

Joint (20th) WRF - (2nd) MPAS Users Workshop

Welcome!

185 Registered Participants (14 countries)
~ 40 First timers, 19 students!

11 -14 June 2019
Boulder, Colorado



Some Aspects of Workshop Format

- Monday afternoon (yesterday) lecture series
 - Model Visualization and Analysis Tools
 - Will cover other topics in future workshops (suggestions welcome)
- 52 oral presentations* - no parallel sessions
- Poster session tomorrow afternoon using the full CG auditorium
 - 68 poster presentations
 - Posters will also be viewable during the day on Thursday
- Two discussion sessions:
 - Tuesday: User forum, GitHub, Contributed code, Common physics
 - Thursday: Model unification issues, WRF-Chem support
- All abstracts are posted in the online agenda:
(<http://www2.mmm.ucar.edu/wrf/users/>)



* <12 min presentation, >3 min discussion; Please keep on schedule!

Joint WRF/MPAS Users Workshop Agenda

MONDAY – JUNE 10, 2019 (Lecture Series)		
Pre-Registration 12:30 – 01:30		
An Overview of Atmospheric Model Visualization and Analysis Tools and Approaches 1:30 – 5:00		
TUESDAY – JUNE 11, 2019	WEDNESDAY – JUNE 12, 2019	THURSDAY – JUNE 13, 2019
Registration and Coffee <i>Registration between</i> 07:30 – 8:30	Coffee	Coffee
Session 1: Annual Model Development Updates 08:45 – 9:50	Session 5: WRF-Chemistry – Development and Testing 08:30 – 10:00	Parallel Session 8: Model Evaluation (Part 2) 08:30 – 10:00
Coffee Break 9:50 – 10:15	Coffee Break 10:00 – 10:30	Coffee Break 10:00 – 10:30
Session 2: Other Model Developments 10:15 – 12:00 12:05 – Group photo	Session 6: Model Evaluation (Part 1) 10:30 – 12:00	Session 9: Physics Development and Testing 10:30 – 12:00
Lunch Break 12:00 – 01:30 wrfhelp desk in CG1 Atrium from 12:30 – 1:30	Lunch Break 12:00 – 01:30 wrfhelp desk in CG1 Atrium from 12:30 – 1:30	Lunch Break 12:00 to 01:30 wrfhelp desk in CG1 Atrium from 12:30 – 1:30
Session 3: Software Development 01:30 – 03:00	Poster Set-up 01:15 – 01:30 Session 7: Poster Session 01:30 – 04:30 Odd-numbered posters: 01:30 – 02:30 Even-numbered posters: 02:30 – 03:30 Free Poster Viewing: 03:30 – 04:30 (with refreshments) Posters will be left up for Thursday	Session10: Everything Else You Wanted to Know about WRF and MPAS 01:30 – 03:00
Coffee Break 03:00 – 03:30		Coffee Break 03:00 – 03:30
Session 4: Data Assimilation – Development and Testing 03:30 – 04:30 Plenary Discussion on User Support Update and How to Use Git and GitHub 04:30 – 05:30 Information Exchange 05:30 – 07:00		Wrap-up Discussion: NCAR's Model Unification Effort, WRF-Chem support 03:30 – 04:30

Friday, 14 June 2019

WRF Related Instructional Sessions

- WRF in Amazon Web Services (WRF in the Cloud) 8:30 – 10:00
(CG1 – Center Auditorium)
- VAPOR 8:30 – 10:00
(CG2 – Classroom)
- WRF-Python 10:30 – 12:00
(CG1 – Center Auditorium)
- WRF Workflow with Scala Computing 10:30 – 11:30
(CG1 – South Auditorium)

Thanks to Scala for helping to support this workshop!

Online survey questionnaire will be sent out following workshop. Please respond, your feedback is important for future workshop planning!





WELCOME TO NCAR|UCAR!

Please join us in our effort to be a
Zero Waste Facility!



Composting at UCAR

What's Compostable?

COMPOSTABLE PAPER



dark & bright-colored paper
papel de colores oscuros
y brillantes



coffee grounds & filter
residuos del café



napkins
servilletas



paper towels
papel toallas



greasy or waxed cardboard
cartón con grasa o cera

PAPEL COMPOSTABLE

FOODS & PLANTS



plant trimmings
plantas cortadas

ALIMENTOS Y PLANTAS

CERTIFIED COMPOSTABLE PRODUCTS



paper only, no plastic coating
sólo papel sin recubrimiento plástico



Trust these
compostable product
labels:
Estas etiquetas
indican que el
producto se puede
compostar:



NatureWorks LLC

Ingeo

PRODUCTOS COMPOSTABLES CERTIFICADOS



ALL of the
disposable
kitchenware at
UCAR is
compostable!
(Including straws)



Recycling at UCAR

What's Recyclable?

PAPER & CARDBOARD



PAPEL Y CARTÓN

CONTAINERS

EMPTY & RINSE, DO NOT FLATTEN



ENVASES

VACÍE Y ENJUAGUE, NO LOS APLANE



PLASTIC BOTTLES, TUBS, JUGS, JARS

EMPTY & RINSE, DO NOT FLATTEN



BOTELLAS, JARRAS, FRASCOS, RECIPIENTES PLÁSTICOS

VACÍE Y ENJUAGUE, NO LOS APLANE

UCAR offers "Single-Stream" recycling, which means all accepted recyclable items can go together in the same bin.

