

# Program International Workshop on Solutions for Water Supply in Coastal Zones

Main theme: Coastal zone groundwater resources

Workshop Day 1		Tuesday 28 <sup>th</sup> November 2017	
TIME		THEME/TOPIC	PRESENTERS
9.00	1	Opening and Introduction	Craig Simmons (Flinders University)
9.30	2	Overview of groundwater research at BGR	Georg Houben (BGR)
10.15	3	Overview of research at partner organisation(s)	CSIRO/DEWNR/SA Water
11.00		Morning Tea	
11.15	4	Overview of research at partner organisation(s)	CSIRO/DEWNR/SA Water
12.00		Lunch	
13.00	5	Coastal aquifer management aspects	Vincent Post (BGR)
13.15	6	Groundwater management experiences in international cooperation projects	Roland Bäumle
14.00	7	Insights into the role of buoyancy in management decision-making for coastal groundwater systems	Adrian Werner (Flinders University)
14.30	8	Coastal groundwater “in the Southeast”	Andrew Knight
14.45	9	Title follows	Cristina Solorzano Rivas
15.00		Afternoon Tea	
15.15	10	Presentation by partner organisation(s)	
16.15	11	Discussion and wrap-up	

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## Excursion: Hydrogeology of the Willunga Embayment Limited participants

Excursion Wednesday 29 <sup>th</sup> November 2017			
TIME		THEME/TOPIC	PRESENTERS
10.00	1	Coastal springs and submarine groundwater discharge Location: Sellicks Beach	
11.00	2	Seawater intrusion in the Port Willunga Formation Location: Aldinga Beach	
12.00		Lunch	
1300	3	Geology of the Willunga Embayment Location: Maslin Beach	
14.00	4	Aldinga Wastewater treatment plant and Managed Aquifer Recharge facility Location: Aldinga Beach	
16.00	5	Surface-water groundwater interaction Location: McLaren Vale	
17.00	6	Fault hydrogeology Location: Willunga	
18.00	7	Dinner at Victory Hotel Location: Sellicks Beach	

# Program International Workshop on Solutions for Water Supply in Coastal Zones

Main theme: Managed aquifer recharge

Workshop Day 2 Thursday 30 <sup>th</sup> November 2017			
TIME		THEME/TOPIC	PRESENTERS
9.00	1	The SUBSOL Subsurface Water Technologies project	Maike Gröschke
10.00	2	Presentation by partner organization(s)	
11.00		Morning Tea	
11.15	3	Presentation by partner organization(s)	
12.15		Lunch	
13.00	4	Well hydraulics and energy efficiency	Carlos Guevara Morel
14.00	5	Presentation by partner organization(s)	
15.00		Afternoon Tea	
15.15	6	Presentation by partner organization(s)	
16.15	7	Discussion and wrap-up	

# Program International Workshop on Solutions for Water Supply in Coastal Zones

## Main theme: Numerical modelling

Workshop Day 3		Friday 1 <sup>st</sup> December 2017	
TIME		THEME/TOPIC	PRESENTERS
9.00	1	Modelling of coastal aquifers	Leonard Stöckl
10.00	2	Presentation by partner organization(s)	
11.00		Morning Tea	
11.15	3	Presentation by partner organization(s)	
12.15		Lunch	
13.00	4	The FloPy library and tools for adaptive aquifer management*	Vincent Post (BGR)
15.00		Afternoon Tea	
15.15	5	Presentation by partner organization(s)	
16.15	6	Discussion and wrap-up	
17:15		End of Day 4	

\*Attended by the Flinders University groundwater PhD students Python user group