

OPTIMIZATION OF NWP MODELING FOR OPERATIONAL WEATHER PREDICTION IN UGANDA

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Ph.D Progress Presentation

27th Feb.2017

Advisers:

- Prof. Joachim Reuder, UiB
- Assoc. Prof. Charles Basalirwa, Mak
- Dr. Daniel Waiswa, Mak

- Feb. 2017 activity
- Next steps – planned activities for Mar. 17

1. The wrf paper: "Assessing the Performance of WRF Model in Simulating Rainfall over Western Uganda"

- reviewer's comments addressed
- article re-submitted
- article accepted and now in press

Why the excitement?

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Why the excitement?

Reviewer comment: *This paper presents an interesting case study on the performance of the WRF model. It is written clearly, and is illustrated with figures. I think this manuscript meets the standard of the journal, and I recommend the paper to be accepted by the Journal of Climatology & Weather Forecasting.*

2. WRF users workshop

- on schedule
- necessary preparation: configuring & compiling this week
- invitation date –Dora

Why excitement again?

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Why excitement again?

- **Jochen:** *very important & practical output/outreach from RC1*
- **Godwin:** *I'm anxious to see our forecasters using NWP in their guidance*

3. Ensemble paper

- experiments done
- analysis delayed but about 80% done

News?

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News?

Abstract sent to conference call, ICMWP
<https://www.waset.org>

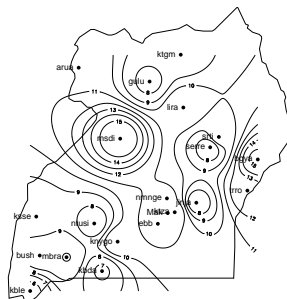
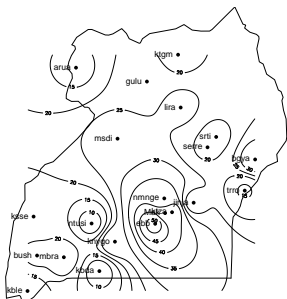
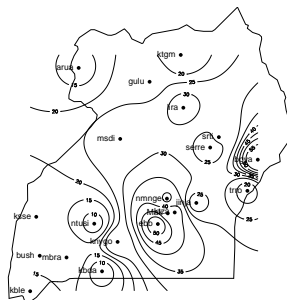
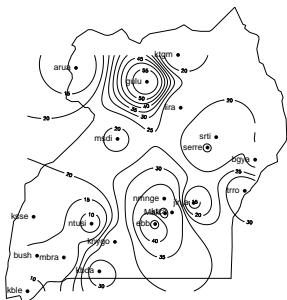
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Submitted Papers

Status	Under Review
Title	Spatial Variation of Wrf Model Rainfall Prediction over Uganda
Paper Code	17UK070109
Type	Abstract Submission
1 Presentation	Oral
Conference Link	2017/07/london/ICMWP
Reviews	Read review(s)

Figure: Conference paper submitted to the 19th International Conference on Meteorology and Weather Prediction London, United Kingdom July 24–25, 2017

3. Ensemble paper –Highlights:RMSE



- WRF users workshop
- ICMWP paper
- Share ensemble paper by 20th Mar. 17
- Department seminar in Mar. 2017
- Writing draft manuscript – 1st draft by 30th Apr. 2017

Where is the sources of energy?

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Where is the sources of energy?



The End:
Thanks for the audience

- Met on suggested research topic
- Guided on WRF configuring & compiling
- Data issues
- General support

**Another End:
Thanks again for the audience**