

#### 26-30 September 2022

Monday, 26 September 2022				
Time	Торіс	Chair/ Speaker		
13:30	Registration ISSI, Hallerstrasse 6, 1 <sup>st</sup> floor			
14:00-14:30	Welcome and introduction to the ISSI workshop on the global water-energy cycle	M. Rast & B. Meyssignac		
14:30-17:10	Global energy budget : closure and consitency			
14:30-15:10	The NASA NEWS consistency experiment	T. L'Ecuyer et al.		
15:10-15:50	Evaluation of CMIP6 models using consistent global water and energy fluxes	R. Roca		
15:50-16:30	ESMO, the new core project of WCRP	J. Schultz		
16:30-16:50	Coffee Break			
16:50-18:00	Discussion on consitency			
18:30	Welcome Reception - Hallerstrasse 6, 1 <sup>st</sup> floor			



#### 26-30 September 2022

Tuesday, 27 September 2022			
Time	Торіс	Speaker	
08:30-12:25	Earth Energy Imbalance		
08:30-09:05	Spectrally resolved radiation	H. Brindley	
09:05-09:40	Measuring Earth's Energy Imbalance From Space	M. Hakuba	
09:40-10:15	The Earth Climate Observatory: a new space mission concept for the monitoring of the Earth Energy Imbalance	S. Dewitte	
10:15-10:35	Coffee Break		
10:35-11:10	Trends in EEI	N. Loeb	
11:10-11:45	Long term monitoring of Earth's energy balance and water cycle	R. Allan	
11:45-12:25	Constraint on ECS from historical EEI observations	B. Meyssignac	
12:25-14:00	Lunch		
14:00-17:15	Subsurface storage: ocean heat uptake, land water storage		
14:00-14:35	OHC status	T. Boyer	
14:35-15:10	Global High-Resolution Random Forest Regression Maps of Ocean Heat Content Anomalies Using in Situ and Satellite Data	J.Lyman	
15:10-15:45	Attempting Observation-Based Closure of Earth's Seasonal Energy Budget	G.C. Johnson	
15:45-16:20	EEI from space altimetry and space gravimetry, causes of the Non-closure of the sea level since 2015	A. Barnoud	
16:20-16:55	Progress and challenges in monitoring subsurface water storage changes	M. Rodell	
16:55-17:15	Coffee Break		
17:15-18:00	Discussion on Earth energy imbalance, ocean heat uptake and land water storage		



#### 26-30 September 2022

Wednesday, 28 September 2022				
Time	Торіс	Speaker		
08:30-10:15	Atmospheric fluxes			
08:30-09:05	Water vapor in the atmosphere	H. Brogniez		
09:05-09:40	Testing reanalyses water and energy cycles	M. Bosilovich		
09:40-10:15	Energy budget in reanalysis	M. Mayer		
10:15-10:35	Coffee Break			
10:35-12:20	Deep convection			
10:35-11:10	Progress toward the next generation of the International Satellite Cloud Climatology Project (ISCCP)	A.Heidinger		
11:10-11:45	MCS climatology	T. Fiolleau		
11:45-12:20	The decade of convection	G. Stephens		
12:20-14:00	Lunch			
14:00-14:40	Observational assessment of radiative-convective feedbacks in the tropics	H. Masunaga		
14:40-15:20	Physical linkages between deep convection and ECS	K. Schiro		
15:20-16:00	Pattern effect in the tropics	T. Andrews		
16:00-16:20	Coffee Break			
16:20-17:20	Discussion on atmospheric fluxes, convection, pattern effect			
19:00	Workshop Dinner at the Restaurant Rosengarten			



## 26-30 September 2022

Thursday, 29 September 2022				
Time	Торіс	Speaker		
8:30-09:50	Surface fluxes			
08:30-09:10	Regional energy budget	S. Kato		
09:10-09:50	The BSRN network	Ch. Lanconneli		
09:50-10:30	Surface energy budget	M. Wild		
10:30-10:50	Coffee Break			
10:50-11:30	Extreme precipitation over the tropical oceans	R. Roca		
11:30-12:10	New precipitation products for climate science	A. Behrangi		
12:10-14:00	Lunch			
14:00-14:40	Land water cycle and droughts in a warming climate	S. Seneviratne		
14:40-15:20	Last assessment of evaportaion over the ocean	M. Schröder/R. Hollman		
15:20-16:00	Inverse modelling and consistency with ocean heat transport	K. Haines		
16:00-16:40	Discussion on surface fluxes			
16:40-17:00	Coffee Break			
17:00-18:00	General discussion on the ISSI book outline			



26-30 September 2022

Friday, 30 September 2022				
Time	Торіс	Speaker		
8:30-13:00	GDAP meeting			
13:00	End of Workshop			

Last update: 23 September 2022