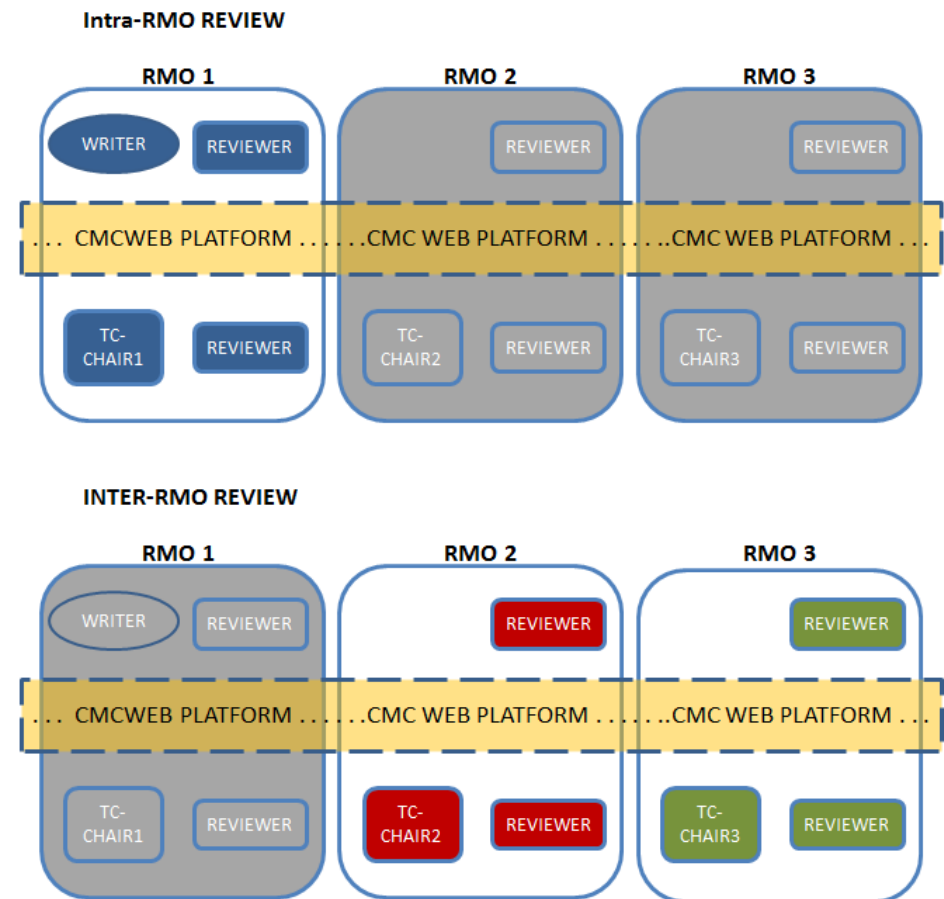


TOMORROW

Review platform was
accessed by 54, now
accessed by almost 1000

WRITER – REVIEWER – FINDER concept

- Sequential access
- Accessible via a user account
- Risk based evaluation included
- Support for both intra and inter RMO review
- No batches but one-by-one



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Key and supplementary comparisons (and pilot studies) - registration and progress form

Comparison conducted by		in	Date:
1. Subfield:		RMO internal identifier	
2. KCDB identifier:			
<small>(for KCs and SCs)</small>		<small>(to be attributed by the BIPM)</small>	
3. Type of comparison:		4. Short description:	
Key <input type="checkbox"/> Supplementary <input type="checkbox"/> Pilot study <input type="checkbox"/>			
5. Measurand and nominal value(s):		Special characters for copying <small>(if required)</small>	
		α β γ Δ δ ε ζ η θ ι κ λ μ	
6. Parameter(s):			
7. Transfer device(s)/sample(s):			
8. Pilot/Coordinating laboratory(ies) <small>(acronyms and countries)</small> :			
9. Participating institutes <small>(acronyms and countries)</small> :			
10. Progress: <small>(please note date and tick appropriate box to indicate current status)</small>			
Date	Status	Pilot	Supplementary
	Planned	<input type="checkbox"/>	<input type="checkbox"/>
	Protocol complete/approved	<input type="checkbox"/>	<input type="checkbox"/>
	In progress	<input type="checkbox"/>	<input type="checkbox"/>
	Measurement completed	<input type="checkbox"/>	<input type="checkbox"/>
	Report in progress	<input type="checkbox"/>	<input type="checkbox"/>
	Report submitted to	<input type="checkbox"/>	<input type="checkbox"/>
	Results approved	<input type="checkbox"/>	<input type="checkbox"/>
	Approved for equivalence	<input type="checkbox"/>	<input type="checkbox"/>
	Abandoned	<input type="checkbox"/>	<input type="checkbox"/>
Comments:		Publication reference:	

Information into database to allow search on progress.

Alerts to pilots with request for update.

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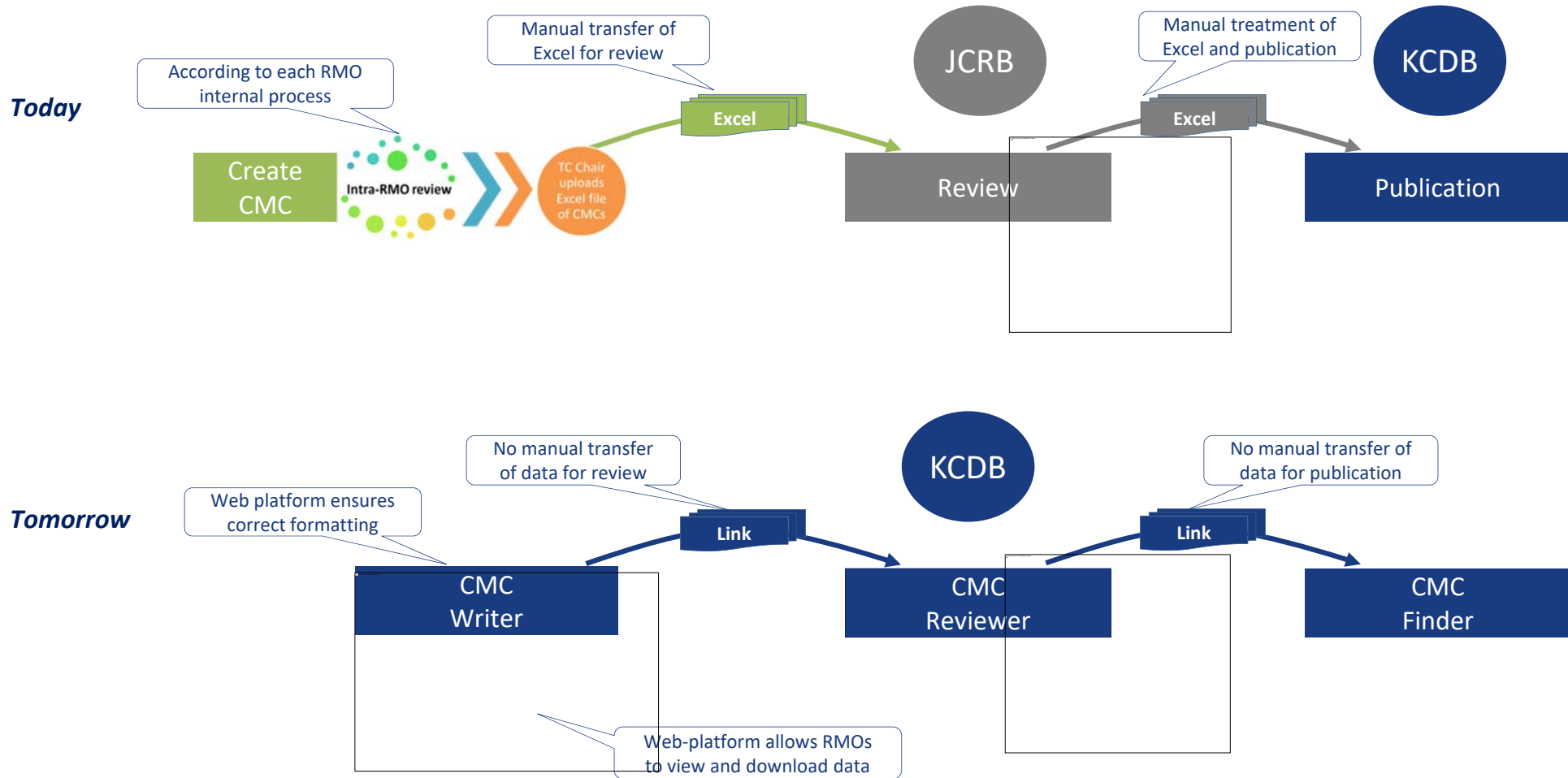
**TRACK
COMPARISONS IN
REAL TIME**

Possibility to search on **value of measurand and uncertainty within a range**

Improved Thesaurus

1. Minor revision on equations and units will be requested, not all concerned
2. Support for thesaurus requested
3. Find slot without CMC publication to go from KCDB 1.0 to 2.0

KCDB 2.0 – *General concept*

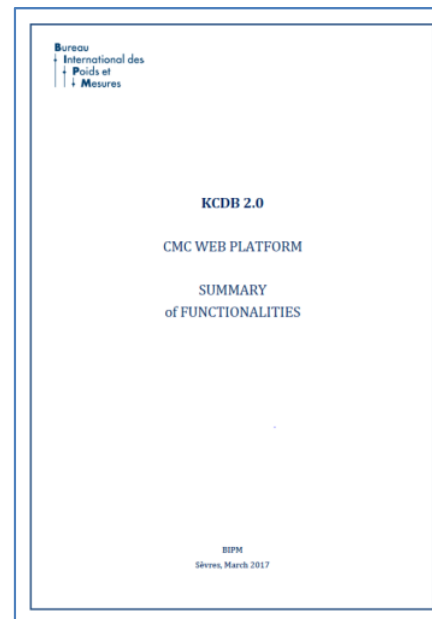
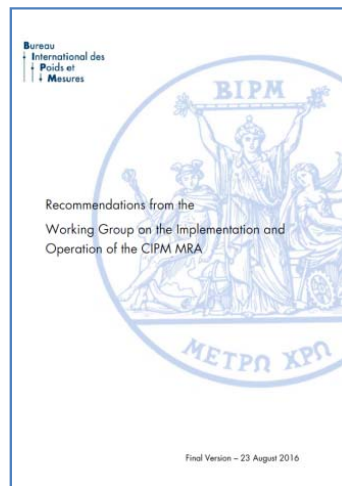


2) Where are we now ?

Alpha version CGPM 2018



↑
Aug 2016



Thank you

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