



Geofizički odsjek

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O B A V I J E S T

Dana **9.10.2014. (četvrtak!)** u **15¹⁵** sati će se održati u okviru seminara i kolokvija na Geofizičkom odsjeku PMF-a sljedeće izlaganje:

Dr. Richard Toro A.

(Centro de Ciencias Ambientales, Facultad de Ciencias, Universidad de Chile):

Air quality assessment in Santiago by using open-source tools for the analysis of air pollution data

ABSTRACT: The long-term trends and spatial variability of PM_{2.5} and PM₁₀ over the period between 2000 and 2012 in the Santiago Metropolitan Area, Chile are studied. The annual PM₁₀ and PM_{2.5} mass concentration ranged between 76 ± 5 and $52 \pm 4 \mu\text{g m}^{-3}$ and between 32 ± 4 and 24 ± 3 , respectively. The large levels of PM observed during the cool season (April-September) compared to the warm season (October-March) can be explained by meteorological conditions and increased emissions. PM_{2.5} represents approximately $45\% \pm 5\%$ and $60\% \pm 10\%$ of PM₁₀ in the warm and cold seasons, respectively. Reductions in PM₁₀ and PM_{2.5} were observed in the ranges of -2.46 to 0.31 and -3.17 to -1.80% year⁻¹, respectively. For the city, the comprehensive air pollution level declined gradually, illustrating that the air quality improved over the last decade. However, the air quality standards were still being exceeded, indicating the need to update and strengthen the policies to control PM pollution.

Pozivaju se studenti, apsolventi i svi zainteresirani da prisustvuju predavanju, koje će se održati u predavaoni br. 2 Geofizičkog odsjeka PMF-a, Horvatovac 95, Zagreb.