



3rd Meeting of the GCOS Surface Climate Reference Network Task Team (GSRN-TT-3)

Xi' An, China
14-18 October 2024

DRAFT AGENDA

Day 1: Monday 14 October 2024

Time	N.	Item	Lead/Presenter	Notes/outcome	Docs
09:00-10:30	1.	Official opening of the meeting			
(30 mins)	1.1	Opening statement from CMA	Deputy/directors (CMA)		
(20 mins)	1.2	Statement from WMO-GCOS Director	Nir Stav – Director of WMO Infrastructure Dept and of GCOS		
(20 mins)	1.3	General overview on GSRN	Tilman Holfelder, Sarah Gallagher		
(20 min)	1.4	Report on the overall progress of the GSRN-lead center	Lei Yong		
10:30-11:00	Tea/Coffee Break and Picture				
11:00-12:00	2.	Visit of the Xi'An Operational Platform			
12:30-14:00	Lunch and rest				
14:00-16:00	3.	Site visit to experimental site near Xi'An			
	3.1	Presentation of the research site and the setup of the experiment	LC – Jianxia Guo		
16:00-16:20	3.2	Report on analysis results of air temperature uncertainty experiment in Xian	Jianxia Guo		
16:20-17:00	3.3	Wrap up discussion about the experiment			
End of Day 1					

18:00 Banquet

Day 2: Tuesday 15 October 2024

Time	N.	Item	Lead/Presenter	Notes/outcome	Docs
09:00-10:30	4.	Start of the meeting			
(10 mins)	4.1	Welcome from the chairs	Sarah Gallagher, Tilman Holfelder – cochairs of GSRN- TT		
(10 mins)	4.2	Structure of the meeting and adoption of agenda	Sarah Gallagher, Tilman Holfelder	Agreed agenda, including additional items	Agenda
(20 mins)	4.3	Tour the table	All		
(20 min)	4.4	Short overview of the status of GRUAN	Ruud Dirksen		
(10 mins)	4.5	Logistics	Nicole Guo		
10:30-11:00	Tea/Coffee Break				
11:00-12:00	5.	Status Reports			
	5.1	Task Team			
(15 mins)	5.1.1	TT-GSRN (Work Plan)	Co-chairs of GSRN- TT	High-level info summary. No discussion	
(15 mins)	5.1.2	GSRN-LC (Work Plan)	GSRN-LC	High-level info summary. No discussion	
(15 mins)	5.1.3	GSRN (Pilot) IP	Tim Oakley (SG4)	High-level info summary. No discussion	
(15 mins)	5.1.4	Requirements	Andrea Merlone/ Andrew Harper (SG3)	High-level info summary. No discussion	
12:00-14:00	Lunch				
14:00-15:30	5.2	GSRN(Pilot) Metadata: status, successes and issues			
(45 mins)	5.2.1	Station Level Metadata <ul style="list-style-type: none"> Management and application of GSRN pilot stations metadata in system 	Qin Shiguang	Review of database holdings, gaps and issues. Action to address gaps and issues	Presentation: 25 min, leave 20 min for discussion
(45 mins)	5.2.2	Measurement Level Metadata <ul style="list-style-type: none"> Measurement metadata progress and analysis 	Chong Wei	Review of database holdings, gaps and issues. Action to address gaps and issues	Presentation: 25 min, leave 20 min for discussion
15:30-15:45	Tea/Coffee Break				
15:45-16:30	5.3	GSRN(Pilot) Operational practices			

	5.3.1	Dedicated discussion with in-person pilot station experts Stations from China, New Zealand, Canada, Switzerland, Germany, UK	Individual representative from each county	Short presentation on station status (max. 10 min presentation for each country). Discussion on progress and issues. Action to address gaps and issues	
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End of Day 2

Day 3: Wednesday 16 October 2024

- Visit Shanxi Meteorological Service – Invitation by Yang Ling (only GSRN foreign attendees)
- Visit Baqiao District Meteorological Service

Afternoon: cultural visit

Day 4: Thursday 17 October 2024

Time	N.	Item	Lead/Presenter	Notes/outcome	Docs
09:00-10:30	5.3.2	Review of other pilot stations			
	5.3.3	Discussion on 'common' issues from 5.3.1 & 5.3.2	Tim Oakley	Additional discussion time on 'common' issues raised during the individual GSRN (pilot) presentations.	
10:30-11:00	Tea/Coffee Break				
11:00-11:30 (15'+15')	5.3.4	Progress on development of GSRN operational system	Qin Shiguang	Review and discussion	
11:30-12:00 (15'+15')	5.3.5	Introduction to data transmission of the GSRN pilot stations	Liu Yiming	Review and discussion	
12:00-14:00	Lunch				
14:00-15:45	6.	Data Product and uncertainty			
(15')	6.1	Station Level data	Qin Shiguang and Liu Yiming	Does it work, any issues with the data provided	
(15')	6.2	Calculation of uncertainty in GRUAN	Ruud Dirksen	Focus on topics that could be comparable to what GSRN (AQI?)	
(15'+15')	6.3	High temporal resolution data product-temperature + discussion	Jianxia Guo and Jia Wang	Structure, determination of the uncertainty and corrections components	
(15'+15')	6.4	High temporal resolution data product-precipitation discussion	Jianxia Guo and Jia Wang	Structure, determination of the uncertainty and corrections components	
15:45-16:00	Tea/Coffee Break				

16:00-17:30 (15'+20')	7. 7.1	GSRN Data Product and users' need Calculation of hourly, daily, monthly data products for temperature	Jianxia Guo	Daily products and others Status of knowledge based on the "Product User Guide and Specification for USCRN Near Surface Temperature (NST) measurements"
(15'+25')	7.2	User' needs	Xioalan Wang (TBC)	What are the user needs?

End of Day 4

Day 5: Friday 18 October 2024

Time	N.	Item	Lead/Presenter	Notes/outcome	Docs
09:00-10:15	6.	Data product and uncertainty (cont.)			
	6.4	Continue discussion and agree on a way forward	Co-chairs		
10:15-10:30	Tea/Coffee Break				
10:30-12:00	8.	Research and outreach			
	8.1	Research and outreach	Andrea Merlone	Status of planned research projects (e.g. EURAMET)	
(20')	8.2	Research on uncertainty evaluation method of air temperature measurement	Zhao Xu		
	8.3	Next steps for research, collaboration with SC-MINT	Tilman Holfelder		
12:00-14:00	Lunch				
14:00-17:00	9.	Prioritization of issues Workplan Update to IP for GSRN(Pilot) phase Preparation for INFCOM 4 Challenges Timeline and meeting plan (i.e. workshop with stations experts)	Sarah Gallagher, Tilman Holfelder		

End of Day 5 – End of meeting