

Environmental Cost Engineering Committee

Improving Environmental Project Cost Management

# **FRTR WEB PAGE Environmental Cost Engineering Section**

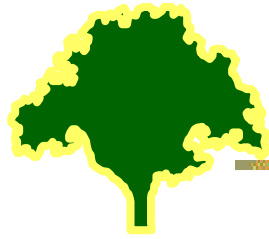
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Bryan Skokan, DOE Environmental Management

Presented to

Federal Remediation Technologies Roundtable

December 1, 2003



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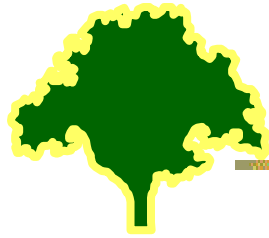
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# Cost Engineering Section of the FRTR Web Page

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- Objectives :
  - A Cost Engineering Interest Area within the FRTR
  - Use of the FRTR Web Site to Organize, Communicate, and Coordinate Cost Information and Group Efforts
  - Coordinate Cost Item lists and FRTR Treatment Technologies Screening Matrix
  - Present and future support for Cost Element Breakdowns, Guides, cost collection and analysis efforts



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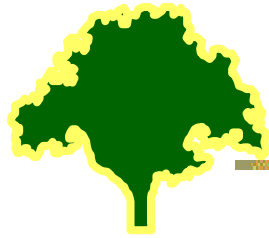
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# Cost Engineering Section of FRTR Web Page (Cont'd.)

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- Proposed Contents of the Cost Web Page:
  - Web Site Listing of Agency Contacts
  - List of On- Going Tools and Projects
  - Post Cost Estimating Information & upcoming meetings/events
  - Post FRTR/EC<sup>2</sup> “ downloadable products, (ECES, area cost factors)
  - Post interagency Cost Data; Cost Analysis
  
- Benefits
  - Makes More Cost Estimating Expertise Available to the FRTR
  - EC<sup>2</sup> will Benefit From FRTR Cost work and Information
  - Multiple Opportunities for Case Studies and Shared Data; this cooperation allows them to be capitalized upon



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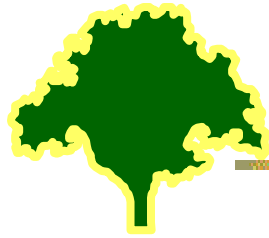
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# What Are Some of the EC<sup>2</sup> Initiatives

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- Guide to Developing & Documenting Remedial Alternative Cost Elements During the Feasibility Study.
- Environmental Cost Element Structure (ECES) – list and data dictionary of environmental cost items – maintained as an ASTM International Standard.  
standardized
- Historical Cost Analysis System (HCAS) – Cost database
- Remedial Action Cost Engineering Requirements (RACER) System, Tank RACER, potential future Enterprise RACER.
  - Additional RACER Models: D&D, Munitions Response Modules, Phytoremediation.
- Extensible Markup Language (XML) Standards for Leveraging Cost Model Development.

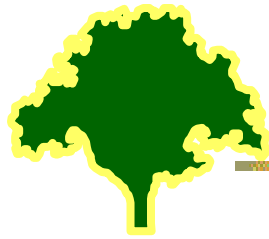


# What We've Been Doing: More EC<sup>2</sup> Initiatives

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- *CostRisk* Software for Risk Analysis and Contingency Requirements Determination
- Area Cost Factors (ACF) for Environmental Remediation Work
- Micro-Computer Aided Cost Estimating System (MCACES/M2) – detailed “bottoms up” cost estimating software
- Training Project/Program Managers in Use of Cost Estimating Tools



## Next Steps

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- Post the revised listing of agency FRTR/EC2 individuals with contact information
- Revise and post the listing/description of ongoing Cost Engineering projects
- Design –Implement FRTR web page layout and format
- Next EC2 meeting - Jan 04 – possibly at Navy Yard
- Continue work on existing initiatives
- Possible New cost Initiative – FRTR/EC2 Historical cost database?