NEWSBridge: Feeding RSS and WML to PNNL

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NEWSBridge

Gathering Requirements

▶ Online Newsletter

▶ Daily Publication (Mon-Fri)

▶ Available via Email

▶ Available to Wireless Devices

▶ Maintained by Librarians

NEWSBridge

Emerging Technologies

► XML

- XSLT – transforming XML
- WML – for mobile devices
- RSS – base document format

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NEWSBridge

Implementation

▶ Email Subscription
- Web-based sign-up
- Web-based administration
- SQL Server

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NEWSBridge

Implementation

▶ Authoring Process

- Web-based Management
- Story Source Management
- SQL Server

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Implementation

▶ Publishing Method

- RSS Saved to Production
- XSLT Transformation to Webpage
- XSLT Transformation to Email (email sent)
- XSLT Transformation to WML
- Publish Updates without sending Email

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NEWSBridge

XML Flexibility

- Namespaces
- Syndication
- Search

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NEWSBridge

What it Does

▶ Build Daily Newsletter

- Done online; Users from Remote Sites

▶ Saved in Archive

- 2 Weeks for Users; Complete for Staff

▶ Search Archives

- Currently Only Available for Staff

▶ Read Online, Email, and Mobile

▶ Share Content With Others

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Future Goals

▶ Automatic Authoring
- Pull RSS Sources Directly into Admin Tool
- Click of a Button to Enter Content
- No More Copy and Paste for RSS Content

▶ Images?
- Binary Content in RSS

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