

WMO Training Course on Weather Forecasting - and beyond - for Regional Meteorological Centers

**17-28 November 2025
Cachoeira Paulista, SP, Brazil**

Agenda

Monday 17 November		
Time	Activity	Responsible
8:30	Registration	Julia Carvalho/Marília Gregorio
9:00	Opening CGCT Coordination	José Antônio Aravéquia
9:15	WMO Region III/IV Presentation	Daniel Vila
9:30 9:45 10:00 10:15	CGCT Presentations: DIIAV presentation DIPTC presentation DISSM presentation MONAN introduction	Celso von Radow (15 min) Enver Ramirez (15 min) Renato Galante (15 min) Pedro Leite da Silva Dias
10:30	Break	
11:00 11:30 11:45	DIMNT/MONAN Presentation Marinha do Brasil INMET	Saulo Freitas Fellipe Romão Morgana Almeida
12:00	Round table	Ariane/Rosio
12:30	Lunch	
14:00	Poster session	João Messias/Rose Odorizi
15:30	Break	
16:00	NWP Overview Data reception and processing	Eduardo Barbosa
16:30	Data assimilation + Initial condition (50 min)	Carlos Bastarz
17:20	Numerical Weather and Climate prediction products (20 min)	José Alberto Ferreira

17:40		End of the day

Tuesday 18 November		
Time	Activity	Responsible
8:00	Daily Briefing	Gustavo Escobar/Diego Pedroso/Fellipe Romão/José Manuel Galvez
9:00	Dynamic Core <ul style="list-style-type: none"> - Basic concepts of the governing equations - Basic concepts of the grid, discretization method, and operators used by MONAN 	Pedro Peixoto
10:30	Break	
11:00	Hands-on grid generation	Pedro Peixoto
12:00	Lunch	
14:00	Hands-on MONAN (idealized case) <ul style="list-style-type: none"> - Case presentation - Install, compile, configure and run a simple case with idealized initial conditions 	Pedro Peixoto / Paulo Kubota / Guilherme Mendonça e Felipe Alves
15:30	Break	
16:00	Hands-on MONAN (idealized case) <ul style="list-style-type: none"> - Install, compile, configure and run a simple case with idealized initial conditions 	Pedro Peixoto / Paulo Kubota / Guilherme Mendonça/ Felipe Alves
18:00	End of the day	

Wednesday 19 November		
Time	Activity	Responsible
8:00	Daily Briefing	Gustavo Escobar/Diego Pedroso/Fellipe Romão/José Manuel Galvez
9:00	Physical Parametrizations	Paulo Kubota

10:00	Break	
10:30	Hands-on MONAN (real case) <ul style="list-style-type: none"> - Case presentation - Install, compile, configure and run real-case simulation with a grid built by the participants and real-data initial conditions <p>Case: https://www.canva.com/design/DAG12r0AyUU/sZfZk8xb9T4rvgOhPoElxw/view?utm_content=DAG12r0AyUU&utm_campaign=designshare&utm_medium=link&utm_source=viewer</p>	Danilo Souza / Guilherme Mendonça/ Paulo Kubota / Pedro Peixoto
12:00	Lunch	
14:00	Hands-on MONAN (real case) <ul style="list-style-type: none"> - Install, compile, configure and run a real-case simulation with a grid built by the participants and real-data initial conditions 	Danilo Souza / Guilherme Mendonça/ Paulo Kubota / Pedro Peixoto
15:30	Break	
16:00	Hands-on MONAN (real case) <ul style="list-style-type: none"> - Install, compile, configure and run a real-case simulation with a grid built by the participants and real-data initial conditions 	Danilo Souza / Guilherme Mendonça/ Paulo Kubota / Pedro Peixoto
18:00	End of the day	

Thursday 20 November		
Time	Activity	Responsible
8:00	Daily Briefing	Gustavo Escobar/Diego Pedroso/Fellipe Romão/José Manuel Galvez
10:00	Break	
10:30	End of the day	

Friday 21 November		
Time	Activity	Responsible
8:00	Daily Briefing	Gustavo Escobar/Diego Pedroso/Fellipe Romão/José Manuel Galvez
9:00	Programa BIG-INPE	Alex/Felipe Odorizi
10:00	Break	
10:30	WINGRIDDS	José Manuel Galvez
12:00	Lunch	
14:00	DIPTC/CGCT/INPE Validation Group: July 2025 Case	Bruno Miranda
15:30	Break	
16:00	Tornado occurrences in Brazil	Ernani L. Nascimento
17:00	End of the day	

Monday 24 November		
Time	Activity	Responsible
8:00	Daily Briefing	Gustavo Escobar/Diego Pedroso/Fellipe Romão/José Manuel Galvez
9:00	Multiscale prediction of extreme events: Short-term <ul style="list-style-type: none"> - Nowcasting (introduction, definition, applications, data sources/models, techniques, limitations) - Operational nowcasting products using AI 	Thiago Biscaro
10:00	Break	
10:30	Cordoba Case: <ul style="list-style-type: none"> - Diagnoses & Impacts - Simulation - Evaluation 	Thiago Biscaro / Bruno Miranda
12:00	Lunch	

14:00	MJO Analysis	Lais Fernandes
15:30	Break	
16:00	Rio Grande do Sul Rainfall Case: - Diagnoses & Impacts - Simulation - Evaluation	Gustavo Escobar/Morgana Almeida/Luiz Kondraski/Lais Fernandes
18:00	End of the day	

Tuesday 25 November		
Time	Activity	Responsible
8:00	Daily Briefing	Gustavo Escobar/Diego Pedroso/Fellipe Romão/José Manuel Galvez
9:00	MET	Julio Pablo Fernandez
10:00	Break	
10:30	MET	Julio Pablo Fernandez
12:00	Lunch	
14:00	MODE/MET Exercise	Glicia Garcia
15:30	Break	
16:00	Zonda Case: - Diagnoses & Impacts - Simulation - Evaluation	Federico Otero/Luiz Kondraski
17:00	End of the day	

Wednesday 26 November		
Time	Activity	Responsible
8:00	Daily Briefing	Gustavo Escobar/Diego Pedroso/Fellipe Romão/José Manuel Galvez
9:00	Zonda Case: - Diagnoses & Impacts - Simulation - Evaluation	Federico Otero / Luiz Kondraski
10:30	Break	
11:00	Cyclone Yaku: - Tools - Diagnoses & Impacts - Simulation - Evaluation	José Manuel Galvez Diogo Arsego Marcos Vianna/Lais Fernandes
12:00	Lunch	
14:00	Cyclone Yaku: - Diagnoses & Impacts - Simulation - Evaluation	José Manuel Galvez Diogo Arsego Marcos Vianna/Lais Fernandes
15:30	Break	
16:00	Heat Wave Case: - Diagnoses & Impacts - Simulation - Evaluation	Glicia Garcia/ Ariane Frassoni/ Morgana Almeida/Lais Fernandes
17:00	End of the day	

Thursday 27 November		
Time	Activity	Responsible
8:00	Daily Briefing	Gustavo Escobar/Diego Pedroso/Fellipe Romão/José Manuel Galvez
9:00	Heat wave Case: - Diagnoses & Impacts - Simulation - Evaluation	Glicia Garcia/ Ariane Frassoni/ Morgana Almeida/Lais Fernandes
10:00	Break	
10:30	Heat wave Case: - Diagnoses & Impacts - Simulation - Evaluation	Glicia Garcia/ Ariane Frassoni/ Morgana Almeida/Lais Fernandes
12:00	Lunch	
14:00	Julia Hurricane: - Diagnoses & Impacts - Simulation - Evaluation	José Manuel Galvez / Marcos Vianna/Lais Fernandes
15:30	Break	
16:00	Julia Hurricane: - Diagnoses & Impacts - Simulation - Evaluation	José Manuel Galvez / Marcos Vianna/Lais Fernandes
17:00	End of the day	

Friday 28 November		
Time	Activity	Responsible
8:00	Daily Briefing	Gustavo Escobar/Diego Pedroso/Fellipe Romão/José Manuel Galvez
9:00	Participant Presentations	Cuba, El Salvador, Ecuador, Uruguay, Costa Rica
10:00	Break	
10:30	Participant Presentations	Paraguay, República Dominicana, Bolívia, Panamá
12:00	Lunch	
14:00	Participant Presentations	México, Brasil, Costa Rica, Colombia, Perú, Argentina, Chile
15:30	Break	
16:30	Closing session	
17:00	End of the day	