

The background of the image is a close-up of a notebook page filled with hand-drawn wireframe sketches for a website. The sketches are drawn with black ink and some areas are highlighted in green. They show various rectangular boxes representing content areas, some with internal lines suggesting sub-sections or text alignment. There are also some circular and oval shapes, possibly representing buttons or profile pictures. Faint handwritten notes in cursive are visible around the sketches, such as 'cards' at the top left, 'cars' and 'age' on the left side, and 'stars rate' and 'auth' near the bottom left. The overall style is that of a rough, conceptual design sketch.

The Single Node Website

Rapidly Producing Microsites



Hello



I'm Carlos

Full Stack Drupal Developer



I'm Brad

Web Designer & Developer

Who Are These Guys?



What's the Problem?



MORE EVENTS

Increasing number of hosted conferences each year.



DEVELOPER STRAIN

Developers were required for deploying and maintaining many features.



NO CMS

Historically content owners could not manage their own content

What are we doing wrong?

“ Hire a lazy person to do a difficult job.
Why? Because a lazy person will find
an easy way to do it. ”

-Bill Gates





What are the Revamp Requirements?

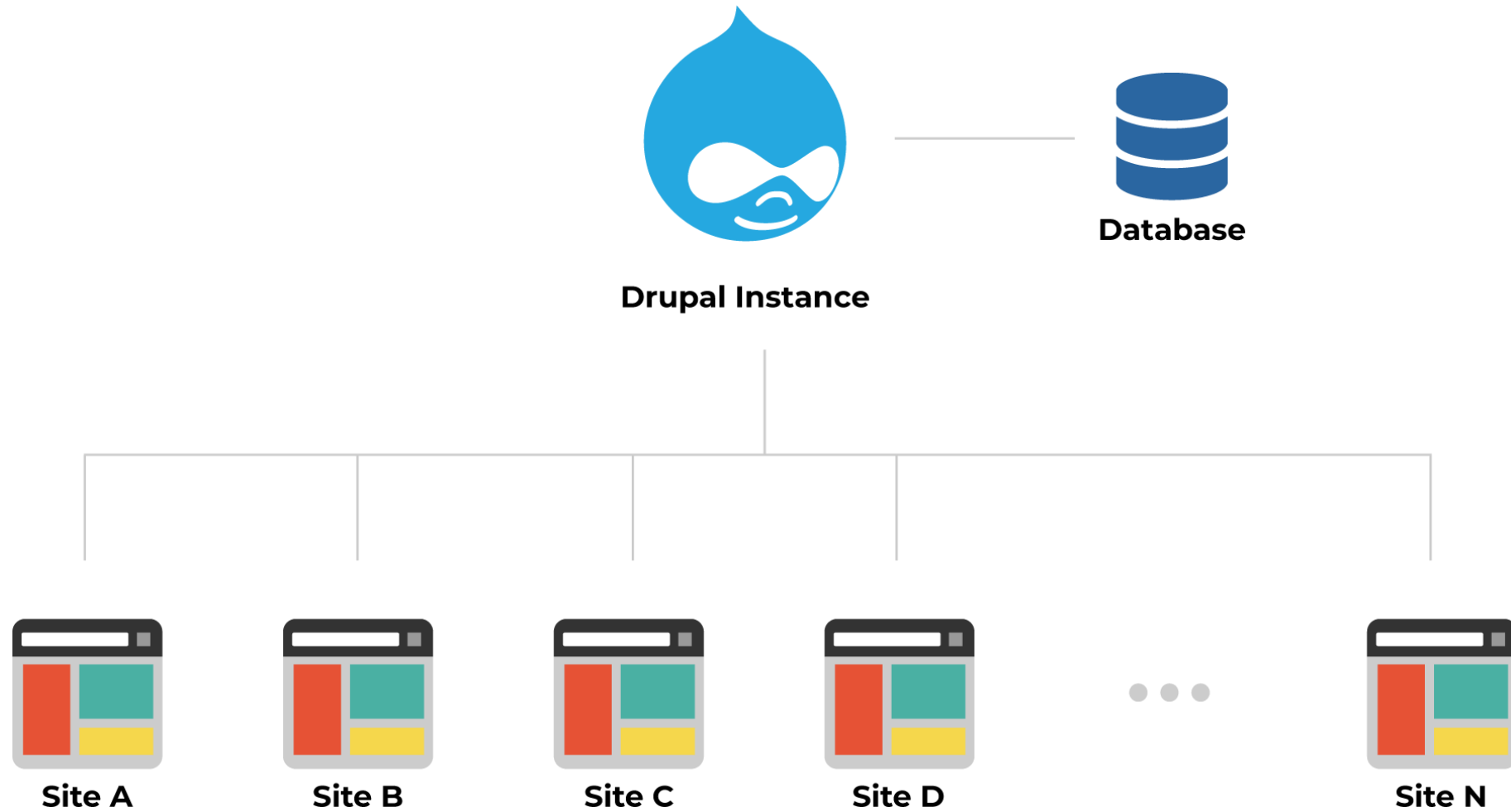
- Each site has standardized & custom pages
- Attendee registration
- Collect Abstracts
- Attendee wait list
- Cloning
- Reusable assets (venues, hotels, transportation, etc)
- Visual branding per conference host
- Empower conference coordinators
- User roles & permissions schemas

Why Drupal?

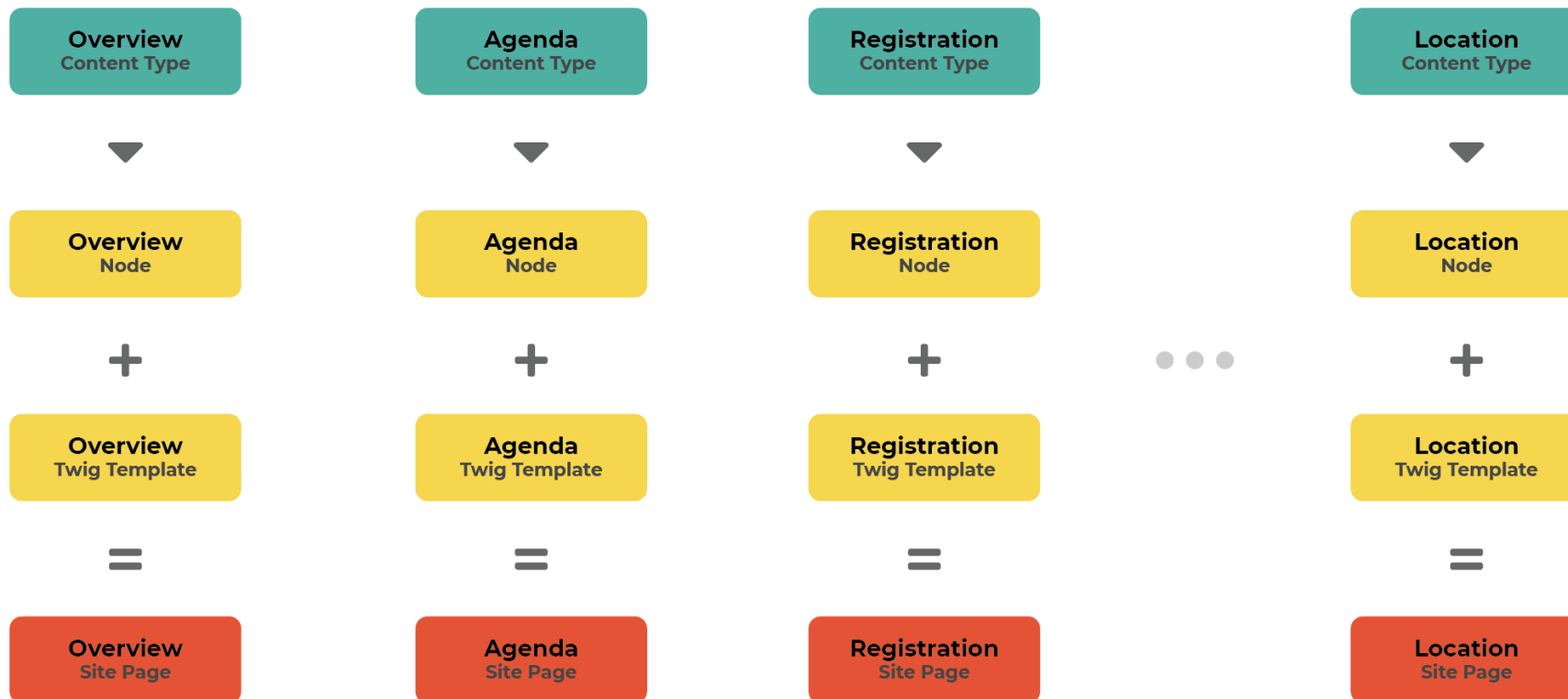


Just kidding. You know why.

Option 1: Drupal Multi-Site



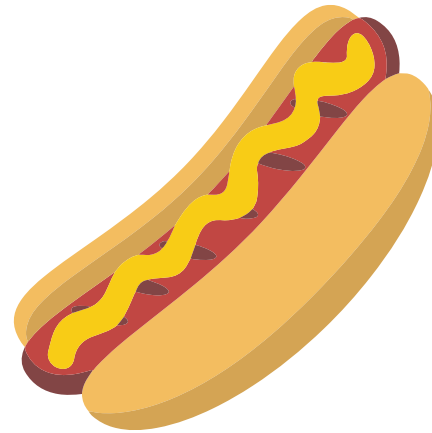
Option 2: Traditional Node-Per-Page Approach



Option 3: Single Node Website



The Winner Is...



“wiener” ... get it?



The Winner Is...

Single Node Website!



About the Solution

- Drupal 8
 - Composer
 - MariaDB
- Modules
 - Contrib
 - ACL (Access Control) + Content Access
 - Add to Calendar
 - Better Exposed Filters
 - Computed Field + Computed Field PHP Formatter
 - Conditional Fields
 - Entity Clone
 - Entity Construction Kit (ECK)
 - Inline Entity Form
 - Paragraphs
 - Pathauto + Sub-pathauto
 - ~~Rules~~
 - Serialization (CSV + Excel)
 - Simple Google Maps
 - ~~View Mode Page~~
 - Webform + Webform Views
- Modules (cont'd)
 - Custom
 - Calendar Tokens
 - Conference Archive
 - Conference Form Settings
 - Date Range
 - DMS Theme Functions
 - Driving Distance Calculator
 - Dynamic Pages (Routing and more) [this replaced View Mode Page]
 - Export Data
 - Inline Entity Field Dropdown
- Themes
 - Contrib
 - Omega
 - Seven
 - Custom
 - Ncif_Omega
 - Conferences_Omega
 - Conferences_Seven

Creating / Editing Content: General Information

Active Conferences | NCIF Confer x | Lorem Ipsum - All the facts - Lip: x | +

https://ncifrederick.cancer.gov/events/conferences/admin/workbench

Back to site Workbench Manage Shortcuts robertsonba PROD Devel Edit

Content Structure Appearance Extend Configuration People Reports Help

Active Conferences

Active Conferences Archived Conferences

TITLE	DATE	AUTHOR	LAST UPDATED	ATTENDEES	ABSTRACTS	SPEAKERS	
Wicked Cool Conference	October 25, 2018	robertsonba	2 minutes 58 seconds ago				edit
Therapeutic Interventions and Resistance Mechanisms	October 22, 2019	mccutchent	20 hours 8 minutes ago	export			edit
Cancer and Inflammation: From Micro to Macro	October 17 - 18, 2019	lamj	1 day 2 hours ago	export		export	edit
Frontiers in Light Microscopy	November 20, 2019	lamj	3 days 1 hour ago	export			edit
NCI Myelodysplastic Syndromes Symposium	July 12, 2019	lamj	4 days ago	export		export	edit
NCI CCR Liver Cancer Program: Special Conference on Tumor Metabolism	October 28 - 29, 2019	mccutchent	2 weeks ago	export	export		edit
BASICS OF GOVERNMENT CONTRACTING - A SUBCONTRACTOR'S PERSPECTIVE	June 18 - 19, 2019	mccutchent	3 weeks 3 days ago	export			edit
Symposium in Honor of the Career of Dr. Dennis Klinman	June 27, 2019	mccutchent	4 weeks ago	export			edit
Science in the Laboratory of Molecular Biology, NCI: Lessons from History and Prospects for the Future	October 21 - 23, 2019	lamj	1 month ago	export	export		edit
3rd NIH Chronic GVHD (cGVHD) Study Group Intramural Retreat	November 14 - 15, 2019	hensonsa	1 month ago	export			edit
Innate Immune Memory	November 5, 2019	mccutchent	1 month 3 weeks ago	export			edit
Frontiers in Light Microscopy - Cloned		fernandezmartcr	2 months 1 week ago				edit
NCI RNA Initiative Retreat 2019	November 4, 2019	lamj	3 months ago	export			edit
Chromatin & Cell Fate Decisions in Development, Aging & Cancer	November 14 - 15, 2019	lamj	3 months 1 week ago	export	export		edit

Creating / Editing Content: Admin Twig Templates

← → ↻ 🔒 https://ncifrederick.cancer.gov/events/conferences/2019NCICRLCP/edit

Workbench Manage Shortcuts fernandezmaricz PROD Devel

My Workbench Create content My edits All recent content Configure

Edit Conference NCI CCR Liver Cancer Program: Special Conference on Tumor Metabolism

View Access control Edit Delete Revisions Devel Clone

Conference Name *

NCI CCR Liver Cancer Program: Special Conference on Tumor Metabolism

Page Title

Accommodation & Travel

Open Date

02/13/2019

Close Date

10/25/2019

Page Title

Venue & Directions

Banner Image

Choose File No file chosen

One file only.
2 MB limit.
Allowed types: png gif jpg jpeg.
Images must be larger than 810x255 pixels.

Logo

Choose File No file chosen

One file only.
2 MB limit.
Allowed types: png gif jpg jpeg.
Images must be larger than 810x180 pixels.

Branding

Center for Cancer Research


Email

Phone

Page Title

Overview


Banner Image



Alternative text *

NIH, Building 10, Masur Auditorium

Short description of the image used by screen readers and displayed when the image is not loaded. This is important for accessibility.

 NIHbldg10.jpg (191.32 KB)

REMOVE

Page Title

Agenda

☒ Enable Hotels

☐ Enable Custom Pages

Published

Last saved: 06/27/2019 - 14:49

Author: mccutchen

☒ Create new revision

Revision log message

Briefly describe the changes you have made.

► MENU SETTINGS

▼ URL ALIAS

☐ Generate automatic URL alias
Uncheck this to create a custom alias below. Configure URL alias patterns.

URL alias

/2019NCICRLCP

Specify an alternative path by which this data can be accessed. For example, type "/about" when writing an about page.

► URL REDIRECTS

► AUTHORIZING INFORMATION

► PROMOTION OPTIONS

← → ↻ 🔒 https://ncifrederick.cancer.gov/events/conferences/2019NCICRLCP/edit

Workbench Manage Shortcuts fernandezmaricz PROD Devel

My Workbench Create content My edits All recent content Configure

Edit Conference NCI CCR Liver Cancer Program: Special Conference on Tumor Metabolism

View Access control Edit Delete Revisions Devel Clone

Conference Setup

CONFERENCE NAME *

NCI CCR Liver Cancer Program: Special Conference on Tumor Metabolism

CONFERENCE SUBTITLE

BRANDING

Center for Cancer Research

DISPLAY

Visible

☒ SHOW ADD TO CALENDAR WIDGET

CONTACT INFORMATION EDIT ALL

Contacts Anuradha, Budhu EDIT

FIRST NAME **LAST NAME** **EMAIL** **PHONE**

ADD CONTACTS

Quick Facts

CONFERENCE NAME

NCI CCR Liver Cancer Program: Special Conference on Tumor Metabolism

START DATE **END DATE**

10/28/2019 10/29/2019

CONFERENCE URL

https://ncifrederick.cancer.gov/events/conferences/2019NCICRLCP

REGISTRATION URL

https://ncifrederick.cancer.gov/events/conferences/2019NCICRLCP/registration

SPEAKER REGISTRATION URL

https://ncifrederick.cancer.gov/events/conferences/2019NCICRLCP/speaker

REGISTRATION OPEN **REGISTRATION CLOSE**

02/13/2019 10/25/2019

REGISTRATION CAPACITY **WAITLIST CAPACITY**

400 people Disabled

ABSTRACT SUBMISSION URL

https://ncifrederick.cancer.gov/events/conferences/2019NCICRLCP/abstract

ABSTRACT OPEN **ABSTRACT CLOSE**

02/13/2019 07/19/2019

Published

Last saved: 06/27/2019 - 14:49

Author: mccutchen

☒ Create new revision

Revision log message

Briefly describe the changes you have made.

► MENU SETTINGS

▼ URL ALIAS

☐ Generate automatic URL alias
Uncheck this to create a custom alias below. Configure URL alias patterns.

URL alias

/2019NCICRLCP

Specify an alternative path by which this data can be accessed. For example, type "/about" when writing an about page.

► URL REDIRECTS

► AUTHORIZING INFORMATION

Webform Submissions

Overview

Agenda

Location

Accommodation and Travel

Security

Registration Settings

Abstract Settings

Custom Pages

Attendees EXPORT Waitlist

LAST NAME APPLY

CREATED	NAME
06/17/2019	Adigun, Joy
06/10/2019	Agarwala, Richa
04/04/2019	Almad, Amber
03/28/2019	Almed, Mansoor
04/27/2019	Altbrecht, Jeff
06/24/2019	Alpini, Gianfranco
03/28/2019	Alvarez Privado, Christian
07/01/2019	Ambs, Stefan
03/27/2019	Amin, Anowarul
07/02/2019	Appella, Ettore

1 2 3 4 5 ... » Last »

Speakers

Withdrawn Registrations

There are no waitlist registrations at this time.

Creating / Editing Content: Preprocess Logic

Edit Conference NCI CCR Liver Cancer Program: Special Conference on Tumor Metabolism

Conference Setup

CONFERENCE NAME *
NCI CCR Liver Cancer Program: Special Conference on Tumor Metabolism

CONFERENCE SUBTITLE

BRANDING
Center for Cancer Research

DISPLAY
Visible

☒ SHOW ADD TO CALENDAR WIDGET

CONTACT INFORMATION

Contacts
Anuradha, Badhu

ADD CONTACTS

Quick Facts

CONFERENCE NAME
NCI CCR Liver Cancer Program: Special Conference on Tumor Metabolism

START DATE
10/28/2019

END DATE
10/29/2019

CONFERENCE URL
https://ncifrederick.cancer.gov/events/conferences/2019NCICCRCLCP

REGISTRATION URL
https://ncifrederick.cancer.gov/events/conferences/2019NCICCRCLCP/registration

SPEAKER REGISTRATION URL
https://ncifrederick.cancer.gov/events/conferences/2019NCICCRCLCP/speaker

REGISTRATION OPEN
02/13/2019

REGISTRATION CLOSE
10/25/2019

REGISTRATION CAPACITY
400 people

WAITLIST CAPACITY
Disabled

ABSTRACT SUBMISSION URL
https://ncifrederick.cancer.gov/events/conferences/2019NCICCRCLCP/abstract

ABSTRACT OPEN
02/13/2019

ABSTRACT CLOSE
07/19/2019

Attendees

LAST NAME *
[Input field]

APPLY

CREATED	NAME
06/17/2019	Adigun, Joy
06/10/2019	Aparnala, Richa
04/04/2019	Ahmad, Amber
03/28/2019	Ahmed, Mansoor
04/27/2019	Albrecht, Jeff
06/24/2019	Alpini, Gianfranco
03/28/2019	Alvarez Privado, Christian
07/01/2019	Amb, Stefan
03/27/2019	Amin, Anowarul
07/02/2019	Appella, Ettore

Speakers

Withdrawn Registrations

Published

Last saved: 06/27/2019 - 14:49

Author: mccutchen

☒ Create new revision

Revision log message

Node Edit
Form

Webform Submissions

Overview

PAGE TITLE
Accommodation & Travel

ACCOMMODATION URI

Body

TEXT FORMAT
Basic HTML

ENABLE HOTELS

SUB HEADER HOTELS
Accommodations

HOTELS TEXT

TEXT FORMAT
Basic HTML

SELECT ACCOMMODATION OPTIONS

Accommodation Opt... American Inn of Bethesda

Accommodation Opt...

TITLE *

ADDRESS

The title of the entity.

PHONE NUMBER

Provide the phone number for the accommodation.

URL

Start typing the title of a piece of content to select it. You can also enter an internal path such as <node/add/> or an external URL such as http://example.com. Enter </front> to link to the front page.

LINK TEXT

Provide a hyperlink to the website associated with the accommodation.

CREATE **CANCEL**

Published

Last saved: 06/27/2019 - 14:49

Author: mccutchen

☒ Create new revision

Revision log message

Briefly describe the changes you have made.

MENU SETTINGS

URL ALIAS

☒ Generate automatic URL alias
Uncheck this to create a custom alias below. Configure URL alias patterns.

URL alias
/2019NCICCRCLCP

Specify an alternative path by which this data can be accessed. For example, type "/about" when writing an about page.

URL REDIRECTS

AUTHORING INFORMATION

PROMOTION OPTIONS

Management & Config

Global

Page Specific

The image displays two side-by-side screenshots of the NCI CCR Liver Cancer Program website, illustrating the relationship between the management interface (left) and the public-facing page (right). Orange arrows connect specific elements between the two views, highlighting the flow of data and configuration.

Left Screenshot (Management Interface):

- Conference Setup:** Fields for Conference Name, Subtitle, Branding, Contact Information, and a "Show Add to Calendar Widget" checkbox.
- Webform Submissions:** A sidebar menu with options like Overview, Agenda, Location, Accommodation and Travel, Security, Registration Settings, Abstract Settings, and Custom Pages.
- Page Title:** A field for the page title, currently set to "Overview".
- Body:** A rich text editor for the main content, currently displaying a paragraph about the conference.
- Text Format:** A dropdown menu for text formatting, currently set to "Basic HTML".
- Banner Image:** A section for uploading a banner image, currently showing a placeholder image.
- Quick Facts:** A section for key information, including Start Date, End Date, Conference URL, Speaker Registration URL, Registration Open/Close dates, Registration Capacity, and Abstract Submission URL.
- Published:** A section for publication details, including Last saved, Author, and a checkbox for "Create new revision".
- Menu Settings:** A section for configuring the menu, including a checkbox for "Generate automatic URL alias" and a field for "URL alias".
- URL Redirects:** A section for configuring URL redirects, including a checkbox for "Generate automatic URL alias" and a field for "URL alias".
- Authoring Information:** A section for authoring information, including a checkbox for "Generate automatic URL alias" and a field for "URL alias".

Right Screenshot (Public-Facing Page):

- Header:** The NCI CCR Liver Cancer Program logo and navigation links.
- Section:** "NCI CCR Liver Cancer Program: Special Conference on Tumor Metabolism".
- Overview:** The main content area, featuring a large image of the NIH Building 10 and a description of the conference.
- Registration:** A section for registration, including a "REGISTER NOW" button.
- Location:** A section for location information, including the address "Masur Auditorium, NIH, 10 Center Dr, Building 10, NIH Bethesda, MD 20814".
- Agenda:** A section for the conference agenda, currently showing "October 28 - 29, 2019".
- Abstract:** A section for abstract submission, including a "SUBMIT NOW" button.
- Location:** A section for location information, including the address "Masur Auditorium, NIH, 10 Center Dr, Building 10, NIH Bethesda, MD 20814".
- Hotel & Travel:** A section for hotel and travel information, including a "BOOK NOW" button.
- Security:** A section for security information, including a "SECURITY" button.

Orange arrows connect the following elements:

- Conference Name (Management) to Conference Name (Public)
- Conference Subtitle (Management) to Conference Subtitle (Public)
- Branding (Management) to Branding (Public)
- Contact Information (Management) to Contact Information (Public)
- Page Title (Management) to Page Title (Public)
- Body (Management) to Body (Public)
- Text Format (Management) to Text Format (Public)
- Banner Image (Management) to Banner Image (Public)
- Quick Facts (Management) to Quick Facts (Public)
- Published (Management) to Published (Public)
- Menu Settings (Management) to Menu Settings (Public)
- URL Alias (Management) to URL Alias (Public)
- URL Redirects (Management) to URL Redirects (Public)
- Authoring Information (Management) to Authoring Information (Public)

Viewing Content: Types of Pages

Overview | NCI CCR Liver Cancer

https://ncifrederick.cancer.gov/events/conferences/2019NCICRLCP

Incognito (2)

NIH NATIONAL CANCER INSTITUTE NCIatFrederick

Staff Site Services Science Programs Phonebook

CENTER FOR CANCER RESEARCH

NCI CCR Liver Cancer Program: Special Conference on Tumor Metabolism

October 28 - 29, 2019

OVERVIEW AGENDA REGISTRATION ABSTRACT LOCATION HOTEL & TRAVEL SECURITY

General Information

For conference-related questions please contact

Anuradha Budhu

budhua@mail.nih.gov

240-760-6837

Location

Masur Auditorium, NIH

10 Center Dr.
Building 10
NIH Bethesda, MD 20814

ADD TO CALENDAR

Overview

October 28 - 29, 2019

Masur Auditorium, NIH
10 Center Dr.
Building 10
NIH Bethesda, MD 20814

The NCI-CCR-Liver Cancer Program: Special Conference on Tumor Metabolism will bring together experts in the multidisciplinary field of liver cancer to update on research progress and future directions, with a focus on tumor metabolism. The meeting will also foster collaboration and team science among various disciplines of liver cancer research including epidemiology and translational science.

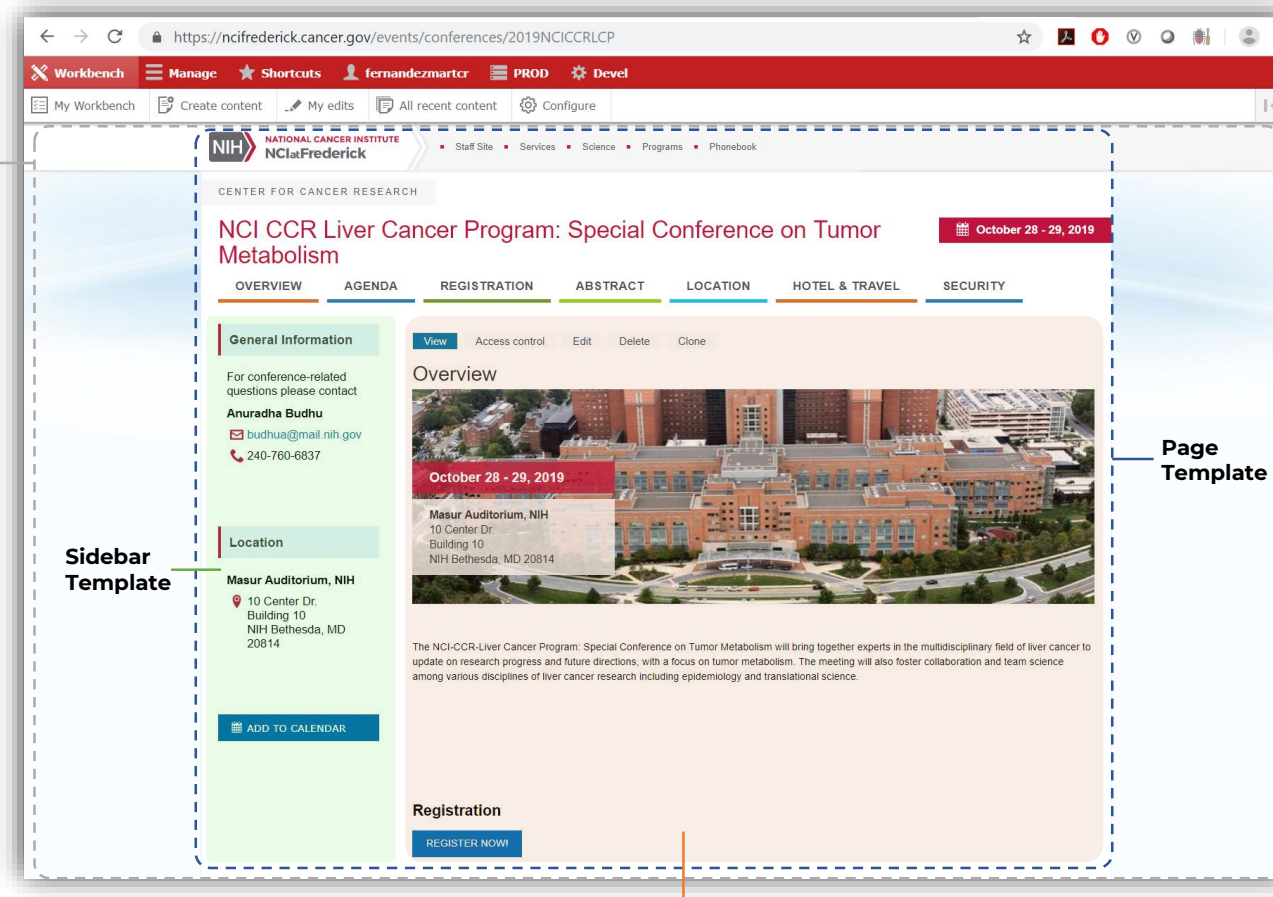
Registration

REGISTER NOW

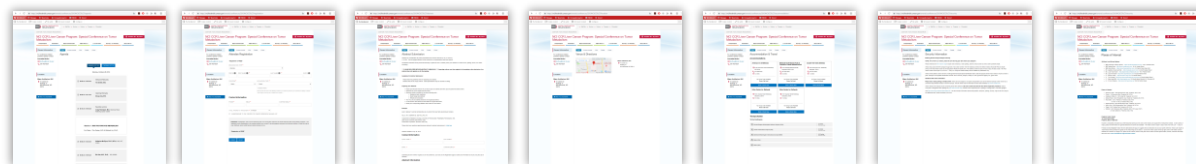
U.S. Department of Health and Human Services | National Institutes of Health | National Cancer Institute | USA.gov

Twig Templates

HTML Template



Node Template(s)



Viewing Content: Archiving Old Content

The screenshot displays the NCI at Frederick Staff Portal. The browser address bar shows the URL <https://ncifrederick.cancer.gov/events/conferences/>. The portal's navigation bar includes links for Workbench, Manage, Shortcuts, and user information (robertsonba). Below this, a secondary navigation bar lists My Workbench, Create content, My edits, All recent content, and Configure. The main header features the NIH and NCI at Frederick logos, along with links to Staff Site, Services, Science, Programs, and Phonebook. The page title is 'Conferences and Meetings'. The left sidebar contains a 'Conferences' section with links to Services, Upcoming Conferences, Past Conferences, and Request, and an 'Upcoming' section listing three events: 'Therapeutic Interventions and Resistance Mechanisms' (Oct 22, 2019), '3rd NIH Chronic GVHD (cGVHD) Study Group Intramural Retreat' (Nov 14, 2019), and 'Frontiers in Light Microscopy' (Nov 20, 2019). The main content area is titled 'Welcome to Conferences & Meetings' and includes a link to the 'NCI at Frederick Events Calendar'. Below this, a section titled 'Conference Web Services' is divided into two columns. The left column, 'What We Provide', lists four services: 'A Website for Your Conference', 'Quick Turn Around Time', and 'An Online Registration Form'. The right column, 'What We Don't Provide', lists three services: 'Content', 'Comprehensive Customization', and 'Registration Fee Collection'. Each service is accompanied by a brief description of the support provided or not provided.

Conferences and Meetings

View Edit Delete Revisions Devel Clone

Welcome to Conferences & Meetings

More events can be found in the [NCI at Frederick Events Calendar](#).

Conference Web Services

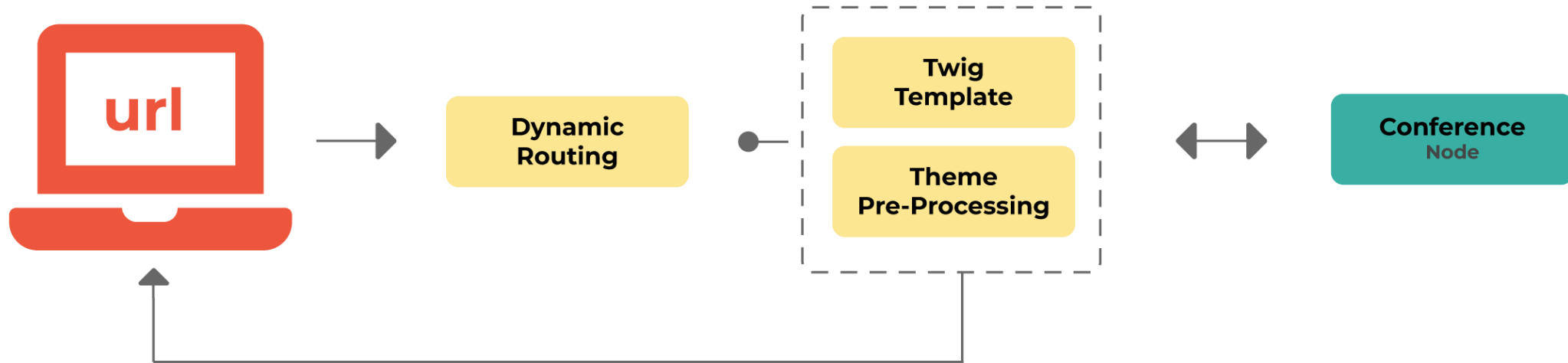
What We Provide

- A Website for Your Conference**
Our group creates basic registration websites for the NCI at Frederick community. A basic site includes several standard web pages with the possibility for more.
- Quick Turn Around Time**
Our process enables us to get your website up and running in roughly 5 business days if all relevant information is provided.
- An Online Registration Form**
Our standard form collects registrant's contact information and their abstract (if needed). We can add fields for you, but we are somewhat limited by the structure of the website. Your site will include a simple admin interface for real time submission tracking.

What We Don't Provide

- Content**
We will work with you to get your website ready, but you must give us the content. This includes things like event title, description, images, and registration dates.
- Comprehensive Customization**
The websites we create share a common design and layout which means the overall design (things like the layout, colors, and fonts) can not be changed.
- Registration Fee Collection**
NCI at Frederick events are free, and as such we do not do any payment collection.

The Secret Sauce: Communication of the Components



- On Node Save
 - Routing.yml
 - Routing Controller
- On URI Request
 - Dynamic Page Controller
 - URI Validation
 - Field Validation
 - Theme Suggestion

The Secret Sauce: Dynamic Routing



dynamic_pages.routing.yml



DynamicRoutes.php



DynamicPages.php

```
$nids = \Drupal::entityQuery('node')->condition('type','conference')->execute();  
$nodes = \Drupal\node\Entity\Node::loadMultiple($nids);
```

```
$routes = new RouteCollection();
```

```
route_callbacks:
```

```
foreach ($nodes as $node) {  
  \Drupal\dynamic_pages\Routing\DynamicRoutes::routes
```

```
    $nid = $node->id();
```

```
    $conferenceName = \Drupal::service('path.alias.manager')->getAliasByPath('/node/' . $nid);
```

Step 2 - Search for the {page} variable from the url within the array

```
    $routes->add(  
      'dynamic_pages.' . $nid,  
      new Route(  
        'https://thclfrederick.cancer.gov/events/conferences/CONFERENCE_NAME/PAGE
```

```
        $conferenceName . '/' . {page}', array(  
          'controller' => '\Drupal\dynamic_pages\Controller\DynamicPages::content',  
          '_title' => $node->getTitle(),  
          'nid' => $nid,  
          array(  
            'permission' => 'access.content'
```

Step 3a - If the variable is found in the array, return response suggesting a theme

Step 3b - If the variable is not found in the array, throw a `NotFoundHttpException()`;

```
  }
```

```
return $routes;
```


The Secret Sauce: Preprocess

The screenshot shows the 'WebBench' administration interface for a conference agenda. The left sidebar contains navigation links: Home, Agenda, Location, Accommodation and Travel, Security, Registration Settings, Abstract Settings, and Custom Pages. The main content area is titled 'Agenda' and shows a list of events for 'Monday, October 28, 2019'. The events are listed in a table with columns for 'Event', 'Speaker', and 'Time'. The events include 'Welcome Remarks, Tim Greten, M.D.', 'Opening Remarks, Doug Lowy, M.D.', 'Session 1: NEW TACTICS AND PREVENTION', 'Session 2: MICROBIOME, IMMUNE BIOLOGY & ...', and 'Breakfast'. The right sidebar contains 'REGISTRATION DATA' and 'PUBLISHED' information.

Conference Node



Agenda Pre-Process Function

1. Gets CONFERENCE DAY field items
2. Gets all the EVENTS in each item from the conference day field



Agenda Array

Monday, October 28, 2019

Time => '8:00 am - 8:05 am'
Title => "Welcome Remarks
Speaker => 'Tim Greten, M.D.'"

Time => '8:05 am - 8:10 am'
Title => "Opening Remarks
Speaker => 'Doug Lowy, M.D.'"

...

Tuesday, October 29, 2019

...

The Secret Sauce: Twig Templates

Agenda Page

CONFERENCE NODE

AGENDA ARRAY

Monday, October 28, 2019

Time => '8:00 am - 8:05 am'
Title => "Welcome Remarks
Speaker => 'Tim Greten, M.D."

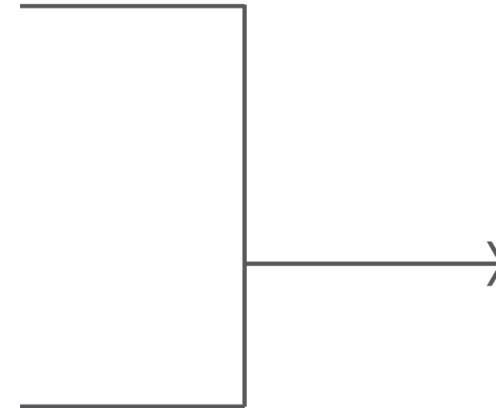
Time => '8:05 am - 8:10 am'
Title => "Opening Remarks
Speaker => 'Doug Lowy, M.D."

...

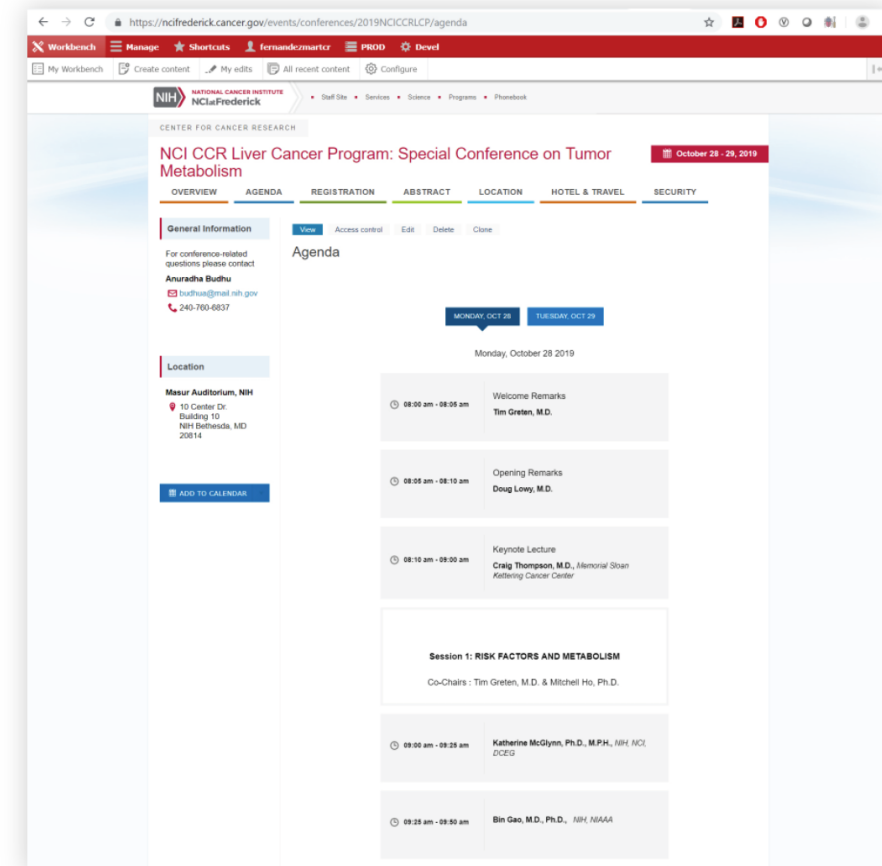
Tuesday, October 29, 2019

...

field value rendering



array items rendering



Other Stuff & Junk: Access Control

Traditional Roles

PERMISSION					
	ANONYMOUS USER	AUTHENTICATED USER	CONFERENCE AUTHOR	CONFERENCE ADMINISTRATOR	ADMINISTRATOR
Create new <i>Conference Accommodation</i> entities	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create new <i>Conference Day</i> entities	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create new <i>Conference Security</i> entities	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create new <i>Conference Transportation</i> entities	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create new <i>Conference Venue</i> entities	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Delete any <i>Conference Accommodation</i> entities	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Delete any <i>Conference Day</i> entities	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Delete any <i>Conference Security</i> entities	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Delete any <i>Conference Transportation</i> entities	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Access Control Module

WorkbenchManageShortcutsrobertsonbaPRODDevel

ContentStructureAppearanceExtendConfigurationPeopleReportsHelp

Access control for *NCI CCR Liver Cancer Program: Special Conference on Tumor Metabolism*

ViewAccess controlEditDeleteRevisionsDevelClone

About

Content Access module provides flexible way to control how and who should read or control your site content. Content Access can define custom access control rules for content types and even for every piece of content.

Add user

Add User

Submit

These settings allow you to grant access to specific users.

Other Stuff & Junk: Domain Names

- a. We only use a single domain name. Our “site” URI’s:
 - a. http://domainname.com/SITENAME-1/*
 - b. http://domainname.com/SITENAME-2/*
 - c. http://domainname.com/SITENAME-3/*
- b. What About Multiple Domains:
 - a. Domain Access
 - <https://www.drupal.org/project/domain>
 - b. Micro Site/Node (Alpha)
 - https://www.drupal.org/project/micro_site
 - https://www.drupal.org/project/micro_node
 - c. Articles about this
 - <https://blog.weareconvivio.com/managing-microsites-with-drupal-8-f3c08bcb316a>
 - <https://www.flocondetoile.fr/blog/small-sites-large-sites-micro-sites-drupal-8>



Other Stuff & Junk: The Good & The Bad

■ The Bad

- We lost some data-- Oops! (we recovered, thank you backups!)
- Caused panic with security updates
- Composer learning curve
- Rewrote multiple modules, then rewrote again

■ The Good

- So much time saved!
- Customer has full control
- GovCon validated us
- Our toolbox has grown

The Single Node Website

Any Questions?

Feel free to contact us, as well—



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