



**RIO18**  
21st World Congress  
of Soil Science

**21 WORLD CONGRESS OF SOIL SCIENCE**  
Sunday 12 – Friday 17 August 2018  
Rio de Janeiro, Brazil

Rio de Janeiro August | 12 - 17

## DIVISIONAL SYMPOSIUM – DIVISION 1

| Friday (Aug, 17) |      | Room "Oceania VI e VI"  |                         |
|------------------|------|---|-------------------------|
| <b>C1.3.1</b>    |      | <b>Soil-forming processes and their transformation under human impact</b>   |                         |
|                  |      | <b>Convener:</b> Nikolay B. Khitrov; Dokuchaev Soil Science Institute, Moscow, Russia   |                         |
|                  |      | <b>Co-Convener:</b> Markus Anda; Center for Agricultural Land Resources Research and Development, Indonesia   |                         |
| Schedule         | ID   | Title   | Presenter               |
| 13:30 – 13:40    | --   | Opening   | Conveners               |
| 13:40 – 13:55    | 2791 | Are Plinthosols properties and evolution influenced by prolonged flooding?  | Alfredo B. De-Campos    |
| 13:55 – 14:10    | 457  | Biogeochemical cycling of silicon and its roles on soil genesis and evolution in a typical subtropical ecosystem  | Jin-Ling Yang           |
| 14:10 – 14:25    | 568  | Changes of soil aggregate stability on soil formation process at glacial till   | Mihkel Are              |
| 14:25 – 14:40    | 859  | Evolution of soil redistribution rates in alpine soils of the Central Rocky Mountains using fallout radionuclides ( <sup>239</sup> + <sup>240</sup> Pu) and stable isotopes (δ <sup>13</sup> C) | Raquel de Castro Portes |
| 14:40 – 14:55    | 2034 | Mount Cameroon (Central Africa): a unique observatory for assessing the influence of time, precipitation and temperature on pedogenic processes in volcanic parent material                     | Daniela Sauer           |
| 14:55 – 15:10    | 699  | Spatial and temporal variability of soils formed on varved clays (Northwest Russia)   | Nataliia N. Matinian    |
| 15:10 – 15:25    | 503  | Variants of genesis of soil cover pattern with gilgai topography in Russia  | Nikolay Khitrov         |
| 15:25 – 15:40    | --   | Closing   | Conveners               |



**Brazilian Soil Science Society**



**2015**  
International  
Year of Soils