

# Distinguished Lecture Series

## Exploration and Protection of Karst Groundwater Resources: Experiences from Alpine Karst Aquifer Systems

Featuring: **Professor Doctor Nico Goldscheider**  
Professor of Hydrogeology, University of Karlsruhe, Germany



### **DATE & LOCATION**

**Wednesday, September 26, 2012**

Southwest Research Institute  
San Antonio, Texas

The lecture will run from 9:00 a.m.  
to 4:30 p.m.

### **COST**

\$20 for the day; includes lunch and  
supporting materials. \$10 for students.  
Payable at the door by cash or check.

### **REGISTRATION**

Deadline is Monday, September 24, 2012

To register, contact Elida Bocanegra  
at (210) 222-2204; (800) 292-1047;  
or ebocanegra@edwardsaquifer.org.

### **CO-SPONSORS**

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Texas Water Conservation Association  
Sigma Xi - Alamo Chapter  
River Systems Institute, Texas State University  
National Cave and Karst Research Institute

### **TOPICS TO BE COVERED**

- Ethics-holistic approach to natural resources protection in karst terrains;
- Quantitative tracer tests in karst systems;
- Tracer tests and hydraulic modeling in an alpine karst system (Hochifen-Gottesacker, Austro-German Alps);
- Hydrogeology of a glaciated alpine karst system and possible impact of glacier retreat on groundwater resources (Tsanfleuron, Swiss Alps);
- Early-warning system for microbial contamination of karst spring water;
- Expect the unexpected: Karstification of conglomerates;
- First tracer tests in Germany's most legendary cave and karst spring system (Blautopf).

### **ABOUT THE PRESENTER**

Professor Doctor Nico Goldscheider is Professor for Hydrogeology and Director of the Institute of Applied Geosciences at the Karlsruhe Institute of Technology (KIT) in Germany. Goldscheider studied Geology in Karlsruhe where he also completed his PhD in Hydrogeology (2002, summa cum laude). Afterwards, he worked as a senior lecturer and researcher at the Centre for Hydrogeology (CHYN) at the University of Neuchâtel, Switzerland (2002-2009). In 2010, he was appointed Professor for Hydrogeology and Geothermics at the Technical University of Munich (TUM), Germany. In 2011, he moved to Karlsruhe Institute of Technology. Goldscheider was the founding chairman of the IAH Commission on Groundwater and Climate Change (2003-2009) and has been appointed Chairman of the IAH Karst Commission in 2009. He has 42 refereed journal papers (ISI-SCI) and has edited and co-authored the textbook *Methods in Karst Hydrogeology* (2007).

Goldscheider is a specialist in the hydrogeology of karst aquifer systems, groundwater ecology, optimization of tracing techniques, microbial biocenoses in groundwater, and on the dynamics of organic carbon, bacteria and sediment particles in groundwater. He has research and/or teaching cooperation with China, Vietnam, USA, Spain, Germany, Hungary, Slovenia, Italy, and other countries.



**EDWARDS AQUIFER**  
AUTHORITY