

Innovate and Collaborate
Using WordPress 3 to Build a Research Database



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<http://www.christophergabel.com/heweb11/>

Agenda

- What do we need? Who will use it?
- Evaluating solutions
- Development
- Lessons Learned
- Future

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What do we need? Who will use it?

- Audience
 - Graduate Students
 - Researchers
 - Corporations

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What do we need? Who will use it?

- What is it supposed to look like?



What do we need? Who will use it?

- What does the site *need* to do?
 - Display all active projects
 - NSF style bio for researchers
 - Link departments, researchers, centers with projects
 - Sort/Search by keyword



Evaluating solutions


- HTML
- Drupal
- WordPress
 - WP natively supports most of our required features
 - Categories
 - Administrative back end
 - Archiving & searching
 - WP allows adding more features via plug-ins or custom code
 - Custom Post Types
 - Custom Taxonomies



Development

HTML

- Graphics/pallet prebuilt
- Using 960 framework
- Snippets from existing templates



Development

Custom post type (Researchers, Projects, Slider)

- Brief Explanation
- Code
- <http://themergency.com/generators/wordpress-custom-post-types/>




Development

Custom post type Template
single-researchers.php
Added custom metaboxes



Development

Custom taxonomy
Brief Overview
Code



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Development

Hooks (linking it all together)

- Brief Overview
- Code example
- Draw backs - data base calls
- Other Solutions – Taxonomy Meta




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Development

Plugins

- Cforms
- CSV Importer
- Google Analyticator
- Redirection
- Search Everything
- Top 10



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Lessons Learned


- Database calls
- Empower users
- Make everything simple



The logo for the University of Kentucky College of Engineering, featuring the letters 'UK' in a large, bold font, with 'UNIVERSITY OF KENTUCKY' and 'College of Engineering' in smaller text below it.

Future Features

- Standardize keywords
- Shorten titles
- Automatic end date
- Digital Measures tie in
- Centers and Consortia post type
- Taxonomy metadata



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