

www.Enviro.wiki

Environmental Wiki - Tech Transfer in the 21st Century

Your Environmental Information Gateway

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Extensive research over the past 30 years has greatly improved our understanding of environmental issues; however, much of this information resides in the academic community and research community.

- Not easy to access
- Search engines don't always identify the most current/accurate information
- Too much information online
- Journals and technical reports are not quickly or easily understood by

SOLUTION

The Environmental Wiki (Enviro Wiki, formerly ER Wiki) is developed with support from ESTCP. It is basically a Wikipedia for Environmental subjects

- Familiar Wikipedia Format
- Readily Accessible
- Compilation of Research
- Extensive Peer Review
- · Links to References
- Easily Updated Platform
- Summaries of Current Knowledge
- Written by internationally recognized experts from academia and industry

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PROBLEM TABLE OF CONTENTS

- Attenuation & Transport Processes
- Characterization, Assessment & Monitoring
- Climate Change
- Coastal and Estuarine Ecology
- **Contaminated Sediments**
- Light Non-Aqueous Phase Liquids (LNAPLs)

- Munitions Constituents
- Monitored Natural Attenuation
- Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS)
- Regulatory Issues and Site Management
- Remediation Technologies
- Soil & Groundwater Contaminants

WIKI PROCESS



REFERENCES

Each article contains:

Linked References

- · Secure DOI links.
- · Links to sources, i.e. ESTCP/SERDP documents
- PDF's housed on the wiki

"See Also" Section

- Relevant online resources not referenced in the text
- Links to YouTube, websites, and access to software

Each category page contains a section for additional documents that may or may not be referenced in an applicable article, but we found them to be either of high value, hard to find on the internet or both!

ENVIRO WIKI

ADDITIONAL DOCUMENTS

THE CURRENT ENVIRO WIKI INCLUDES:

- 115 articles on mainly Environmental Restoration related topics
- More than 1,600 external links
- 874 reference documents saved within

THE QUALITY OF THE EXISTING ATICLES ARE EXPANDED BY:

- · Adding more visuals (i.e., short (2-3 min) videos, illustrative graphics,
- Updating the technical content to ensure the articles remain current
- Providing greater depth
- Providing contrasting/alternative perspective(s) for emerging issues



EXAMPLE ARTICLES

1,2,3-Trichloropropane

Anaerobic Bioremediation

1.1 Membrane Filtration 1.2 Activated Carbon Ads

2 Methods for Downscaling

3 Uncertainty in Projections

PFAS Ex Situ Water Treatment

ion (granular and powdered), and anion exchange. However, these technologies are less demonstrated for removal of PFAS from more complex matrices such as wastewater and leachate. There are also a variety of separation and destructive to stages of development. Some of these processes may also be applicable to more complex matrices including wastewater and landfill leach at

Oownscaled High Resolution Datasets for Climate Change Projections

ons or regions. A variety of "downscaling" approaches have been used to produce high spatial resolution output (datasets) from the global climate models at scales that are useful for evaluating potential threats to critical infrastructure at regional and local scale

o Climate Change Information to Hydrologic and Coastal Design of Transportation Infrastructure, Design Practice

ated at local spatial resolutions. Resilience to the changing climate has also been identified by the US Department of Defense (DoD) as a necessary part of the installation planning and basing process (DoD Report on Effects of a Changi ed as facing potential threats from climate change. The threats faced due to changing climate include recurrent flooding, droughts, desertification, wildfires and thawing permatrost.

GET INVOLVED

We Need

YOUR

HELP!

The Wiki strives to be complete, comprehensive and eventually, the "go-to" website for environmental information. The best way we can think to achieve this is to use community involvement.

Review the website and let us know what you think at www.feedback.enviro.wiki



Enviro Wiki



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