

ENVIRO.wiki: Your Environmental Information Gateway

Allison Stenger (astenger@daa.com) and Robert C. Borden (rborden@DAA.com)
(Draper Aden Associates, Raleigh, NC, USA)

Background/Objectives. Extensive research over the past 30 years has greatly improved our understanding of groundwater remediation. While the results of this work are readily accessible to industry experts and academics, much of this information has not percolated down to the people that actually manage, regulate and implement projects. This has significantly reduced the benefits of this research and increased the costs of managing environmental liabilities, especially at sites where contamination will persist for a significant period of time after an initial remedy is selected. New approaches are needed to communicate this information to users in a timely and easily-accessible manner.

Approach/Activities. The Environmental Restoration (ER) Wiki, developed by ESTCP, is being expanded and renamed (www.ENVIRO.wiki) to provide more readily accessible, current information on important environmental topics. The overall format is similar to Wikipedia with short 'encyclopedia' type summaries of current information, technical challenges, and extensive links to reports and project summaries of research funded by SERDP, ESTCP and others. Each page is prepared by internationally recognized experts from academia and industry and subject to an extensive review for accuracy and completeness. Existing and upcoming topics include:

- A. Environmental Restoration
 1. Contaminants (Hydrocarbons, CVOCs, Metals, Energetics, PFSS, NDMA, 14D, NAPL)
 2. Subsurface Transport and Attenuation (Physical, Chemical and Biological Processes)
 3. Characterization and Monitoring (DPT, Geophysics, LTM, MBTs, CSIA)
 4. Remediation (SVE, Sparging, P&T, Thermal, ISCO, ISCR, Bio, Phyto, ZVI)
 5. Monitored Natural Attenuation (NSZD, Solvents, Abiotic processes)
 6. Energetics (Deposition, Toxicology, Sampling, Treatment)
 7. Sediments (Capping, Dredging, Risk, Sustainability, Life Cycle Analysis)
 8. Regulatory Issues (Alternative Endpoints, Mass Flux, Risk, Modeling, Sustainability)
- B. Energy, Water & Infrastructure Management (**NEW!!!**)
 1. Regulatory Issues
 2. Water Supply and Wastewater Treatment
 3. Natural Resources
 4. Climate Change Resilience

Results/Lessons Learned. The wiki is online at www.ENVIRO.wiki. Please check it out and provide us with your input. Suggestions for new topics, website improvements and general impressions are all welcome. You can send your suggestions to updates@enviro.wiki.