31. Spatial epidemiology of tuberculosis  
Saturday, 05 December 2015, 12:30-13:30

Chair: Mirjam BAKKER (Netherlands)

Track: TB epidemiology

**PC-958-05**  
A spatial analysis of gender differentials in tuberculosis in the Amazonas State, Brazil, 2013  
A Belchior, M Yamamura, M Popolin, M Santos Neto, Mcc Garcia, A Queiroz, Acv Ramos, R Arcencio (Brazil)

**PC-959-05**  
Spatial distribution of tuberculosis cases in São Carlos, SP, Brazil, between 2008 and 2013  
S Protti, A Pereira Biffi Fusco, T Ferraz De Araújo Alecrim, A Alessandra Dos Reis, R Arcencio, Pfp Pedro Fredemir Palha, M Yamamura (Brazil)

**PC-960-05**  
An approach for spatial cluster identification of tuberculosis using surveillance data  
D Roth, S Mak, M Otterstatter, J Wong, V Cook, J Johnston (Canada)

**PC-961-05**  
Creation of geospatial datasets for the TB control program and linking it with the patient management information system  
A Khanna, D Kundu, K Rade, T Bhowmick (India)

**PC-962-05**  
Spatial and temporal TB notification rates among districts in Malawi: how should we interpret this?  
Bg Belaineh, I Dambe, K Mbendera, F Kassa, A Anne Mwenye, J Mpunga (Malawi)

**PC-963-05**  
Early success in community contact investigation within a 50 metre radius of an index tuberculosis case in urban Pakistan: a before and after intervention  
R K Fatima, E Qadeer, A Yaqoob, A Kumar, S Majumdar, Hema Shewade, Mehb Haq (Pakistan, India, Australia)

**PC-964-05**  
Innovative GIS based screening for tuberculosis contacts in household and community contacts in Pakistan: how effective?  
R K Fatima, E Qadeer, Mehb Haq, A Yaqoob (Pakistan)

**PC-965-05**  
Spatial distribution and cluster analysis of extensively drug-resistant tuberculosis in KwaZulu-Natal, South Africa  
T Kapwata, N Morris, T Mthiyane, P Mpangase, P Moodley, J Brust, N Gandhi, S Shah (South Africa, USA)