California Department of Technology

CA.GOV

WEBMASTER USER GROUP

Oct 12, 2016 Session

10:00am – 12 Noon

webtools.ca.gov

Agenda

Topic	Presenter / Facilitator
• CA Web Publishing Update	Kevin Paddock
• WUG Web Survey Results	Michael Chen, Eric Kauffman
• CA State Template Update	Artem Khomishen
• Accessibility Resources on Webtools	Michael Chen

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CA Web Publishing Update

Presenter:
Kevin Paddock

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- Overview
- https://wordpress.org/

WordPress History

- 2003 WordPress born out of a desire for an elegant, well-architected personal publishing
- It was and still is open source software licensed under GPLv2
- Focused on:
  1. Ease of use
  2. Web standards
  3. Very extensible modular design
  4. High level of functionality

WordPress Today

- 23% of the top 10 million websites
- Estimated 60% market share of all sites using a CMS world-wide
  - Next closest is Joomla with 6%

WordPress Architecture

- Technical:
  - Built on LAMP (Linux, Apache, MySQL & PHP)
- Modular Framework:
  1. WordPress core
  2. Themes (look and feel design)
  3. Plugins (extended functionality)
  4. APIs

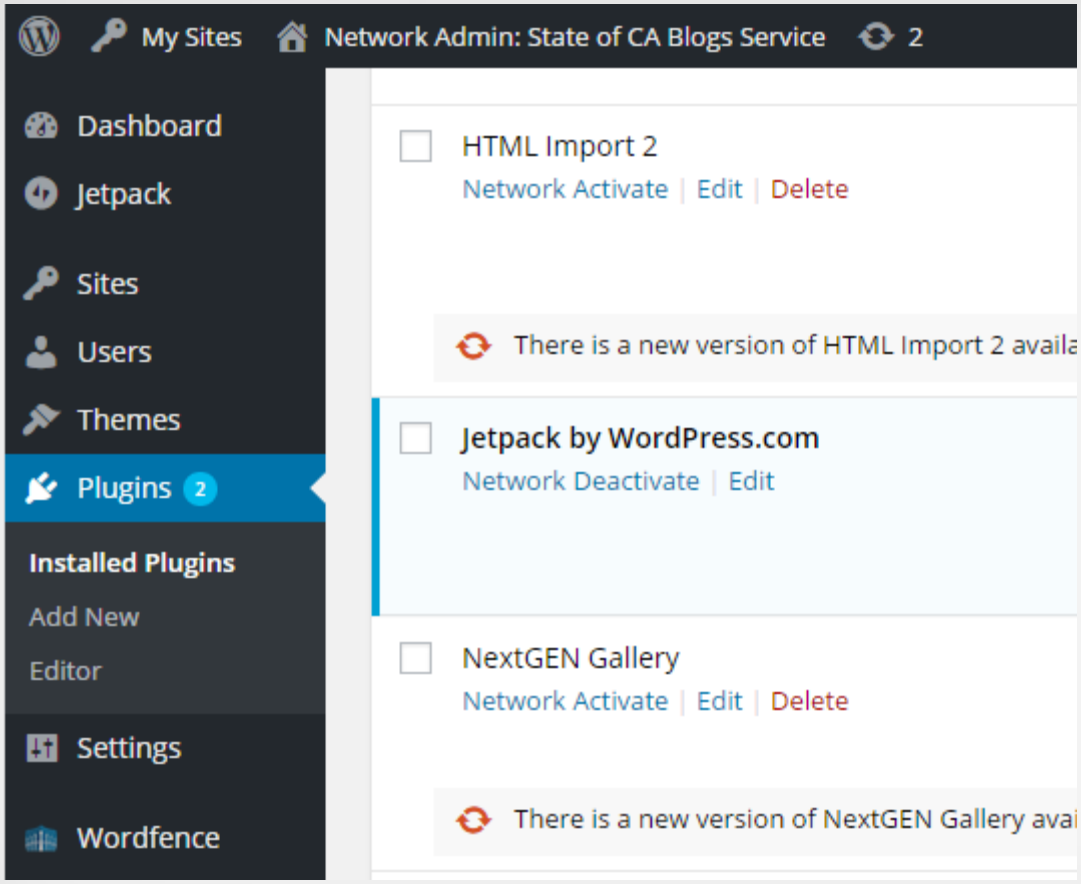
WordPress Core Functionality

- Dashboard
- Posts/News List/Feed (also covers content types)
- Pages
- Media Library (and gallery displays)
- Comments – social (can be turned off)
- Appearance – manage & configure:
  - Themes
  - Widgets
  - Menus
- Plugins (more on next slide…)
- Users – manage accounts and roles
- Tools – export
- Settings – numerous site configuration options
- **Muti-site – supports many sites within a single instance!**

WordPress Plugin Extensions

- 46,000+ of them addressing an extensive list of potential functionality
  - https://wordpress.org/plugins/
- Some of the functionalities addressed:
  - World-wide security monitoring network
  - Caching to increase response speed
  - Analytics (Google and others)
  - Social Integration and forums
  - Event Registrations and e-commerce
  - Google Maps integrations
  - Data visualizations
  - Live chat, forms and polls
  - Customized workflows
  - Tools: site migration/import, integrated customized help
  - Much, much more…

WordPress Software Distribution



1. Software is updated directly from the wordpress.org site
2. Security releases are updated automatically as soon as they are released!

For more info see: “Configuring Automatic Background Updates”
https://codex.wordpress.org/Configuring_Automatic_Background_Updates

WordPress Security

- Your site is automatically updated with security releases
- The WordPress Security Team is made up of approximately 25 experts including lead developers and security researchers.
- In addition, there are numerous plugin developers that address WordPress security, including **WordFence**
  - Millions of Websites connected and monitored in real-time
  - A forensic lab continuously analyzing the latest threats
  - Web application firewall & threat defense feed
  - Blocking brute force attacks
  - Malware scanner & Auditing of Existing Passwords
  - An additional separate team of security professionals
  - Specific alerts & warnings, and technical WordPress security articles https://www.wordfence.com/
- For more info on security: https://wordpress.org/about/security/

CA Web Publishing
WordPress Framework

- WordPress 4.6.1
- Theme: Divi by Elegant Themes
- Divi is a premium theme and plugin
- State Templates supported: v4.0, v4.5, v5.0-beta
- Child theme methodology – one theme, many templates
- Divi Builder Plugin: provides powerful and easy to use site editing.
- Divi Visual Builder: provides in-place, on-page editing
- Multi-site Plugins (the feature and functionality provide are endless)

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WUG Web Survey Results

Presenter:
Michael Chen,
Eric Kauffman

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WUG Web Survey

- Survey on CA State Template versions and features
- Held Aug 23 – Sept 7
- 42 respondents
- 9 questions

WUG Web Survey

1. Are you currently using any of the following Client Side Applications?
2. What Server Side Applications are you currently using?
3. Which Web Authoring Tools are you currently using?
4. What CMS product(s) have you implemented to your current website(s)?
5. What CMS product(s) are you considering on implementing in the near future?
6. What additional color schemes would you be interested in seeing in the California State Template?
7. What would you like to see in future template releases?
8. What template version are you currently using?
9. If you are not currently using the California State Template v4, when do you plan to implement v4?

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1. Are you currently using any of the following Client Side Applications?

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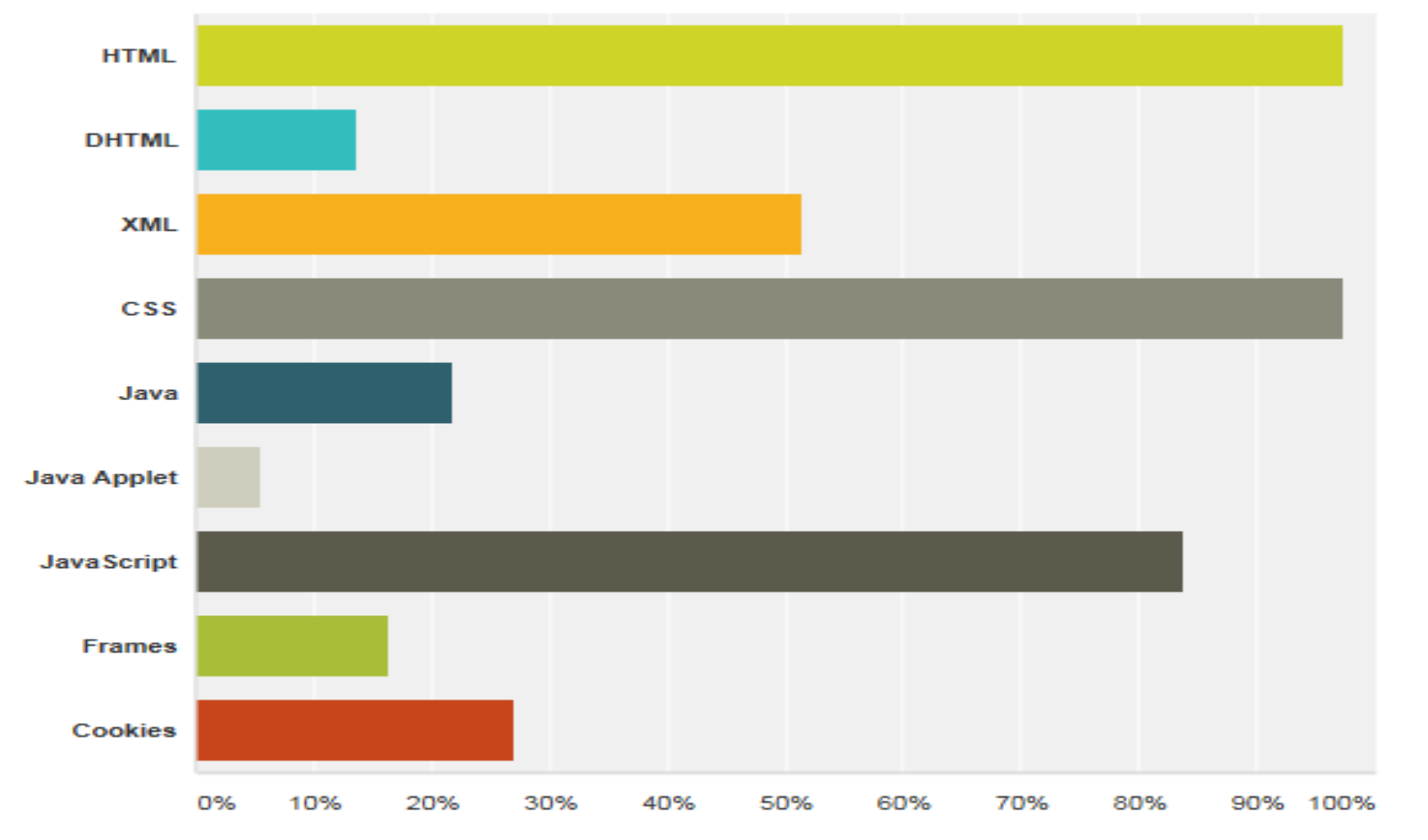

1. Are you currently using any of the following Client Side Applications?

Additional responses:

- jQuery
- SVG
- Javascript frameworks
- JSON
- ASP .Net
- CFM

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2. What Server Side Applications are you currently using?

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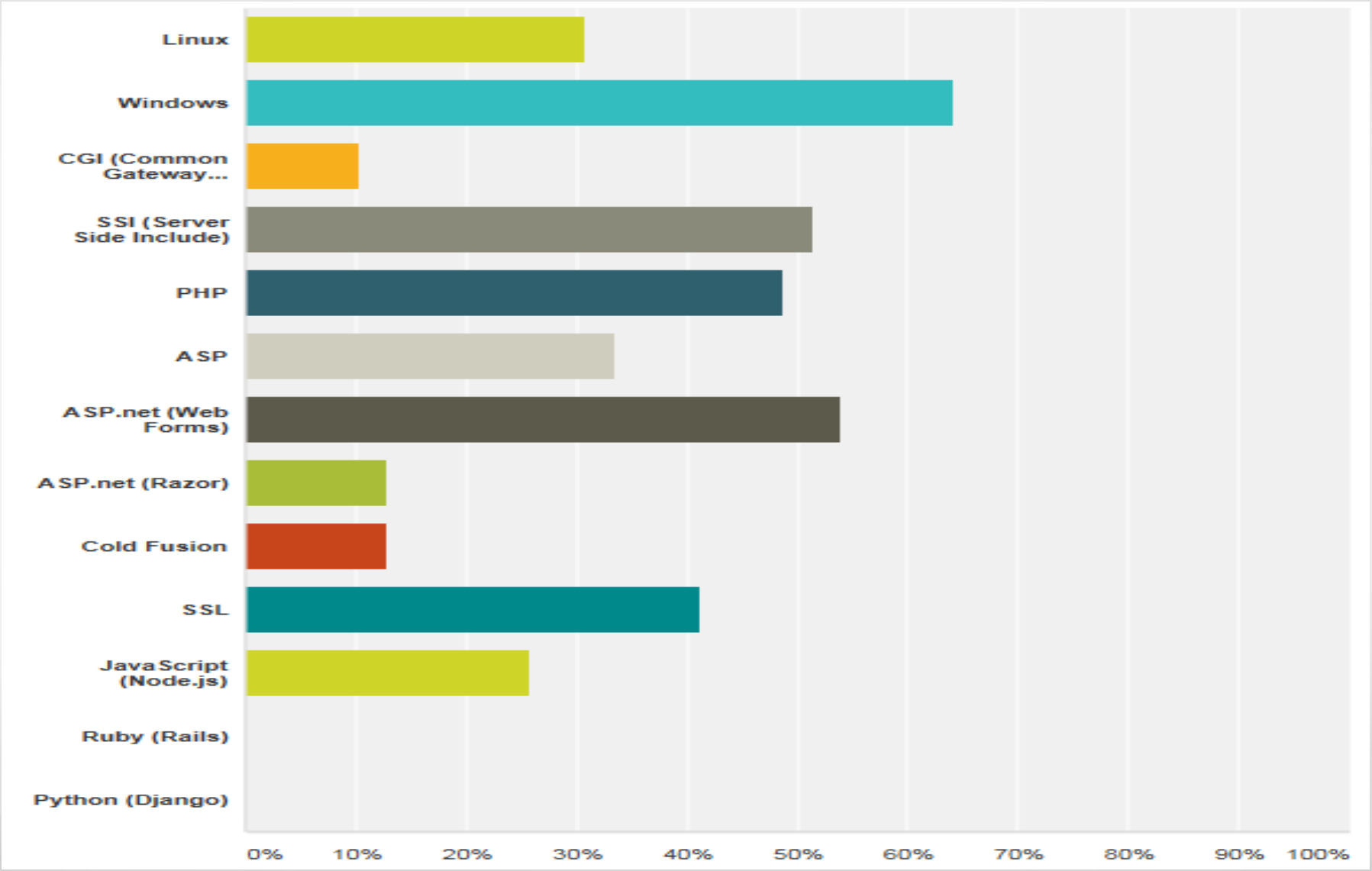

2. What Server Side Applications are you currently using?

Additional responses:

- ASP.NET MVC
- Tomcat, CAS
- ASP
- UNIX, PERL

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3. Which Web Authoring Tools are you currently using?

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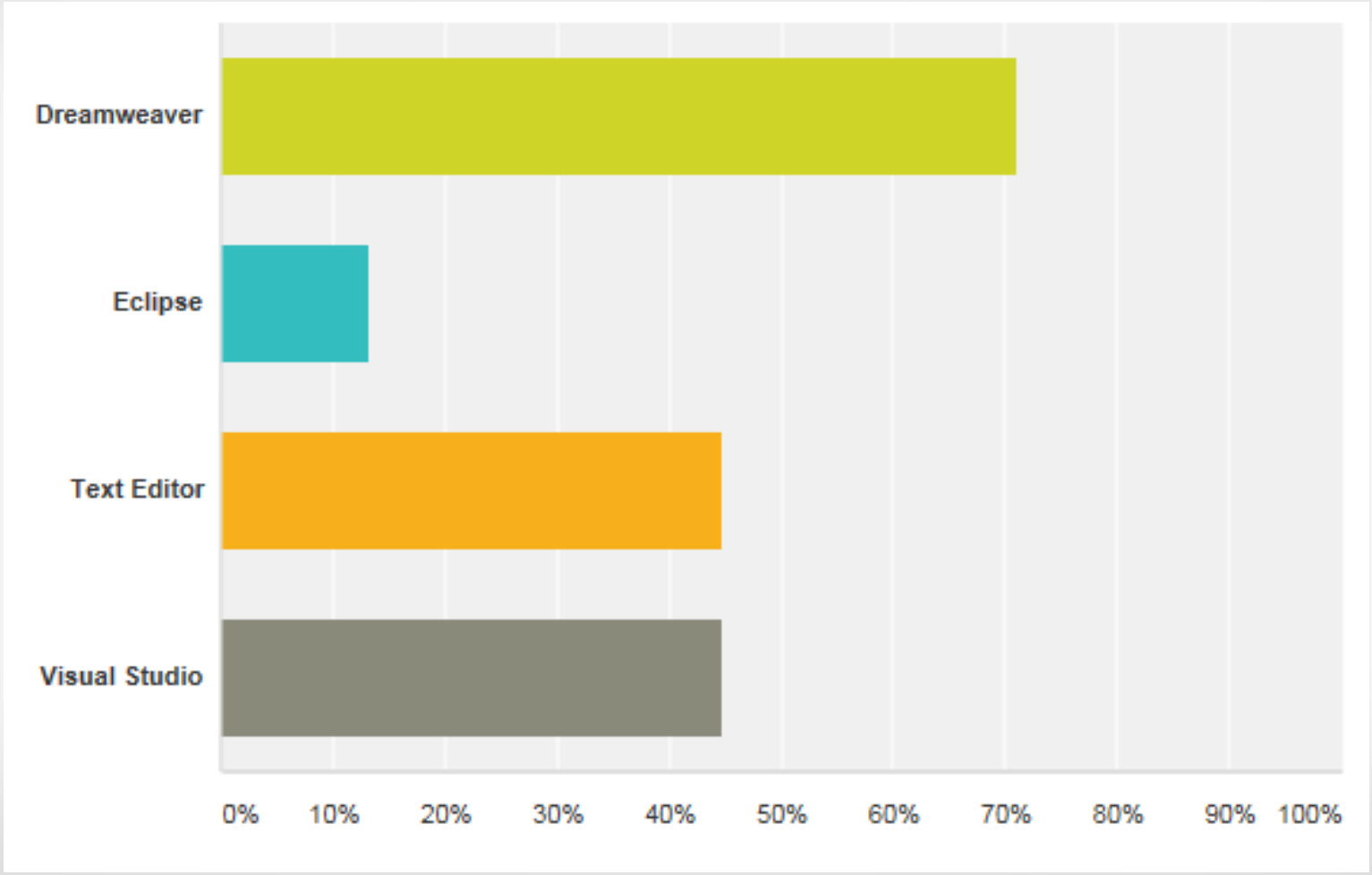
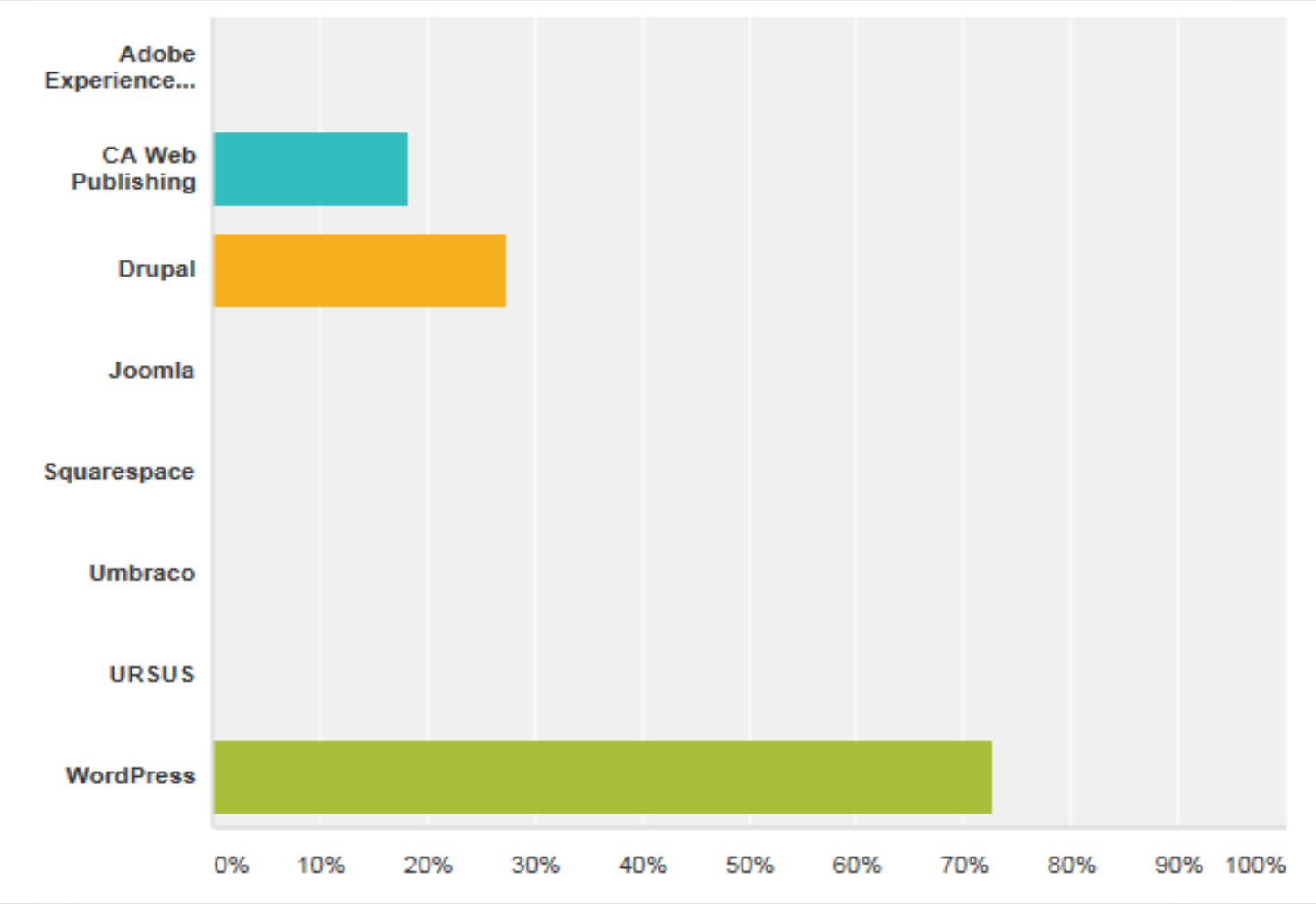


3. Which Web Authoring Tools are you currently using?

Additional responses:

- BBEdit
- Sass, Grunt
- Notepad++
- Visual Studio
- Drupal
- FrontPage
- Brackets, TextWrangler
- VI
- IBM Rational Software Architect for Websphere
- NetBeans

4. What CMS product(s) have you implemented to your current website(s)?

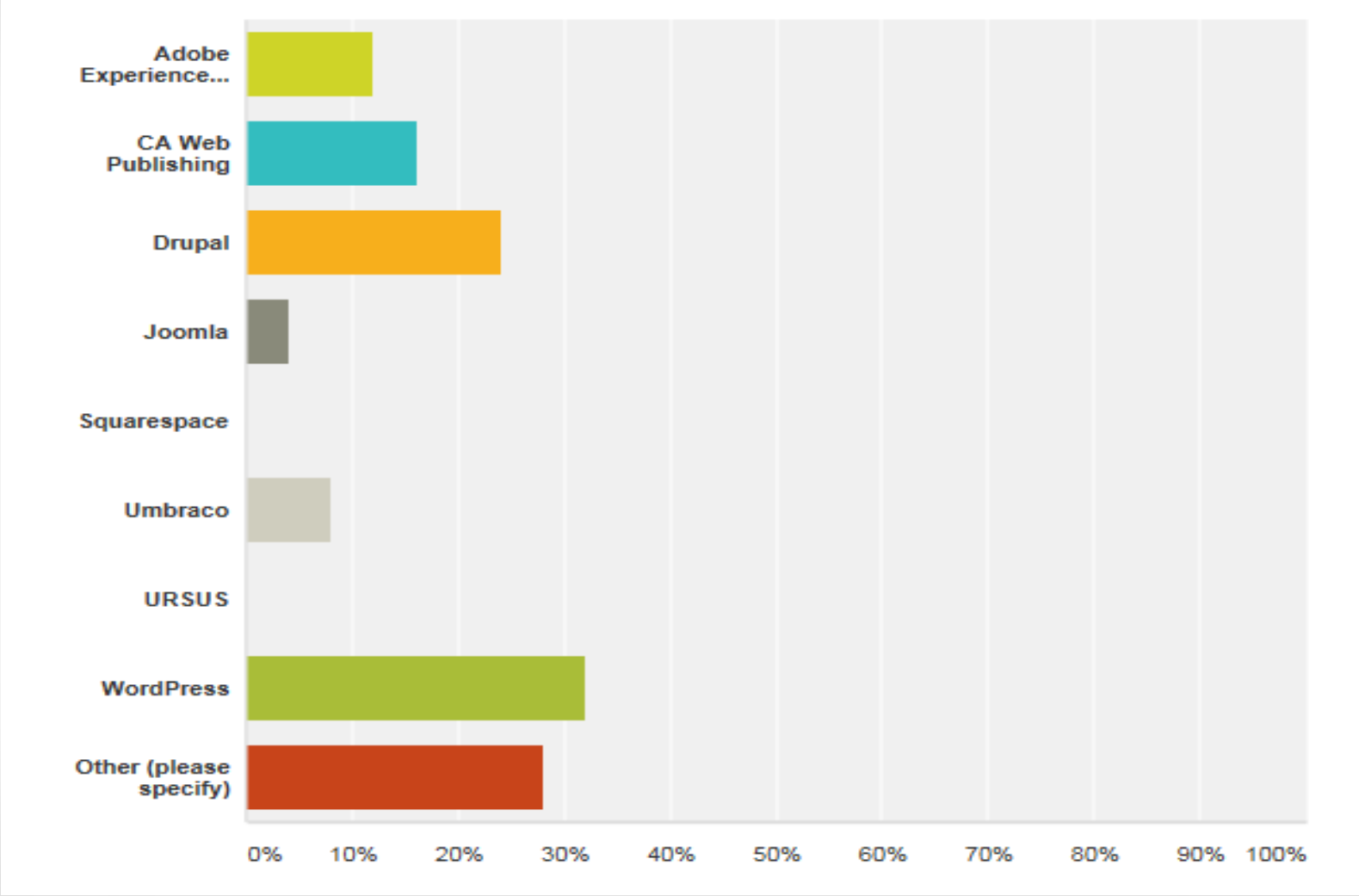


4. What CMS product(s) have you implemented to your current website(s)?

Additional responses:

- DNN
- Blogger
- Teamsite
- Sitefinity CMS
- Sharepoint
- Sharepoint & Custom
- Mojo Portal
- MYRA CMS
- IBM Websphere Portal / Web Content Mgr
- Custom Home Developed
- None

5. What CMS product(s) are you considering implementing in the near future?



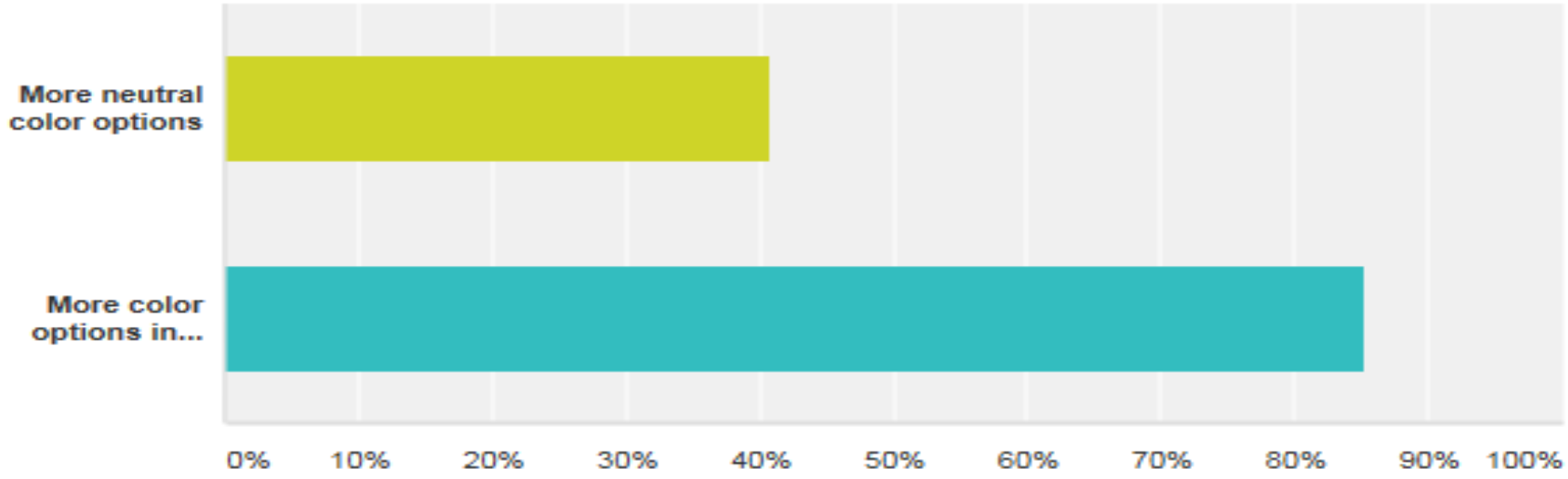
5. What CMS product(s) are you considering implementing in the near future?

Other:

- Django
- Sitefinity www migration project in progress
- Sharepoint
- SiteCore or EpiServer
- And "decoupled" CMS
- Still researching
- None

6. What additional color schemes would you be interested in seeing in the California State Template?

Answer Choices	Responses	
More neutral color options	40.74%	11
More color options in general	85.19%	23



6. What additional color schemes would you be interested in seeing in the California State Template?

Additional responses:

- Don't need additional color schemes
- Easier way to customize our own to fit our Department Branding
- Documentation of how to change color scheme
- A neutral bootstrap-ish theme
- Accessibility approved colors

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7. What would you like to see in future template releases?

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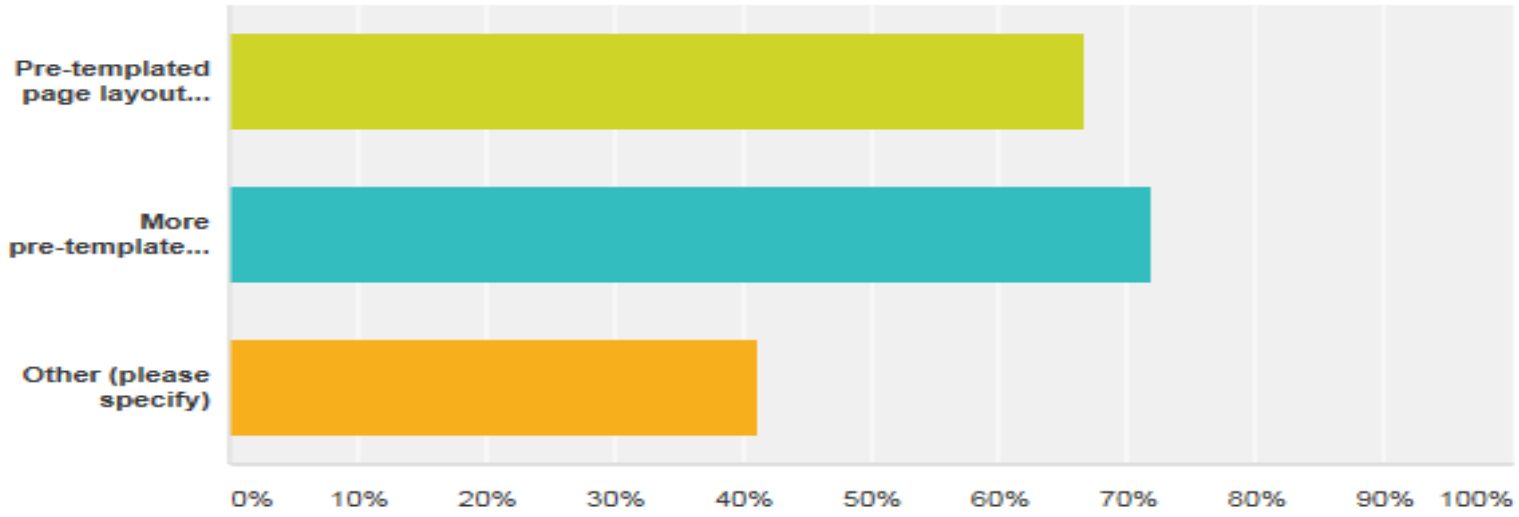
Answer Choices	Responses
Pre-templated page layout samples such as: News Page, Landing Page, Home Page, Services Page, Contact page and others	66.67% 26
More pre-templated content modules including: Service Detail and List modules, Statistical displays, Number Counters, Charts and others	71.79% 28
Other (please specify) Responses	41.03% 16
Total Respondents: 39	



7. What would you like to see in future template releases?

Other:

- The look and feel of CA.GOV
- More responsive/adaptive modules with better visual layouts
- Content dynamic modules
- Build in Schema, and separate Schema pages for AboutUs, ContactUs, and normal WebPage templates
- Remove the swoops. More content modules are a very good idea. Make the CA.gov template available over time. Semi-regular release schedule? Accordion module is not keyboard accessible

7. What would you like to see in future template releases?

Other:

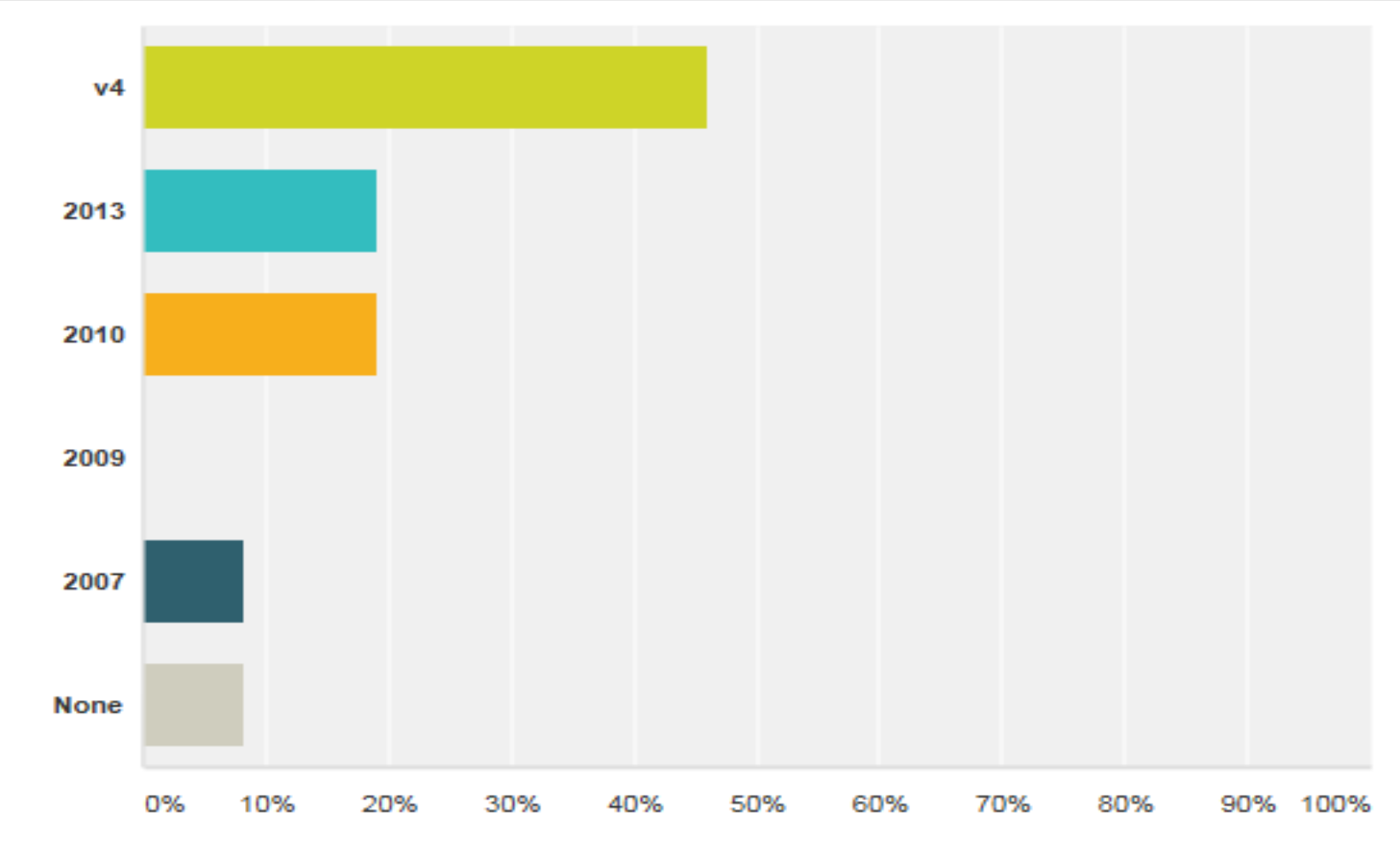
- Forms, calendars, video embeds
- Better support for adding fixed width or responsive when needed for apps/sites. More ideas about was is available. State WEBAPI
- Separate version with the source files indicating overrides and additions to the BootStrap CSS
- Be able to use native bootstrap layout classes, more plug-n-play widgets e.g., responsive account button w/ optional pop-over, digital signature features, touch id authentication feature, more swipe gestures e.g. mobile menu

7. What would you like to see in future template releases?

Other:

- Templates that can dropped into common IDE Tools like Visual Studio, Eclispe, or CMS like WordPress
- Detachable basic engine that constitutionals could place different designs on
- Framework/CMS/platform specific templates (for asp.net webforms, asp.net mvc, wordpress, java, etc)
- Some form examples and the PHP to process the forms
- Templates for Drupal, Joomla, Wordpress

8. What template version are you currently using?

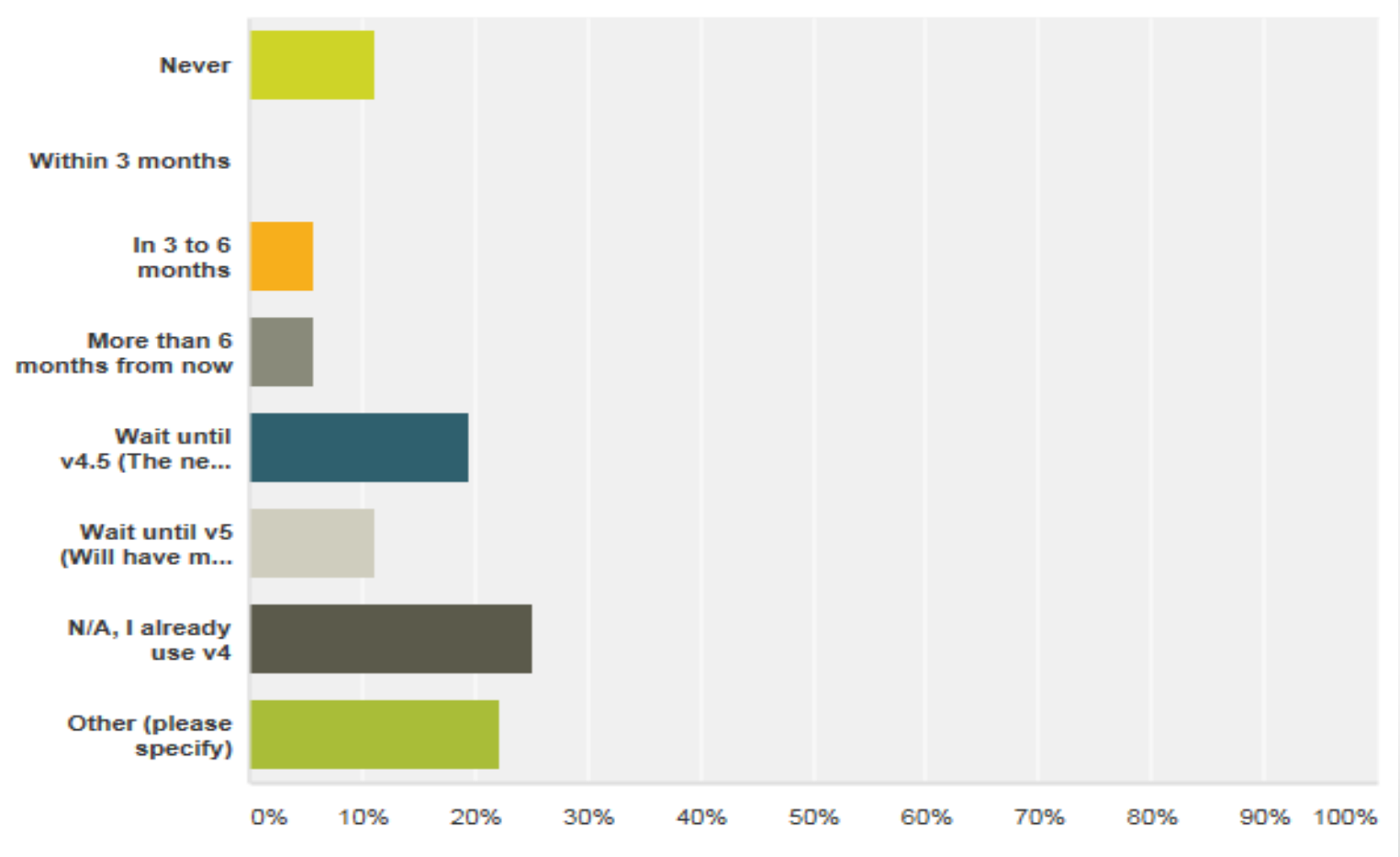


8. What template version are you currently using?

Additional responses:

- Modified version of v4
- Parts of 2013
- CA WEB Publishing
- We mange 40ish websites we have 2007, 2010, 2013 and v4
- 2007, 2010
- v4, 2013, 2010
- We use our own based on custom Bootstrap 3 template

9. If you are not currently using the California State Template v4, when do you plan to implement v4?



9. If you are not currently using the California State Template v4, when do you plan to implement v4?

Other:

- This budget year
- Hopefully starting in 3 months and for the next couple years will use v4
- Other department dependency. When they update, we will update
- Waiting for the next template that is modern. Meaning parallax and fluid panes

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CA State Template Update

Presenter:
Artem Khomishen

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State Template Update

- Best of Web
- State Template v5 Beta
- State Template v4.5 Patch
- State Template Roadmap

Best of Web Award Winners

State portal category

- 1st State of Maryland
- 2nd State of Utah
- 3rd State of Mississippi
- 4th State of Texas
- 5th State of Indiana
- 5th State of Nebraska

Finalists

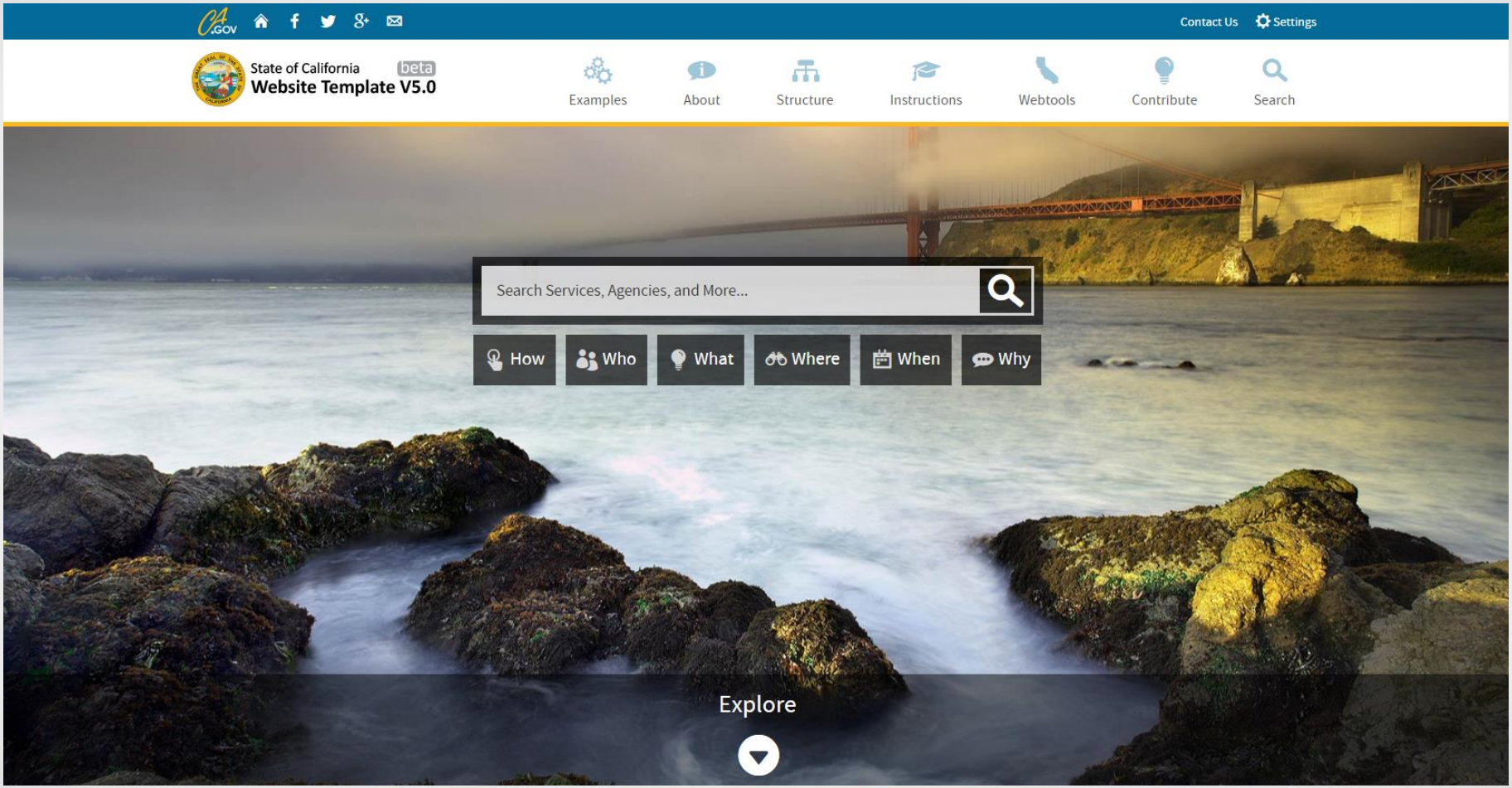
- State of California
- State of Iowa
- State of Michigan
- State of Rhode Island

CENTER FOR DIGITAL GOVERNMENT

20th ANNIVERSARY BEST OF THE WEB 2016 FINALIST

State Template v5 Beta

beta.template.webtools.ca.gov



State Template v5 Beta

New Features and Components

- Added icons to menu
- Added units to navigation
- Accordions
- Animations
- Blockquotes
- Cards
- Content Sliders
- Charts
- Media Object
- Number Counter
- Progress bars
- Sections
- Service Group
- Spacing helper
- Bottom Tabs
- Testimonials
- Text Accent Colors
- Generic Toggle
- Video Carousel
- Content Carousel (content fit)
- Content carousel (image fit)
- Social Media Slider Carousel
- Additional icons in font library

State Template v4.5 Patch

State Template Roadmap

- Gather Beta Feedback
- Release V5 of Template
- Open Source
- CDN
- State Template Framework
- Easy Template Configurations

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Accessibility Resources on Webtools

Presenter:
Michael Chen

webtools.ca.gov

Accessibility Resources on Webtools

webtools.ca.gov/web-content/web-accessibility/

- Resources for Testing
  - Mandated by the Bureau of State Audits

NEW:

- Accessible PDF Manuals for Acrobat 7, 8, 9
  - Courtesy of the Department of Rehabilitation
- Accessibility Training Video Series
  - Courtesy of the U.S. Department of Transportation

Thanks for Coming!

Contact:

Info.Eservices@state.ca.gov