

Key Results from the General Discussion at the S-RIP 2018 Chapter-lead Meeting

(Summarized on 11 July 2018)

1. Reanalyses
2. Chapters
3. Five Categories for Recommendation Table
4. Appendices
5. Chapter 12 & Executive Summary
6. New Deadlines

1. Reanalyses

- Categorization based on input observations: Full-input, conventional-input, and surface-input reanalyses
- Categorization based on generations: Use the terms “**older**” and “**latest**” (and specify every time which are “older” and which are “latest” in the manuscripts) [Note: do not use the term “generation”]
- Chapter 2 will include the description of ERA5; some chapters show some results from ERA5 [ERA5 will not be fully evaluated in the report]
- Acronyms (for text and figure captions; unnecessary to change figure legends)
 - NCEP-NCAR Reanalysis 1 should be “**R1**” or “NCEP-NCAR R1”
 - NCEP-DOE Reanalysis 2 should be “**R2**” or “NCEP-DOE R2”
 - Use “**MERRA-2**” (not “MERRA2”)
 - Use “**CFSR**” (not “NCEP-CFSR”)
 - Use “**CFSR/CFSv2**” if Jan. 2011– data are also included (use “CFSR” if analysis is made only for –Dec. 2010) [See more information at <https://s-rip.ees.hokudai.ac.jp/resources/links.html>, at “CFSR or CFSR/CFSv2”]

2. Chapters

- We decided not to use “basic” and “advanced” chapter distinction anymore. We do not use these terminologies in the S-RIP Report.
- Titles are changed for Chapters 3, 4, 6, and 9:
 - **Chapter 3: Overview of Temperature and Winds**
 - **Chapter 4: Overview of Ozone and Water Vapour**
 - **Chapter 6: Extratropical Stratosphere-Troposphere Coupling**
 - **Chapter 9: Quasi-Biennial Oscillation**
- Summary Section in each chapter: A template will be prepared by the four editors with the help of Chap. 10 leads
- Acknowledgements Section in each chapter: Regarding scientific discussions, funding for contributors, . . .
 - Common acknowledgements sections will be prepared for (thanks to data providers) and for (data access information)
- **Online supplementary materials PDF for each chapter:**
 - Maybe with just figures and captions
 - This will NOT be included in the printed version; online only
 - We encourage to use this to reduce the number of figures/pages of the main body of the chapter for better readability

3. Five Categories for Recommendation Table

(for each chapter's summary section, and for Chapter 12)

“A particular reanalysis is for a particular diagnostic”

- **Suitable**

- **Demonstrated suitable**
- **Suitable with limitation**

- **To be used with caution**

- **Demonstrated unsuitable**

- **Unevaluated**

- Please use these expressions

- Recommendation Table

- as a key/tag to help readers to quickly find the evaluations
- readers are to further go to the specific chapter section to find the reason of the evaluation
- an example (**with a color assigned for each of the 5 category**) will be included in the summary section template

4. Appendices of the Report (outside each chapter)

- A: List of Acronyms [the wiki page will be updated]
- B: Model Vertical Levels
- C: Description of the Observational Data Sets
 - There is a wiki page for this (sub-pages will be prepared for individual instruments)
 - Will start from Chapter 10 draft (for MLS, MIPAS, CALIOP, GNSS-RO, Concordiasi)
 - Chapter leads will be asked to fill the wiki pages
 - In each chapter “final” manuscript, add a sentence including “see Appendix C for the details”
- D: Acknowledgements to data providers
- E: Information on the data access

5. Chapter 12 & Executive Summary

- We will have both Chapter 12 and Executive Summary (the latter in the beginning of the Report)
- “1.7 Prospects for the Future” in the current Chapter 1 will be moved to Chapter 12
- Contents of Chapter 12:
 - 12.1 Key Findings by Chapter
 - 12.2 Recommendations by Chapter
 - 12.3 Overall Findings
 - 12.4 Overall Recommendations [including the S-RIP survey results, data access issues, documentation issues]
 - 12.5 Prospects for the Future
- Executive Summary: Overall findings and recommendations; more like an abstract (one or two schematic figures (e.g., chapter schematic figure) could be included)

6. New Deadlines

- The deadline of the end of August
 - The four editors need near-final manuscripts by then to read through, to cross-check, and to draft Chapter 12 and Appendices (acronyms, independent measurements, data acknowledgements)
 - The final, final manuscript should be submitted by the end of October
 - (Note: it takes ~6 months for review process, and another ~6 months for SPARC Office to type-setting)
- The deadline extension for ACP/ESSD special issue (currently 31/12/2018) . . . → **31/12/2019** (confirmed)