3RD CLIVAR GSOP AND 1ST IODE SG-IQUOD WORKSHOP AGENDA

December 3rd – 5th, 2016

Hosted by the the Center for Earth System Research and Sustainability (CEN)
and the Cluster of Excellence
"Integrated Climate System Analysis and Prediction" (CliSAP),
University of Hamburg, in the Geomatikum, Hamburg, Germany

Local organiser:
Dr Viktor Gouretski
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CLIVAR 20 Years of Progress

UNESCO IOC

IODE International Oceanographic Data and Information Exchange

Willkommen!

3rd IQuOD workshop objectives:

1. General update on IQuOD activities
2. Review task team efforts: specific progress and plans
3. Production and delivery of 1st IQuOD product in early 2016
4. Gearing up to 4th IQuOD workshop: setting goals and actions for 2016
5. Pre and Post workshop side meetings: smaller discussions between teams (eg, IQuOD task teams, XBT science team)

Side meetings

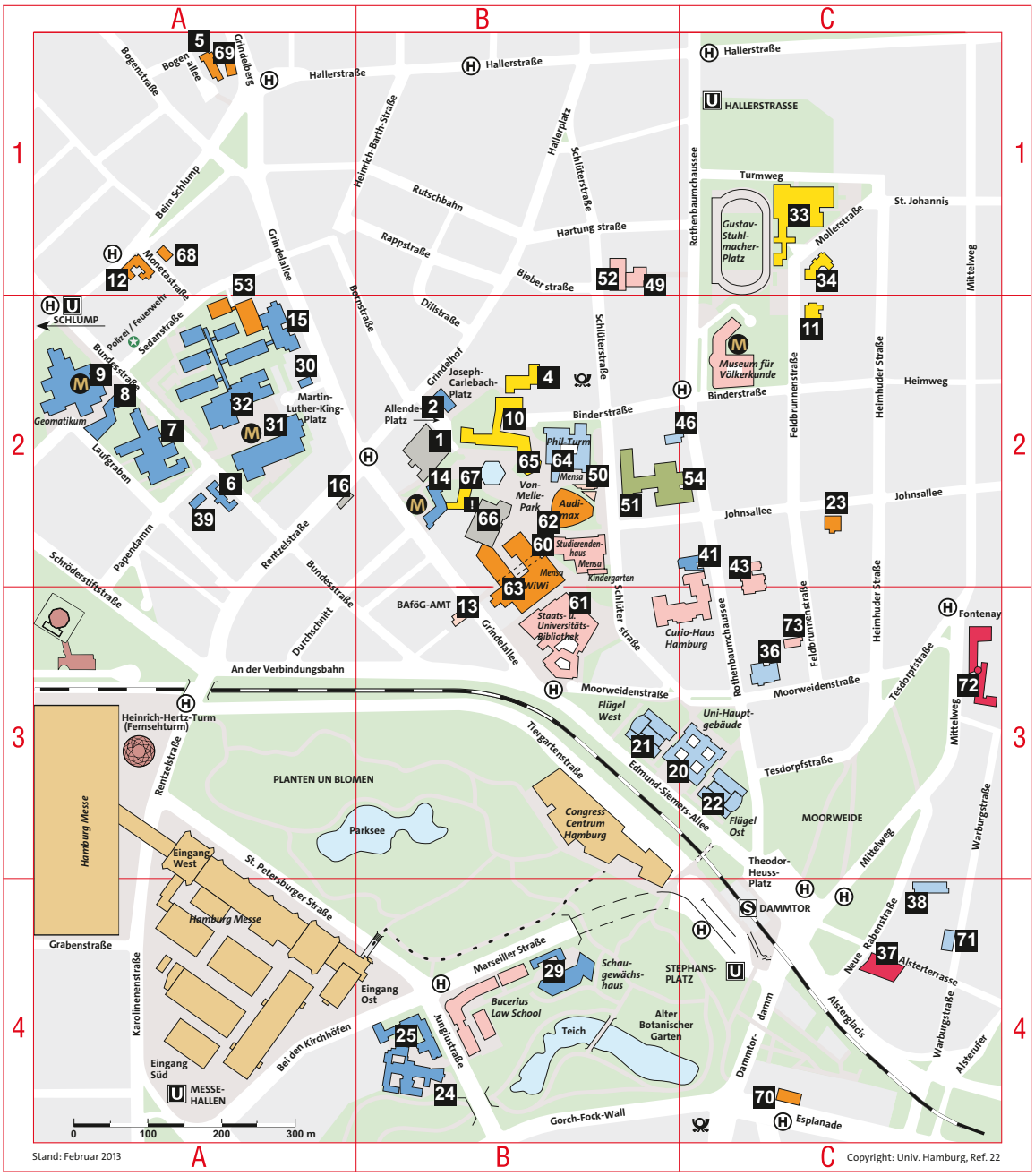
Wednesday 2 and Saturday 5 December

Date/time	Pre/Post workshop meetings (to be organised)	Coordinator	Location
Wednesday 2 December, 1.00 – 3.00pm	Uncertainty task group meeting	Bec Cowley	Room 310, Grindelberg 5
Wednesday 2 December, 3.00 – 5.00pm	Steering team meeting	Bec Cowley	Room 310, Grindelberg 5
Wednesday 2 December, 6.00pm	Ice-breaker dinner for meeting attendees (self-funded).	Viktor Gouretski/Bec Cowley	TBA
Saturday 5 December, 8.30 – 13.00	XBT science (see attachment for schedule)	Viktor Gouretski	Room 310, Grindelberg 5.

LOCATION FOR MEETINGS:

CLiSAP Building: Grindelberg 5, Room 310 (3rd Floor) for side meetings.

Center for Earth System Research and Sustainability (CEN), University of Hamburg, in the Geomatikum. Geomatikum is number 9 and Grindelberg 5 is number 69.



GEBÄUDEVERZEICHNIS

Die Ziffern vor den oben genannten Einrichtungen und auf dem Plan sind die laufenden Gebäudenummern. In dem folgenden Gebäudeverzeichnis finden Sie mit der laufenden Gebäudenummer die Anschrift und die Koordinaten des gesuchten Gebäudes.

- Mit einem * gezeichnete Einrichtungen befinden sich außerhalb des Lageplans.
- Informationen über die Behindertengerechtigkeit der Gebäude finden Sie unter www.uni-hamburg.de/Behinderung/gebaeude.htm

Gebäude-Nr.	Anschrift	Koordinaten
Fakultät 1: Rechtswissenschaft		
51	Schlüterstraße 28	B2
54	Rothenbaumchaussee 33	C2
Fakultät 2: Wirtschafts- und Sozialwissenschaften		
1	Allendeplatz 1	B2
16	Rentzelstraße 7	B2
66	Von-Melle-Park 9	B2
Fakultät 4: Erziehungswissenschaft, Psychologie und Bewegungswissenschaft		
4	Binderstraße 34	B2
10	Binderstraße 40	B2
11	Feldbrunnenstraße 70	C2
33	Mollerstraße 2-4	C1
34	Mollerstraße 10	C1
65	Von-Melle-Park 8	B2
67	Von-Melle-Park 11	B2
Fakultät 5: Geisteswissenschaften		
20	Edmund-Siemers-Allee 1	C3
21	ESA Flügel West	B3
22	ESA Flügel Ost	C3
36	Moorweidenstraße 18	C3
38	Neue Rabenstraße 13	C4
46	Rothenbaumchaussee 45	C2
64	Von-Melle-Park 6	B2
71	Warburgstraße 26	C4
Fakultät 6: Mathematik, Informatik und Naturwissenschaften		
2	Allendeplatz 2	B2
6	Bundesstraße 43	A2
7	Bundesstraße 45	A2
8	Bundesstraße 53	A2
9	Bundesstraße 55	A2
14	Grindelallee 46/48	B2
15	Grindelallee 117	A2
24	Jungiusstraße 9	B4
25	Jungiusstraße 11	B4
29	Marseiller Straße 5	B4
30	Martin-Luther-King-Platz 2	A2
31	Martin-Luther-King-Platz 3	A2
32	Martin-Luther-King-Platz 6	A2
39	Papendamm 21	A2
41	Rothenbaumchaussee 19	C2
Von mehreren Fakultäten genutzte Gebäude		
5	Bogenallee 11	A1
12	Beim Schlump 83	A1
23	Johnsallee 35	C2
53	Sedanstraße 19	A2
62	Von-Melle-Park 4	B2
63	Von-Melle-Park 5	B2
68	Monetastraße 4	A1
69	Grindelberg 5	A1
70	Esplanade 36	C4
Überwiegend von der Verwaltung genutzte Gebäude		
37	Alsterterrasse 1	C4
72	Mittelweg 177	C3
Sonstige u. von Partnern der UHH genutzte Gebäude		
13	Grindelallee 9	B3
43	Rothenbaumchaussee 34	C2
49	Rothenbaumchaussee 81	B1
50	Schlüterstraße 11	B2
52	Schlüterstraße 70	B1
60	Von-Melle-Park 2	B2
61	Von-Melle-Park 3	B3
73	Feldbrunnenstraße 9	C3

3RD CLIVAR GSOP AND 1ST IODE IQUOD WORKSHOP

THURSDAY DECEMBER 3 (MORNING)

Room: **1528**, the Center for Earth System Research and Sustainability (CEN), University of Hamburg, in the Geomatikum (marked as M9/square A2 on the sitemap).

Session 1: Setting the scene – Overview and Uncertainty/Metadata task team Chair: Steve Diggs / Notetaker: Ann Thresher			
8.50 – 9.00	Welcome by local organiser/sponsor	Viktor Gouretski	10 min
9.00 – 9.35	Overview IQuOD activities Recap of aims of the project, what happened since the first workshop and overview of the current project structure, action items from last meeting.	Matt Palmer, Catia Domingues	25 min + 10 min
9.35 – 9.50	IQuOD/GAIC meeting summary	Alison Macdonald	10 min + 5 min
9.50 – 11.00	**Task team talks: Uncertainty and Intelligent metadata**		Total: 70 min
9.50 – 9.55	Uncertainties task team overview.	Bec Cowley	5 min
9.55 – 10.10	Intelligent Metadata overview & progress	Toru Suzuki	15 + 5 min
10.10 – 10.30	Historical profile collection – notes of caution	John Gould	10 +5 min
10.30 – 10.45	Validating the oldest oceanographic subsurface temperature measurements (1860-1899)	Viktor Gouretski	10 +5 min
10.45 – 11.00	Progress assessing Japanese wartime surveys	Shoichi Kizu	10 + 5 min
11.00 – 11.30	**Coffee break**		
11.30 – 11.45	IMOS autoQC on mooring and CTD data	Guillaume Galibert (VC)	10 + 5 min
11.45 – 12.00	Production of high quality CTD data	Marcela Charo	10 + 5 min
12.00 – 12.15	Implementing uncertainty + I-metadata for IQuOD V1.0	Tim Boyer	10 + 5 min
12.15 – 13.00	**DISCUSSION & PLANNED ACTIONS** **Task teams: Uncertainty and Intelligent metadata** Goal: Develop a co-ordinated workplan for uncertainty and metadata task teams	Led by **Bec Cowley** (uncertainty); **Toru Suzuki and Shoichi Kizu** (metadata)	Total: 45 min
13.00 – 14.00	**Lunch**		

THURSDAY DECEMBER 3 (AFTERNOON)

Room: **1528**, the Center for Earth System Research and Sustainability (CEN), University of Hamburg, in the Geomatikum **(marked as M9/square A2 on the sitemap)**.

Session 2: Setting the scene – Auto and Expert QC task teams Chair: Toru Suzuki / Notetaker: Matt Palmer			
14.00 – 15.30	**Duplicate progress and discussion** **Auto QC progress and talks**		Total: 90 min
14.00 – 14.10	Duplicate task team progress	Ann Thresher/Ed King	10 mins
14.10 – 14.25	**Discussion** – duplicate detection results and way forward	Ann Thresher/Ed King	10 + 5 mins
14.25 – 14.55	Python infrastructure for AutoQC	Bill Mills	25 mins + 5 mins
14.55 – 15.05	Examples and implications of the current AutoQC results	Simon Good	10 mins inc. questions
15.05 – 15.25	Auto QC of CTD data using CoTeDe and Tools for visualizing and validating Auto QC	Gui Castelao (VC)	15 + 5 mins
15.25 – 15.50	**Coffee break**		
15.50 – 17.30	**Auto QC talks and discussion**		Total: 90 min
15.50 – 16.05	2nd level Auto QC GLODAPv2 http://www.imber.info/index.php/News/Newsletters/Issue-n-27-September-2014#toc_3_12	Alex Kozyr	10 + 5 mins
16.05 – 16.30	Automated QC of temperature profiles implemented at Integrated Climate Data Center and Using global statistics to evaluate quality control – comparison of ICDC and best AutoQC as of December 2015.	Viktor Gouretski and Simon Good	20 + 5 mins
16.30 – 17.30	**Discussion** – way forward for AutoQC Goal: develop a co-ordinated workplan for the AutQC task team	Matt Palmer and Simon Good	60 mins
	Workshop dinner, self funded	Viktor Gouretski	TBA

Friday December 4 (Early Morning)

Room: **1528**, the Center for Earth System Research and Sustainability (CEN), University of Hamburg, in the Geomatikum (marked as M9/square A2 on the sitemap).

Session 3: Expert QC and GDAC task teams Chair: Alison Macdonald / Notetaker: Bec Cowley			
9.00 – 10.10	**Task team talks: Expert QC**		Total: 70 min
9.00 – 9.15	Metadata validation with the IOOS compliance checker	Marty Hidas (VC)	10 + 5 min
9.15- 9.30	Creating a toolbox for validating operational forecast data in MATLAB	Simon Jandt	10 + 5 min
9.30 – 10.10	**DISCUSSION & PLANNED ACTIONS Task team: Expert QC** Goal: Develop a co-ordinated workplan for Expert QC task team	Led by Ann Thresher	Total: 40 min
10.10 – 11.00	**Task team talks: GDAC**		Total: 50 min
10.10 – 10.25	IQuOD Data Flow	Tim Boyer	10 + 5 min
10.25 – 11.00	**DISCUSSION & PLANNED ACTIONS Task team: GDAC**	Led by Tim Boyer	Total: 35 min
11.00 – 11.30	**Coffee break**		

Friday December 4 (Late Morning)

Room: **1528**, the Center for Earth System Research and Sustainability (CEN), University of Hamburg, in the Geomatikum (marked as M9/square A2 on the sitemap).

Session 4: Towards IQuOD v1.0 product Chair: Janet Sprintall / Notetaker: Bec Cowley			
11.30 – 11.40	JCOMMOPS monitoring tools: about XBT Metadata format and platform IDs	Martin Kramp	10 min
11.40 – 13.00	**DISCUSSION From where we are to delivering IQUOD v1.0 product in early 2016**	Led by Matt Palmer	Total: 80 min
13.00 – 14.00	**Lunch**		

Friday December 4 (Afternoon)

Session 5: Towards IQuOD v2.0 product and Wrap-up Chair: Steve Diggs / Notetaker: Alison MacDonald			
14.00 – 15.00	DISCUSSION/PLANNING From IQuOD v1.0 to v2.0	Led by Simon Good, Matt Palmer	Total: 60 min
15.00 – 15.30	Review of action items		30 min
15.30 – 16.00	Coffee break		
16.00 – 17.00	OTHER COMMUNICATION 1. 2016 Ocean Science Meeting Session 2. 4th IQuOD Workshop 3. Improving communication/website 4. Regular videoconference meetings 5. CLIVAR scientific/implementation plan 6. Next Steps	Led by Matt Palmer, Catia Domingues. Kanako Sato to introduce the 4th Workshop.	Total: 60 min

Saturday December 5 (Morning)

Room: **310 Grindelberg 5, 3rd floor**

XBT side workshop: Presentations			
8.30 – 9.00	Summary on the achievements since the last XBT workshop	Lijing Cheng	30 min
9.00 – 9.20	Inter-comparison of the 10 existing XBT correction schemes	Lijing Cheng	15 min +5 min
9.20 – 9.40	Quantification of the effect of water temperature on the fall rate of XBTs	Rebecca Cowley	15 + 5 min
9.40 – 10.00	Gouretski & Reseghetti 2010 correction scheme – an update	Viktor Gouretski	15 min + 5 min
10.00-10.20	**Coffee Break**		
10.20 – 10.40	Accuracy of XBT measurements in the Mediterranean - an update	Franco Reseghetti	15 + 5 min
10.40 -11.00	XBT Science at Scripps: Recent Highlights	Janet Sprintall	15 +5 min

11.00 – 11.20	Status of XBT data in Southwestern Atlantic Ocean	Marcela Charo	15 +5 min
11.20 – 11.40	XBT status in India	Uday Bhaskar	15 +5 min
11.40 -13.00	Discussions, Future Plans, 6th Workshop	Viktor Gouretski	

List of Participants (as of 10 November 2015)

3rd CLIVAR GSOP and 1st IODE SG-IQuOD workshop, 5th XBT Science Team workshop

	Participant	Email / Institution / Country	02/12	03/12	04/12	05/12
1.	Bhaskar, TVS Udaya	uday@incois.gov.in		♦	♦	
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6.	Cowley, Rebecca*	rebecca.cowley@csiro.au	♦	♦	♦	S
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15.	Kizu, Shoichi	kizu@pol.gp.tohoku.ac.jp	♦	♦	♦	S
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20.	Palmer, Matthew*	lospalmeros@gmail.com	♦	♦	♦	♦
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24.	Suzuki, Toru	suzuki@mirc.jha.jp		♦	♦	♦
25.	Thresher, Ann*	ann.thresher@csiro.au		♦	♦	♦
26.	Baranova, Olga	olga.baranova@noaa.gov	VC	VC	VC	VC
27.	Belkin, Igor	igormbelkin@gmail.com	VC	VC	VC	VC
28.	Castelao, Guilherme	guilherme@castelao.net	VC	VC	VC	VC
29.	Domingues, Catia*	catiad@utas.edu.au	VC	VC	VC	VC
30.	Fonseca, Carlos	fonsee05@gmail.com	VC	VC	VC	VC
31.	Hidas, Marty	marty.hidas@utas.edu.au	VC	VC	VC	VC
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33.	Thadathil, Panajakshan	pankaj@nio.org	VC	VC	VC	VC
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35.	Kramp, Martin	mkramp@jcommops.org			♦	♦
36.	Warren, Rachel	rachel.warren@metoffice.gov.uk	VC	VC	VC	VC

* Organizers, ** Local organizer
S: speaker at XBT science workshop
VC: (potentially) via video-conference participation