



Vienna Catchment Science Symposium, Saturday 28th April, 2012

On the Theme of:

Black Swans: Unexpected phenomena in hydrology

Black Swans are unexpected events or phenomena that are unpredictable and yet can cause a massive impact when they do occur. In hindsight they appear more predictable than they actually were. In hydrology Black Swans can be extraordinary rainstorms, floods, sediment motion, landslides, and early solute breakthrough in the subsurface.

<u>Time</u>	<u>Session</u>	<u>Location</u>
8:30	Tea, coffee, pastries and greetings	3 rd Floor Foyer
8:45	Welcome and Introduction Günter Blöschl, Vienna University of Technology, Austria	Kuppelsaal
9:00	Black Swans in Eco-hydrology Praveen Kumar, University of Illinois at Urbana-Champaign	Kuppelsaal
10:15	Tea and coffee	3 rd Floor Foyer
10:45	Black Swans in Flood Hydrology Alberto Viglione, Vienna University of Technology, Austria	Kuppelsaal
11:55	Short break	
12:00	Black Swans and Solute Transport in Soils Erwin Zehe, Karlsruhe Institute of Technology	Kuppelsaal
13:10	Lunch	3 rd Floor Foyer
14:15	Small Group Discussion Sessions	
	Group 1: <i>Sightings of Black Swans</i> Brainstorming experiences of Black Swans. Aim: to generate a "survey of sightings" of Black Swans in hydrology. Moderator: Alberto Viglione	Kuppelsaal
	Group 2: <i>Tackling Black Swans</i> Brainstorming how data collection and models need to be adapted to account for Black Swans. Aim: to create a strategy for tackling Black Swans in hydrologic predictions. Moderator: Erwin Zehe	Seminarraum 222 (3 rd floor, follow signs)
	Group 3: <i>A theory of Black Swans</i> Brainstorming towards a theory that can accommodate Black Swans. Aim: to develop a conceptual framework to accommodate Black Swans in hydrological theories. Moderator: Praveen Kumar	Seminarraum 212 (3 rd floor, follow signs)
16:00	Tea and coffee	3 rd Floor Foyer
16:30	Plenum: Exchange of group findings	Kuppelsaal
18:00	Evening drinks reception	3 rd Floor Foyer
19:00	Dinner	3 rd Floor Foyer



Photo: Peter Haas

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