



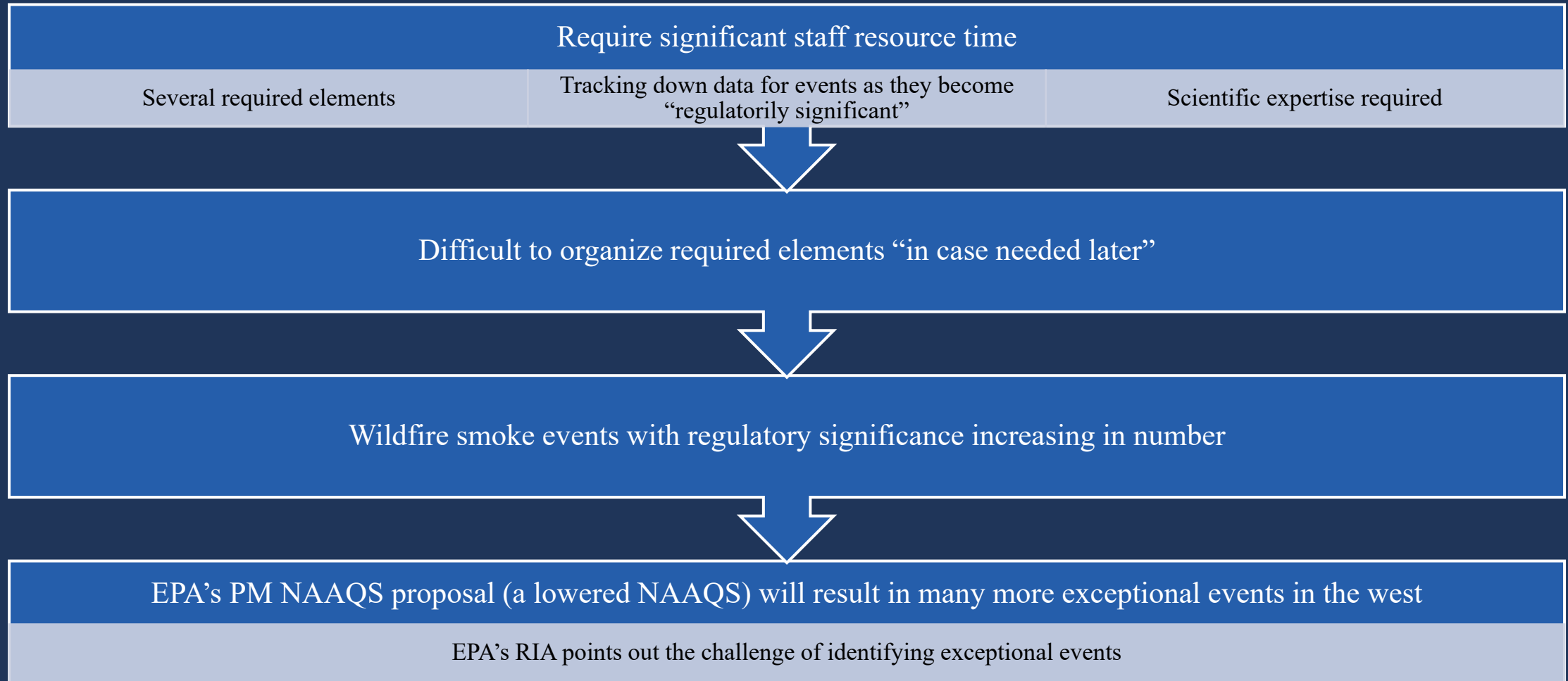
The Exceptional Events Demo Tool

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WESTAR

AAPCA Spring Business Meeting 2023

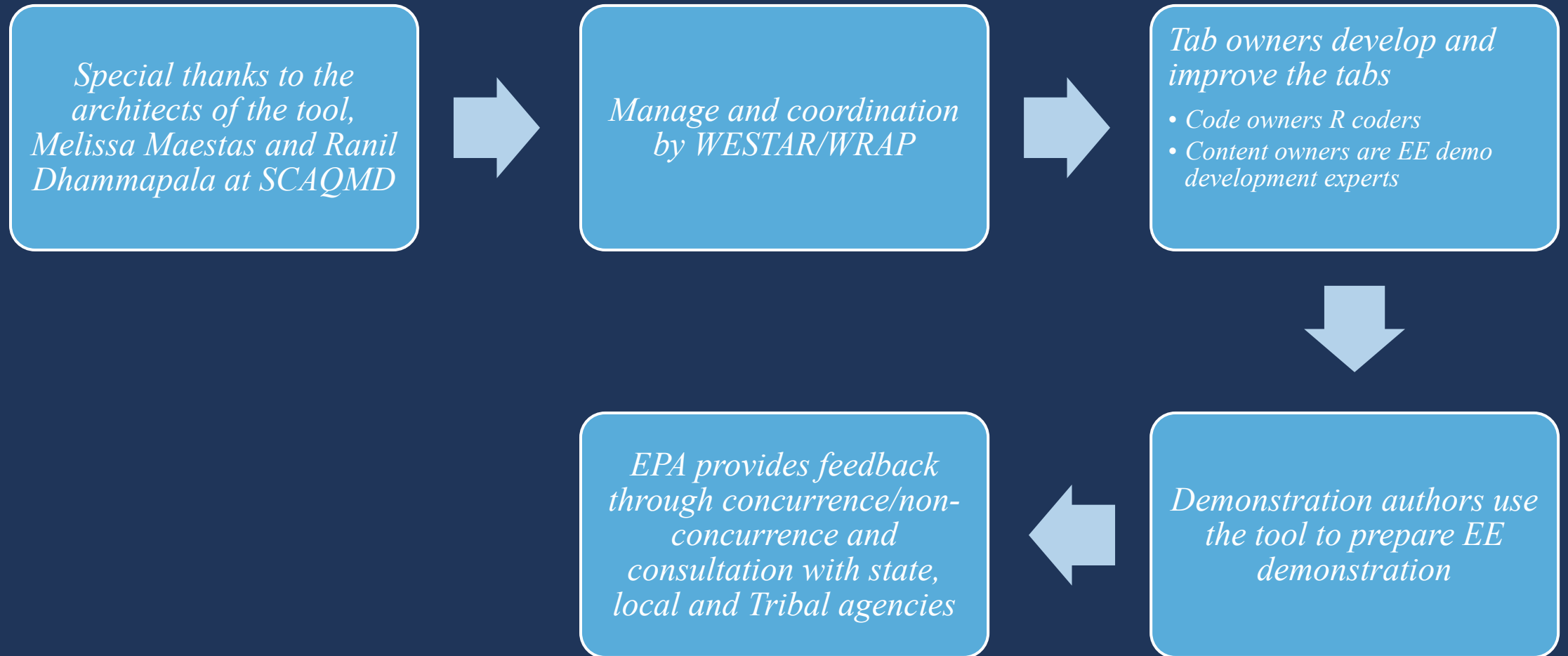
Exceptional Events Demonstrations



Goals for the EE Demo Tool

- Semi-automate needed elements of EE demonstration
- Allow use by many agencies without need for software installation
- Allow for evolution of the demonstration elements
- Low-cost
- Streamline EE demo burden for state, local, Tribal agencies
- Allow multiple staff at each agency to work on demonstration
- Coordinate with EPA –tool may create efficiencies in review and concurrence processes

Roles



Tabs for each element

Home | Microsoft 3... x | Planned - To Do x | Calendar - Mary Uhl x | Mail - Mary Uhl - O x | EE Demo Tool x | Westar_R_EE_Demo x

westar.shinyapps.io/EEDemoTool/_w_e3d677c9/_w_e88d1e26/

Exceptional Events Demonstration Development Tool

General Information **Event Description** Time Sensitive Initial Notification Non-Daily Sections

Clear Causal Compile Documents For Contributors

Update Schedule:

7 AM - 8 AM Pacific Time, Tuesday-Friday. This tool may randomly stop working during these time windows. If you would like to get emails about updates and downtimes outside the regularly scheduled windows, please email [Rhonda Payne at WESTAR](#) or [Jay Baker at WESTAR](#) . If you would like to be removed from the mailing list, please email [Rhonda Payne at WESTAR](#) or [Jay Baker at WESTAR](#) .

Purpose of Tab:

This tab is used to define several attributes for the EE Demo being prepared. The information filled in on this page will be carried to all the other tabs in this tool.

Description File

Westar_R_EE_Dem....pdf

57°F Sunny | Search | 4:56 PM 3/29/2023

Input for Event description

The screenshot shows a web browser window with the following tabs: Home | Microsoft 3, Planned - To Do, Calendar - Mary Uhl, Mail - Mary Uhl, EE Demo Tool, and Westar_R_EE_Demo. The address bar shows the URL: westar.shinyapps.io/EEDemoTool/_w_e3d677c9/_w_e88d1e26/. The form contains the following fields:

- My Agency's Name (short)**: Input field with placeholder text.
- Name of Area, e.g., 'South Coast Air Basin' or 'Coachella Valley'**: Input field with placeholder text.
- Name of Event, e.g. 'Bobcat Fire'**: Input field with placeholder text.
- Event Type**: Dropdown menu with 'PM2.5 Wildfire' selected.
- Standard of Interest**: Dropdown menu with 'PM2.5 24-hour (2006)' selected.
- See EPA NAAQS table for reference**: A blue hyperlink.
- Select Event START Date:** Input field with '2023-03-24' entered.
- Select Event ENDING date:** Input field with '2023-03-28' entered.

At the bottom of the browser window, there is a taskbar showing the weather (57°F Sunny), search bar, and various application icons. The system tray shows the time as 4:58 PM on 3/29/2023.

Choose monitor data

Home | Microsoft 3 | Planned - To Do | Calendar - Mary Uhl | Mail - Mary Uhl | EE Demo Tool | Westar_R_EE_Demo

westar.shinyapps.io/EEDemoTool/_w_e3d677c9/_w_e88d1e26/

Select by Air quality agency

Mouseover a site to see which pollutants are measured there

Click individual monitoring sites to include in this analysis

Leaflet | © OpenStreetMap contributors, CC-BY-SA

PM_{2.5}, µg/m³

Date & time, adjusted to selected timezone

60 Near Road
710 Near Road
Anaheim
Big Bear
Compton
Fontana - Arrow Highway
Los Angeles - N. Main Street
Mira Loma - Van Buren
Mission Viejo
Palm Springs - Fire Station
Pasadena
Alto Rivera
Pasadena
Riverside - Rubidoux
San Bernardino - 4th Street

Westar_R_EE_Dem....pdf

57°F Sunny

Search

4:59 PM 3/29/2023

Satisfying elements of the EE rule

The screenshot shows a web browser window with the URL `westar.shinyapps.io/EEDemoTool/_w_e3d677c9/_w_e88d1e26/`. The page title is "Exceptional Events Demonstration Development Tool". The navigation menu includes "General Information", "Event Description", "Time Sensitive", "Initial Notification", and "Non-Daily Sections". Below the menu, there are several blue buttons: "Clear Causal", "Compile Documents", "For Contributors", "Historical", "Transport", "Effect", "HYSPLIT", "Meteorology", "Satellite", "HMS", "AOD", and "ARA". The "HYSPLIT" button is highlighted with a blue box. Below the buttons, there is a text box with the placeholder text "[HYSPLIT tab probably better suited for a coder.]". The "Purpose of Tab:" section contains a link to EPA guidance: https://www.epa.gov/sites/default/files/2018-10/documents/exceptional_events_guidance_9-16-16_final.pdf. The browser's taskbar at the bottom shows the date and time as 5:01 PM on 3/29/2023, and the weather as 57°F Sunny.

HYSPLIT Report for 2020-09-13

The This Fire Name occurred during 2020-09-04 through 2020-09-17 (14 days) in the My Basin's Name within the jurisdiction of the My Agency's Name (full) (My Agency's Name (short)). The analyses use 2020-09-03 as a non-event reference day for comparison. This analysis uses AQS Data data. This document is part of a PM2.5 Wildfire exceptional events demonstration for the PM2.5 24-hour (2006) National Ambient Air Quality Standard (NAAQS). [Insert Analysis]

Example sub-section

Sub-section text goes here

Interested in contributing to the effort or using the tool?

- Coders and non-coders welcome!
- Estimated commitment of about 40 hours to development of a tab
- Modest commitment after tab development
 - Modification after author or EPA feedback
 - Train authors to use the tab
 - Troubleshooting
 - Train new code owners before you retire as a code owner
- Contact Jay Baker or Rhonda Payne at WESTAR: jbaker@westar.org,
rpayne@westar.org

Questions?

