

**NATO SCIENCE FOR PEACE AND SECURITY (SPS) PROGRAMME:  
“G5014 - Holographic and Impulse Subsurface Radar for Landmine and IED Detection”**



**A brief report about a meeting in Ukraine between the Franklin & Marshall College team and Usikov Institute team on January 2016**

In late January 2016, Tim Bechtel and Nina Simic from the Franklin & Marshall College team visited Ukraine to meet Stas Truskavetsky and his group who are expert on the soils in the Donbass conflict zone, and observe the impulse radar that Usikov Institute of Radio Physics and Electronics of the National Academy of Sciences of Ukraine group is developing. They had good scientific discussions, a demonstration of the impulse radar, a tour of historic Kharkiv, and a meeting with Director Sviatoslav Baliuk of the National Scientific Center «Institute for Soil Science and Agrochemistry Research named after O.N. Sokolovsky», who pledged his full support and friendship for their team. They also had a tour of historic Kharkiv, and sampled local food and drink. Nina continued-on to Bosnia-Herzegovina, where she met with the director of their national humanitarian de-mining program, and several of the active de-miners to discuss the challenges they face and possible technological solutions. The results of this visit and collaboration have already resulted in a publication that is in-press entitled "A Survey of Electromagnetic Characteristics of Soils in the Donbass Region (Ukraine) for Evaluation of the Applicability of GPR and MD for Landmine Detection".