MONITORING OF WASTE AND FORMATION WATERS USING RAMAN SPECTROSCOPY AND ARTIFICIAL NEURAL NETWORK

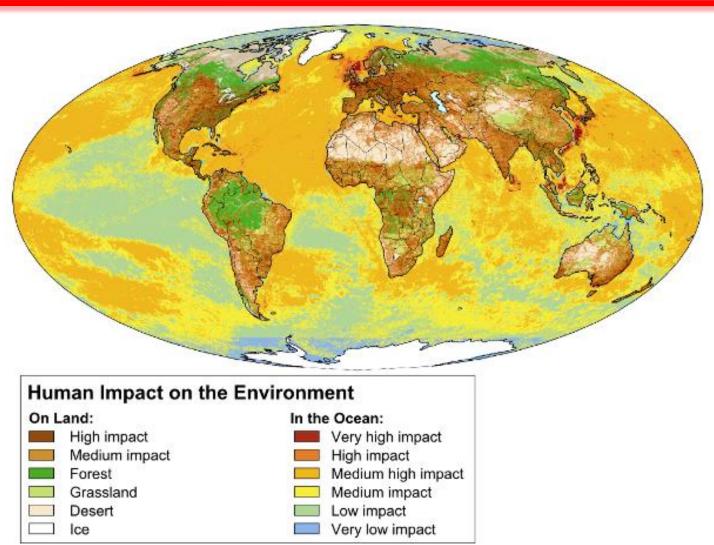
10-13 July 2011 Kaliningrad, Rus

shop on Ecology and Opric

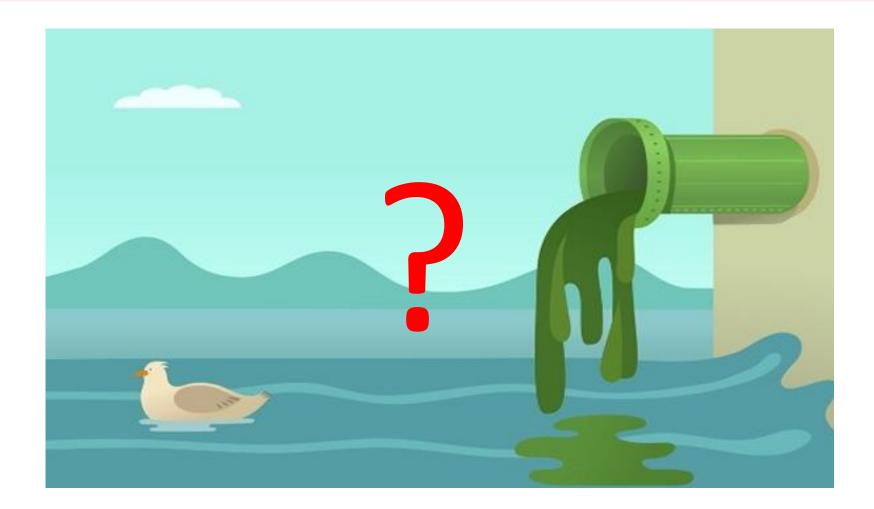


LOMONOSOV MOSCOW STATE UNIVERSITY <u>K.A. Laptinskiy</u>, S.A. Burikov, T.A. Dolenko, A.O. Efitorov, and S.A. Dolenko

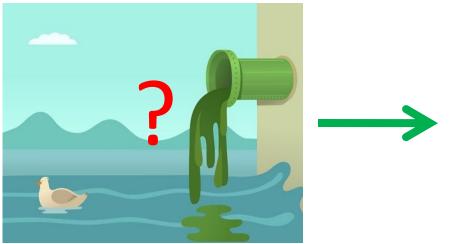
Human impact on the environment







Problem



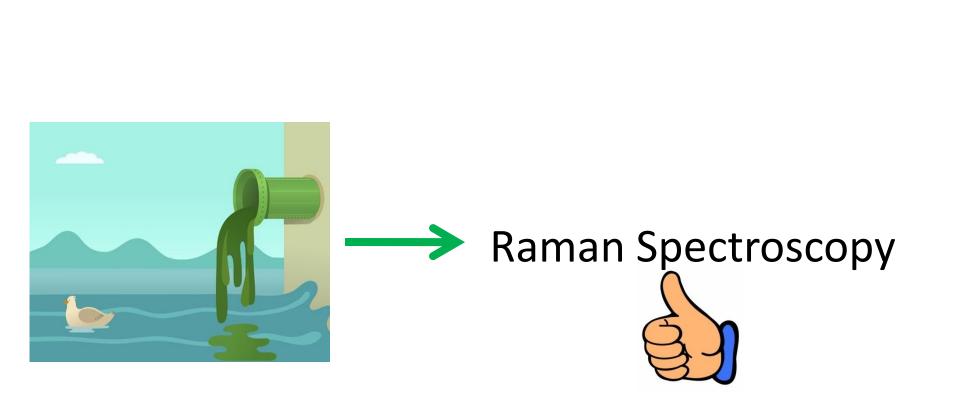
➢ Express

≻Remote

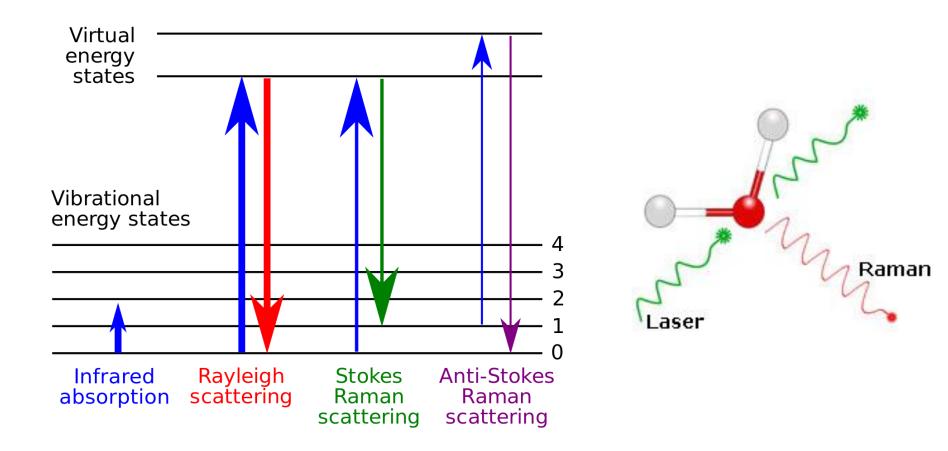
Providing both quantitative and qualitative results

➢Non contact

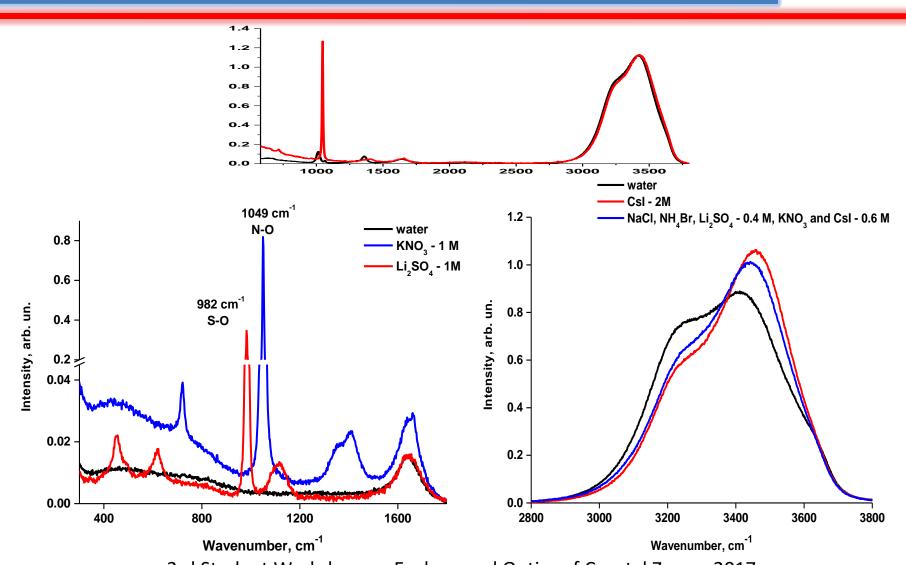




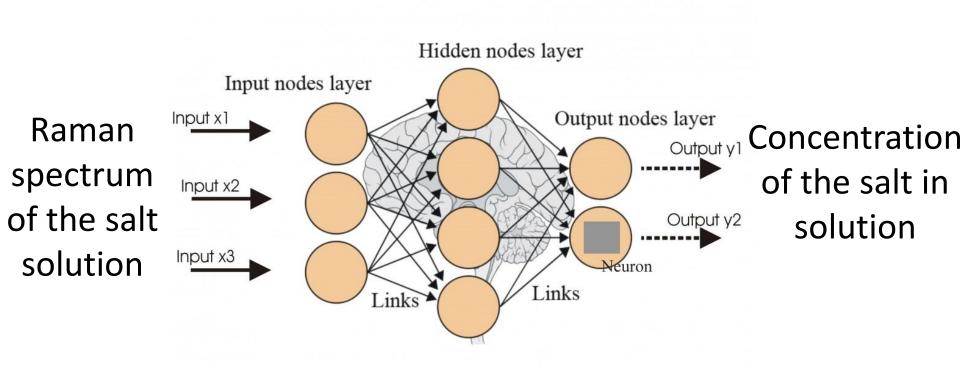
Basics of Raman spectroscopy



Raman spectra of aqueous salt solutions



Artificial neural networks



Our team...







...waits for YOU on the poster session