MONDAY 1	1 January, 2016	Room 205, 2 <sup>nd</sup> floor
08:30-09:00	Registration	ISSI, Hallerstrasse 6, 1 <sup>st</sup> floor
09:00-09:15	Welcome, Introduction to ISSI, workshop origin and objectives	Michel Blanc, Helmut Lammer
		Chairperson: Helmut Lammer
09:15-09:45	Introductory talk: The importance of water in the Universe and for habitability	Frances Westall
Session 1	The environment of the young star, including the circumstellar disk	
09:45-10:15	Structure of the Young Star's environment and radiation output	Manuel Güdel
10:15-10:45	Coffee break	
10:45-11:15	Observational constraints on disk structure and evolution (both gas and dust)	Lee Hartman
11:15-11:45	Models of disk gas evolution (disk structure, evolution, photo-evaporation and time scales)	Richard Alexander
11:45-12:15	Condensation profiles for the different chemical species and solid evolution	Fred Ciesla
12:15-14:00	Lunch	Chairmaran, Vann Alibart
14:00-14:30	Constraints from the meteorite record. 1- Chemistry	Chairperson: Yann Alibert Conel Alexander
14:30-15:00	Constraints from the meteorite record. 2. Chronology	Kevin Mc Keegan
15:00-15:30	Constraints from the Rosetta mission	Kathrin Altwegg
15.00.10.00	0.00	
15:30-16:00	Coffee break	
16:00-16:30	Thermal evolution of planetesimals (water alteration, water losses, predictions for planetary systems with different initial contents of <sup>26</sup> Al )	Gregor Golabek
16:30-17:00	General discussion	
17:00	Welcome reception	

TUESDAY 12 January, 2016		Room 205, 2 <sup>nd</sup> floor
Session 2	Giant planets and satellites formation	Chairperson: Alessandro Morbidelli
09:00-09:30	Giant planets formation and role of ice	Anders Johansen
09:30-10:00	Migration	Sijme-Jan Paardekooper
10:00-10:30	Gas accretion and formation of the circumplanetary disk	Oliver Gressel
10:30-11:00	Coffee break	
11:00-11:30	Sources of the solids and formation of the satellites	Sébastien Charnoz
Session 3	Terrestrial planets formation	
11:30-12:00	Terrestrial planets formation	Sean Raymond
12:00-12:30	Mechanisms of water delivery	David O'Brien
12:30-14:00	Lunch	
		Chairperson: Lindy Elkins-Tanton
14:00-14:30	Origin of planetary water. Constraints from D/H, light elements and noble gases	Henner Busemann
14:30-15:00	Earth total water content	Anne Peslier
15:00-15:30	Origin of Earth volatiles. Constraints from partitioning experiments	D. C. Rubie
15:30-16:00	Coffee break	
16:00-16:30	Differentiation of a water-rich body	Julien Monteux
16:30-17:00	Timing of Earth volatile accretion	Maria Schoenbaechler
17:00-17:30	First book discussion	A. Morbidelli/M. Blanc

WEDNESDA	Y 13 January, 2016	Room 205, 2 <sup>nd</sup> floor
Session 3 (cont'd)		Chairperson: Maria Schoenbaechler
09:00-09:30	Water in the moon	Shun-Ichiro Karato
09:30-10:00	Water on Mercury, Venus, Mars and Vesta	James P. Greenwood
10:00-10:30	Extra-solar planets: constraints from their bulk composition	Heike Rauer
10:30-11:00	Coffee break	
Session 4	Processes affecting the water budget	
11:00-11:30	Role of magma ocean and primitive atmospheres for the hydration of planetary embryos	Masahiro Ikoma
11:30-12:00	Escape of water and volatiles from large planetary embryos	Petra Odert
12:00-12:30	Degassing of the magma ocean	Lindy Elkins-Tanton
12:30-14:00	Lunch	
All afternoon	Free time to visit the attractions of Bern and around All ISSI rooms are available for small group discussions	
19.30	Workshop dinner (Kornhauskeller restaurant)	

THURSDAY 14 January, 2016 WTI, S		ilva Casa Auditorium, ground floor
Session 4 (cont'd)		Chairperson: Keiko Hamano
09:00-09:30	Evolution of the steam atmosphere and ocean formation	Yutaka Abe
09:30-10:00	Impact losses of early atmospheres – volatile budget by impacts	Hilke Schlichting
10:00-10:30	Constraints on atmospheric losses from geochemistry	Sujoy Mukhopadhyay
10:30-11:00	Coffee break	
11:00-11:30	Loss of water over time from Venus, Earth and Mars	Feng Tian
11:30-12:00	Extreme water loss and abiotic oxygen build-up on planets through the habitable zone	Rodrigo Luger (by skype)
12:00-12:30	General discussion	
12:30-14:00	Lunch	
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Session 5	Young scientists session	Chairperson: Sean Raymond
14:00-14:20	Modelling collisions between solid, self-gravitating bodies	Chairperson: Sean Raymond Christoph Schaefer
	Modelling collisions between solid, self-gravitating	
14:00-14:20	Modelling collisions between solid, self-gravitating bodies	Christoph Schaefer
14:00-14:20 14:20-14:40	Modelling collisions between solid, self-gravitating bodies Growing planets with water-rich envelopes Isotopic Enrichment of Forming Planetary Systems via	Christoph Schaefer Julia Venturini
14:00-14:20 14:20-14:40 14:40-15:00	Modelling collisions between solid, self-gravitating bodies Growing planets with water-rich envelopes Isotopic Enrichment of Forming Planetary Systems via Supernova Pollution Putting Hot Super-Earths, extrasolar terrestrial planets	Christoph Schaefer  Julia Venturini  Tim Lichtenberg
14:00-14:20 14:20-14:40 14:40-15:00 15:00-15:20	Modelling collisions between solid, self-gravitating bodies  Growing planets with water-rich envelopes Isotopic Enrichment of Forming Planetary Systems via Supernova Pollution Putting Hot Super-Earths, extrasolar terrestrial planets and gas-giant planets in context	Christoph Schaefer  Julia Venturini  Tim Lichtenberg
14:00-14:20 14:20-14:40 14:40-15:00 15:00-15:20 15:20-16:00	Modelling collisions between solid, self-gravitating bodies  Growing planets with water-rich envelopes Isotopic Enrichment of Forming Planetary Systems via Supernova Pollution Putting Hot Super-Earths, extrasolar terrestrial planets and gas-giant planets in context  Coffee break	Christoph Schaefer  Julia Venturini  Tim Lichtenberg  Andre Izidoro
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FRIDAY 15 January, 2016		WTI, Silva Casa Auditorium, ground floor	
Session 6 (cont'd)		Chairperson: Michel Blanc	
09:00-09:30	Future relevant Solar System observations	Olivier Grasset	
09:30-10:00	Possible habitability of water worlds	Lena Noack	
10:00-10:30	Space and ground-based future observations of w on planets	rater Michael Meyer	
10:30-11:00	Coffee break		
11:00-11:30	Summary talk	Alessandro Morbidelli	
11:30-12:30	Book discussion (authors Book plans, actions, schedule)	A. Morbidelli/M. Blanc	
	End of Workshop		