

Second Circular: Workshop

Rates of soil forming processes

– achievements – challenges – research gaps –

**5-8 November 2012 in Charlotte
(North Carolina, USA)**

Supported by INQUA and IUSS.

No registration fee.

Abstract submission (1 page) and registration by e-mail until October 10

Regular oral presentations: 30 min., short oral presentations: 15 min., no posters

Contact: Daniela Sauer, daniela.sauer@uni-hohenheim.de

Workshop Topics

- 1) Existing studies on rates of soil forming processes in different regions of the world
- 2) Soil properties and analytical data relevant for soil chronosequence studies
- 3) Difficulties to deal with in soil chronosequence studies: heterogeneity of parent material, changes in climate/vegetation, eolian additions, erosion and colluviation dynamics...
- 4) Use of the stage of soil formation in geomorphological, tectonic, paleopedological and other studies
- 5) Modeling soil forming processes over time

Moreover, the set of soil properties to be collected in the frame of the RAISIN project will be discussed, improved and completed.



Workshop “Rates of soil forming processes” – Preliminary program

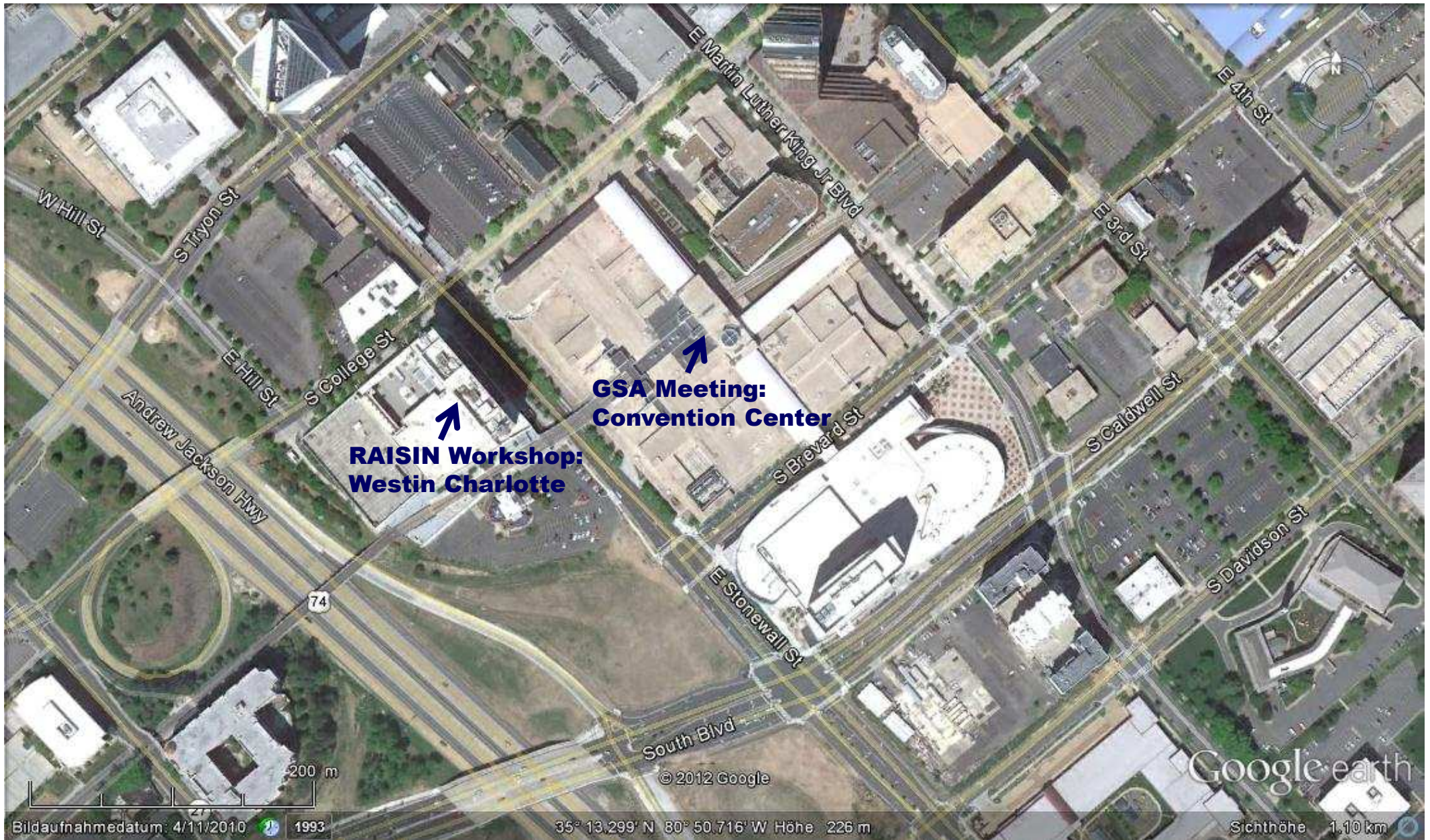
Times of oral blocks are defined; titles of oral blocks may be modified according to submitted abstracts.

Monday, Nov 5	Tuesday, Nov 6	Wednesday, Nov 7	Thursday, Nov 8
<i>Grand Ballroom B</i>	<i>Grand Ballroom D</i>	<i>Tryon Room</i>	<i>UNC campus</i>
8.30 am – 10.00 am	8.30 am – 10.00 am	8.30 am – 10.00 am	8.30 am – 4.30 pm
Opening of the workshop and introduction by Daniela Sauer (15 min) Keynote talk (45-60 min) & discussion on “Dating techniques for soil chronosequence studies in different geomorphic settings – methods, age ranges, difficulties, possible applications”	<u>Keynote talk (45-60 min)</u> Rates of soil formation of Quaternary volcanic paleosols at different chronological scales <i>Elizabeth Solleiro & Sergey Sedov (UNAM, Mexico City)</i> Discussion on soils and paleosols in volcanic regions	<u>Keynote talk (45-60 min)</u> Modeling soil genesis at pedon and landscape scales: achievements and problems <i>Peter Finke (Ghent, Belgium)</i> Discussion on modeling soil forming processes	<p>Field trip: Soils on the campus of the University of North Carolina (UNC)</p> <p>Field trip leader: Missy Eppes (UNC, Charlotte)</p>
10.30 am – 12.00 am	10.30 am – 12.00 am	10.30 am – 12.00 am	
Keynote talk (45-60 min) & discussion on “Soil properties and analytical data relevant for soil chronosequence studies”	Oral presentations on Mexico, arid & Mediterranean climates	Oral presentations on temperate & cold climates	
12.00 am – 1.30 pm: Lunch Break			
1.30 pm – 4.30 pm	1.30 pm – 4.30 pm	1.30 pm – 4.30 pm	
<i>Grand Ballroom B can be used for working, small group discussions, meeting collaboration partners, planning of future collaboration etc. in the afternoon.</i>	<u>Keynote talk (45-60 min)</u> The soil cover of West Africa: soil characteristics and pedogenesis <i>Pauline Yawoa Da Costa (Togo)</i> Discussion on soils and soil science in West Africa Oral presentations on tropical & subtropical Africa Discussion on soils and paleosols in the tropics and subtropics Possibility to form small groups developing ideas for possible collaboration	Keynote talk (45-60 min) & discussion on “Use of the stage of soil formation in geomorphological, tectonic, paleopedological and other studies” Oral presentations on miscellaneous topics Final discussion, conclusions for RAISIN project work	
<p>1.30 pm – 5.30 pm: GSA Meeting, Convention Center Room 207BC, Session: <i>Using Buried Soils to Reconstruct Past Climates</i></p> <p>3.45 pm – 5.30 pm: GSA Meeting, Convention Center Room 201AB, Session: <i>A Healthy Dose of Quaternary Geochronology at the Shoreline: Applications of Luminescence and Other Dating Techniques to Resolving the Timing of Coastal, Estuarine, and Lake Shore Processes</i></p>			

Workshop “Rates of soil forming processes” – Venue

Westin Charlotte Hotel (601 South College Street, Charlotte, NC, USA);

just across the street (E Stonewall St) from the GSA Meeting at Charlotte Convention Center





**Venue of Workshop:
Westin Charlotte, Level Two**

- Monday, Nov 5:** Grand Ballroom B
- Tuesday, Nov 6:** Grand Ballroom D
- Wednesday, Nov 7:** Tryon Room (N+S)
- Thursday, Nov 8:** UNC Campus