

Monday July 2, 2018 - Session 1 (Chair: Amber Annett)

12:00	Arrival / Welcome Snack
12:45	Welcome and Opening
13:00	Willard S. Moore Radium isotopes make interesting travel companions
13:45	Short Break
14:00	Michiel Rutgers van der Loeff Radium Isotopes in Fram Strait
14:20	Dotan Rotem Direct Tracking of Permafrost Thawing with Radium Isotopes
14:40	Short Break
14:50	Doug Hammond ^{227}Ac along the US Arctic GEOTRACES Transect: Comparison with the Pacific
15:10	Nathan Kemnitz Actinium-227 as a Tracer for Mixing in the Deep Northeast Pacific
15:30	Coffee Break
16:00	Workshop Introduction
16:20	Poster Session
	Aaron Alorda Kleinglass Driven metal fluxes in Portmán Bay after 25 years of mining activities
	Amber Annett Radium in the Antarctic marine environment
	Emilie Le Roy Distribution of dissolved ^{227}Ac along the GA01 section in the North Atlantic
	Daniel E. López-Sánchez Determination of Activity Concentration of Radium-226 in Drinking Water: An Example of Traceability, Measurement Uncertainty and Validation in Chemistry
	Michael Kossack Short-term porewater circulation controls biogeochemical reactions at a mesotidal sandy beach at Spiekeroog Island: A tracer study using ^{222}Rn and $^{223,224}\text{Ra}$ isotopes
	Bernhard Schnetger Radium isotopes in an anoxic deep (Landsort Deep, Baltic Sea): a preliminary study to evaluate the options
	Bochao Xu A new approach for assessing water transport and associated retention effects in a large reservoir
18:00	Dinner at the HWK

Tuesday July 3, 2018 - Session 2 (Chair: Joseph J. Tamborski)

- 09:00 Henrietta Dulai
Temporal characteristics of a multi-year record of submarine groundwater discharge in West Hawaii
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- 09:45 Short Break
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- 09:55 Jordi Garcia-Orellana
Be or not to be: are short lived Ra isotopes & Rn good SGD tracers?
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- 10:15 Stefan Durejka
Tracking water and nutrient flow in riparian wetlands using ^{222}Rn and DOC as natural tracers
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- 10:35 Coffee Break
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- 11:00 Daniel Montiel
Studying the role of submarine groundwater discharge (SGD) on the nitrogen budget of the fourth largest estuary in the USA: Mobile Bay, Alabama
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- 11:20 Lúcia H. Vieira
Benthic fluxes of trace elements in the Chukchi Sea and their transport into the Arctic Ocean
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- 11:40 Short Break
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- 11:55 Virginie Sanial
Hypoxia in the Mississippi Bight Enhanced by Submarine Groundwater Discharge
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- 12:15 Lunch
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- 13:15 Workshop Student Questions - Jan Scholten
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- 14:00 Poster Session
- Marc Diego-Feliu
Ra end-member variability in a dynamic subterranean estuary of a microtidal Mediterranean coastal aquifer during a heavy rainfall event
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- Rogger Escobar
Submarine groundwater discharge into Sydney Harbour, Australia, revealed by radium isotopes
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- Till Oehler
Comparison of dissolved silica and Radon as tracers for submarine groundwater discharge in high energy environments
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- Valentí Rodellas
Groundwater-driven nutrient inputs to coastal lagoons: the relevance of lagoon water recirculation as a conveyor of dissolved nutrients
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- Virginie Sanial
Hypoxia in the Mississippi Bight Enhanced by Submarine Groundwater Discharge
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- Jan F. Schröder
Detection of deep SGD locations in the Eckernförde Bay, Baltic Sea
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- Timothy J. Shaw
Magnitude and Impact of Shallow Groundwater Circulation in Salt Marsh Sediments
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Tuesday July 3, 2018 - Session 2 (Chair: Joseph J. Tamborski) continued

Simon Bejannin - Pieter van Beek

Study of submarine groundwater discharge along the French Mediterranean coastline:
the case study of Côte Bleue

Shibin Zhao

Submarine groundwater discharge and its contribution to nutrient in Subei Shoal,
China

15:30 Coffee Break

16:00 Bus transfer from HWK to Bremen

17:00 Guided tour 'Übersee-Museum' (~ 1 hour)

18:30 Dinner at 'Restaurant Café Übersee' (same building)

20:30 Bus transfer back to Delmenhorst (Train Station / City Hotel)

Wednesday July 4, 2018 - field trip to Heligoland

06:30 Bus transfer from Delmenhorst Central Bus Station (ZOB) to Hooksiel harbor

09:00 Ferry to Heligoland (~ 2 hours, incl. 2nd breakfast on board)
Visit of 'Biological Institute Heligoland' of the AWI

15:30 Ferry back to Hooksiel (incl. coffee / tea and cake)

18:00 Bus transfer from Hooksiel back to Delmenhorst

19:00 Arrival at Delmenhorst Train Station / City Hotel

If you missed the bus you may take the train to Cuxhaven (Alte Liebe) and then the Heligoland
Catamaran at own costs (one way tickets: train 25,80 € plus Catamaran (Jet Class) 49,40 €):

08:31 Train departure from Delmenhorst to Cuxhaven (station Alte Liebe)

10:47 Arrival at pier 'Alte Liebe'

11:30 Catamaran 'Halunder Jet' departure from Cuxhaven

12:45 Arrival at Heligoland

15:30 Ferry to Hooksiel as above/ initially planned (incl. coffee / tea and cake)

Thursday July 5, 2018 - Session 3 (Chair: Valentí Rodellas)

09:00	Bassam Ghaleb $^{226}\text{Ra}/^{230}\text{Th}$, $^{210}\text{Pb}/^{226}\text{Ra}$ and ^{210}Pb excess chronometric applications potentials: examples from deep sea corals and speleothems
09:45	Short Break
09:55	Ralph Arnold The RaDeCC-System
10:40	Coffee Break
11:00	Yishai Weinstein Seawater circulation rates in aquifers, using radium isotope ratios
11:20	René Neuholz Plume ages derived from short-lived radium isotopes at submarine hydrothermal vents
11:40	Short Break
11:50	Bochao Xu A new approach for assessing water transport and associated retention effects in a large reservoir
12:10	Alessandra Briganti Assessing the age of a NAPL-spill by Radium isotopes
12:30	Lunch
13:30	Workshops 'Ra-Rn cookbook' – Jan Scholten
15:00	Coffee Break
15:30	Poster Session
	Dini Adyasari Nutrient fluxes associated with submarine groundwater discharge at the urbanized tropical estuary and coast of Jepara, Indonesia
	Marc Diego-Feliu Evaluating the effect of high activity ^{223}Ra and ^{224}Ra samples on the activity quantification using the Radium Delayed Coincidence Counter (RaDeCC)
	Jan. C. Scholten ^{224}Ra and ^{223}Ra in the Amazon plume: First Results from the AMAZON-GEOTRACES Process Study (M147)
	Sean T. Selzer Automated Corrections and Error-Propagation for RaDeCC Data
	Joseph J. Tamborski Temporal variability of seawater recirculation and water exchange through a Mediterranean barrier beach traced via short-lived radionuclides
	Julia Westphal Spatial and seasonal variations of benthic-pelagic coupling in a coastal transition zone of the southern Baltic Sea
16:30	Bus transfer from HWK to Bremen

Thursday July 5, 2018 - Session 3 (Chair: Valentí Rodellas) continued

- 17:30 Guided tour through the historic district of Bremen (~ 1 hour)
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- 19:00 Dinner at Restaurant 'Bremen Ratskeller' (beneath the town hall)
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- 21:00 Bus transfer back to Delmenhorst (Train Station/ City Hotel)

Friday July 6, 2018 - Session 4

- 09:00 Isaac Santos
Radon time series observations during flood-chase experiments
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- 09:20 Xueqing Yu
Study on Submarine groundwater discharge by Radium in the Kongsfjorden, Svalbard (Arctic)
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- 09:40 Walter Geibert
The role of radium isotopes in GEOTRACES
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- 10:00 Coffee Break
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- 10:30 Workshops 'Introduce your lab / find your match' - Walter Geibert
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- 12:00 Closing / Selection of next venue
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- 12:30 Lunch
End of workshop
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- 13:15 Bus transfer to AWI, Bremerhaven - departure from parking lot 'Deichhorst - Center'
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- 14:30 Guided tour through the AWI institute
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- 16:30 Bus transfer back to Delmenhorst
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- 18:00 Arrival at Delmenhorst Train Station / City Hotel