

# **KARTHAUS-2013**

## **ICE SHEETS AND GLACIERS IN THE CLIMATE SYSTEM**

### **Practical information**

#### **Venue and housing**

The course will be held in **Karthus**, which is a charming old village in the Schnalstal, about 20 km northwest of Merano, northern Italy. The logistic centre, where all meals will be served and where the crowd gathers in the evening, is hotel **Goldene Rose**, run by **Paul Grüner**. Some of the participants will stay in this hotel, many will be housed in good-quality pensions within a 2-minute walk. All participants should *check in at Goldene Rose*. Students will be asked to share double bedrooms.

Have a look at: <http://www.goldenerose.it/en/the-golden-rose-hotel/>

Phone number of the hotel: +39 (0)473 679130

#### **How to get there**

By international train to **Bolzano** (this is a main station along the Munich - Innsbruck - Verona line). Change in Bolzano on a local train to **Merano**, change once more on another local train (direction Mals, go off at **Naturns**). Then take a bus to **Karthus** (Schnalstal), line 261 (for timetable see below; note that there will be some changes from 2 September). Those coming by plane may fly to Innsbruck, Munich or Milano, take a train to Bolzano and proceed as described above. It is also possible to fly to Verona or Bolzano, but flights are less frequent and more expensive.

#### **Lecture room / projects**

The lecture room is not far from the hotel (follow the crowd). There will be five Mac computers in a network with a printer. These computers are meant for project work, but can also be used by students to go on the internet, check email, etc [but project work has priority!]. The internet connection of Karthus with the rest of the world is slow, but there is nothing we can do about that. As a consequence, keys for individual wifi use are only available for teachers. Projects will be carried out in groups of three. The organizing committee will distribute the students over the projects. Only minor modifications can occasionally be made. For project work and exercises it may be helpful to bring a pocket calculator.

#### **Telling who you are**

We do not use badges for participants. In the beginning of the course students are asked to summarize in a 5-min presentation who they are and what their project is about. In this way we get to know each other quickly. The time limit is strict, so use no more than three illustrations (bring overheads or a USB stick).

#### **Excursion**

The excursion on Sunday will be a trip in high mountain terrain. The hike is not difficult, but requires solid hiking/mountain boots. Good clothing (including a hat), gloves and sun glasses are essential. Mountain equipment (crampons, rope, etc) is not needed.

# 261 SCHNALSTAL VAL SENALES

		X	X		X	X			X	G	X	A	H	X		
									B				D			
Kurzras	ab	05:58	06:25	07:10	08:10	09:10	10:10	11:10	12:10		13:10	14:10		15:10	p	Maso Corto
Gerstgras		06:03	06:30	07:15	08:15	09:15	10:15	11:15	12:15		13:15	14:15		15:15		Gerstgras
Vernagt		06:08	06:35	07:19	08:19	09:19	10:19	11:19	12:19		13:19	14:19		15:19		Vernago
Unser Frau Archeoparc		06:13	06:40	07:24	08:24	09:24	10:24	11:24	12:24		13:24	14:24		15:24		Madonna Archeoparc
Außerguffl		06:17	06:44	07:27	08:27	09:27	10:27	11:27	12:27		13:27	14:27		15:27		Außerguffl
Karthaus		06:23	06:50	07:33	08:33	09:33	10:33	11:33	12:33		13:33	14:33		15:33		Certosa
Abzw.Katharinaberg		06:29	06:56	07:38	08:38	09:38	10:38	11:38	12:38		13:38	14:38		15:38		Bv.S.Caterina
Katharinaberg		06:34	07:01	07:43	08:43	09:43	10:43	11:43	12:43		13:43	14:43	15:40	15:43		Monte S. Caterina
Neurateis		06:42	07:09	07:51	08:51	09:51	10:51	11:51	12:51		13:51	14:51	15:48	15:51		Rationuovo
Altrateis		06:44	07:11	07:53	08:53	09:53	10:53	11:53	12:53		13:53	14:53	15:50	15:53		Ratisiovecchio
Abzw.Schnals - Juval		06:51	07:18	08:00	09:00	10:00	11:00	12:00	13:00		14:00	15:00	15:57	16:00		Bv.Senales - Juval
Naturns	an												16:01		a	Naturno
	ab	06:56	07:22	08:04	09:04	10:04	11:04	12:04	13:04		14:04	15:04		16:04	p	
Naturns Bhf.	an		07:27												a	Naturno Staz.
	ab			08:09	09:09	10:09	11:09	12:09	13:09	13:45	14:09	15:09		16:09	p	
Tschirland				08:12	09:12		11:12	12:12	13:12	13:48		15:12		16:12		Cirlano
Tabland				08:18	09:18		11:18	12:18	13:18	13:54		15:18		16:18		Tablà
Staben	an			08:21	09:21		11:21	12:21	13:21	13:57		15:21		16:21	a	Stava
	ab														p	
Abzw.Plaus		07:00				10:16					14:16					Bv.Plaus
Rabland		07:04				10:19					14:19					Rablà
Töll		07:08				10:23					14:23					Tel
Algund		07:14				10:29					14:29					Lagundo
Meran Bhf.	an	07:28				10:42					14:42				a	Merano Staz.

- A** FÄHRT VOM 19.10.2013 BIS 27.04.2014 IN UNSER FRAU ZUR HALTESTELLE ARCHEOPARC  
DAL 19.10.2013 AL 27.04.2014 A MADONNA SENALES TRANSITA PER LA FERMATA ARCHEOPARC
- B** FÄHRT AN SCHULTAGEN NUR AM MONTAG, MITTWOCH UND FREITAG BIS ZUR ABZW.TSCHARS WEITER (13.25 UHR)  
NEI GIORNI SCOLASTICI SOLO IL LUNEDÌ, MERCOLEDÌ E VENERDÌ PROSEGUE FINO A BV.CIARDES (H.13.25)
- D** AB 02.09.2013 BIS ZUM 26.09.2013/DAL 02.09.2013 FINO AL 26.09.2013
- G** AN SCHULTAGEN AUSSER SAMSTAG / NEI PERIODI SCOLASTICI ESCLUSO SABATO
- H** AN WERKTAGEN: AUSSER FREITAG UND SAMSTAG / FERIALE: ESCLUSO VENERDÌ E SABATO
- X** AN WERKTAGEN / CORSA FERIALE

GÜLTIG AB 01.09.2013 BIS 14.12.2013 / IN VIGORE DAL 01.09.2013 AL 14.12.2013

# 261 SCHNALSTAL VAL SENALES

		F	x	A																		
		A																				
Kurzras	ab	16:10	17:10	18:10																p	Maso Corto	
Gerstgras		16:15	17:15	18:15																	Gerstgras	
Vernagt		16:19	17:19	18:19																	Vernago	
Unser Frau Archeoparc		16:24	17:24	18:24																	Madonna Archeoparc	
Außergufl		16:27	17:27	18:27																	Außergufl	
Karthaus		16:33	17:33	18:33																	Certosa	
Abzw.Katharinaberg		16:38	17:38	18:38																	Bv.S.Caterina	
Katharinaberg		16:43	17:43	18:43																	Monte S. Caterina	
Neurateis		16:51	17:51	18:51																	Rationuovo	
Altrateis		16:53	17:53	18:53																	Ratisovecchio	
Abzw.Schnals - Juval		17:00	18:00	19:00																	Bv.Senales - Juval	
Naturns	an																			a	Naturno	
	ab	17:04	18:04	19:04																	p	
Naturns Bhf.	an																			a	Naturno Staz.	
	ab	17:09	18:09	19:09																	p	
Tschirland		17:12	18:12	19:12																		Cirlano
Tabland		17:18	18:18	19:18																		Tablà
Staben	an	17:21	18:21	19:21																	a	Stava
	ab																				p	
Abzw.Plaus																						Bv.Plaus
Rabland																						Rablà
Töll																						Tel
Algund																						Lagundo
Meran Bhf.	an																			a	Merano Staz.	

**A** FÄHRT VOM 19.10.2013 BIS 27.04.2014 IN UNSER FRAU ZUR HALTESTELLE ARCHEOPARC  
DAL 19.10.2013 AL 27.04.2014 A MADONNA SENALES TRANSITA PER LA FERMATA ARCHEOPARC

**F** FÄHRT AN SCHULTAGEN NUR AM DIENSTAG UND DONNERSTAG BIS ZUR ABZW.TSCHARS WEITER (17.25 UHR)  
NEI GIORNI SCOLASTICI SOLO IL MARTEDÌ E GIOVEDÌ PROSEGUE FINO A BV.CIARDES (H.17.25)

**x** AN WERKTAGEN / CORSA FERIALE

GÜLTIG AB 01.09.2013 BIS 14.12.2013 / IN VIGORE DAL 01.09.2013 AL 14.12.2013

# 261 SCHNALSTAL VAL SENALES

	G	x	x	A	H	A	x	x	x	x	x				
	E	A	C												
Meran Bhf.	ab								11:19	13:19		p Merano Staz.			
Algund									11:31	13:31		Lagundo			
Töll									11:37	13:37		Tel			
Rabland									11:40	13:40		Rablà			
Abzw.Plaus									11:43	13:43		Bv.Plaus			
Staben		06:40	07:00	08:33	09:33	10:33		12:33		14:33	15:33	16:33	Stava		
Tabland		06:43	07:03	08:36	09:36	10:36		12:36		14:36	15:36	16:36	Tablà		
Tschirland		06:49	07:09	08:42	09:42	10:42		12:42		14:42	15:42	16:42	Cirlano		
Naturns Bhf.	an			08:45	09:45	10:45		12:45		14:45	15:45	16:45	a Naturno Staz.		
	ab	06:53	07:13	07:50	08:50	09:50	10:50	11:50	12:50	13:50	14:50	15:50	16:50	p	
Naturns	an	06:57	07:17											a Naturno	
	ab			07:55	08:55	09:50	09:55	10:55	11:55	12:55	13:55	14:55	15:55	16:55	p
Abzw.Schnals - Juval				07:59	08:59	09:54	09:59	10:59	11:59	12:59	13:59	14:59	15:59	16:59	Bv.Senales - Juval
Altrateis				08:06	09:06	10:01	10:06	11:06	12:06	13:06	14:06	15:06	16:06	17:06	Ratisiovecchio
Neurateis				08:08	09:08	10:03	10:08	11:08	12:08	13:08	14:08	15:08	16:08	17:08	Ratisionuovo
Katharinaberg	an					10:11									a Monte S.Caterina
	ab			08:16	09:16		10:16	11:16	12:16	13:16	14:16	15:16	16:16	17:16	p
Abzw.Katharinaberg				08:21	09:21		10:21	11:21	12:21	13:21	14:21	15:21	16:21	17:21	Bv.S.Caterina
Karthaus				08:26	09:26		10:26	11:26	12:26	13:26	14:26	15:26	16:26	17:26	Certosa
Außergufl				08:32	09:32		10:32	11:32	12:32	13:32	14:32	15:32	16:32	17:32	Außergufl
Unser Frau Archeoparc				08:35	09:35		10:35	11:35	12:35	13:35	14:35	15:35	16:35	17:35	Madonna Archeoparc
Vernagt				08:40	09:40		10:40	11:40	12:40	13:40	14:40	15:40	16:40	17:40	Vernago
Gerstgras				08:44	09:44		10:44	11:44	12:44	13:44	14:44	15:44	16:44	17:44	Gerstgras
Kurzras	an			08:49	09:49		10:49	11:49	12:49	13:49	14:49	15:49	16:49	17:49	a Maso Corto

- A** FÄHRT VOM 19.10.2013 BIS 27.04.2014 IN UNSER FRAU ZUR HALTESTELLE ARCHEOPARC  
DAL 19.10.2013 AL 27.04.2014 A MADONNA SENALES TRANSITA PER LA FERMATA ARCHEOPARC
- C** AB 15.07.2013 BIS ZUM 17.10.2013/DAL 15.07.2013 FINO AL 17.10.2013
- E** FÄHRT UM 6.57 UHR VON DER ABZW.TSCHARS AB / PARTE DA BV.CIARDES (H.6.57)
- G** AN SCHULTAGEN AUSSER SAMSTAG / NEI PERIODI SCOLASTICI ESCLUSO SABATO
- H** AN WERKTAGEN: AUSSER FREITAG UND SAMSTAG / FERIALE: ESCLUSO VENERDI E SABATO
- x** AN WERKTAGEN / CORSA FERIALE

GÜLTIG AB 01.09.2013 BIS 14.12.2013 / IN VIGORE DAL 01.09.2013 AL 14.12.2013

# 261 SCHNALSTAL VAL SENALES

		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>							
Meran Bhf.	ab	17:19								p	Merano Staz.
Algund		17:31									Lagundo
Töll		17:37									Tel
Rabland		17:40									Rablà
Abzw.Plaus		17:43									Bv.Plaus
Staben					18:33	19:33					Stava
Tabland					18:36	19:36					Tablà
Tschirland					18:42	19:42					Cirlano
Naturns Bhf.	an				18:45	19:45				a	Naturno Staz.
	ab	17:50	17:50	18:50	19:50					p	
Naturns	an									a	Naturno
	ab	17:55	17:55	18:55	19:55					p	
Abzw.Schnals - Juval		17:59	17:59	18:59	19:59						Bv.Senales - Juval
Altrateis		18:06	18:06	19:06	20:06						Ratisiovecchio
Neurateis		18:08	18:08	19:08	20:08						Ratisionuovo
Katharinaberg	an									a	Monte S.Caterina
	ab	18:16	18:16	19:16	20:16					p	
Abzw.Katharinaberg		18:21	18:21	19:21	20:21						Bv.S.Caterina
Karthaus		18:26	18:26	19:26	20:26						Certosa
Außergufl		18:32	18:32	19:32	20:32						Außergufl
Unser Frau Archeoparc		18:35	18:35	19:35	20:35						Madonna Archeoparc
Vernagt		18:40	18:40	19:40	20:40						Vernago
Gerstgras		18:44	18:44	19:44	20:44						Gerstgras
Kurzras	an	18:49	18:49	19:49	20:49					a	Maso Corto

AN WERKTAGEN / CORSA FERIALE

AN SONN- UND FEIERTAGEN / CORSA FESTIVA

GÜLTIG AB 01.09.2013 BIS 14.12.2013 / IN VIGORE DAL 01.09.2013 AL 14.12.2013