

DFA 3W Map

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easy to build dashboards

DFA - 3W Map



DFA 3W mapper is a javascript based mapping tool that helps represent information on WHO is doing WHAT and WHERE.

This allows to present WHAT (e.g. projects, activities, schools, etc.)

onto a map at the specific WHERE (geo-coordinates) represented as markers. Additional details on WHO (responsible entity), other attributes & metadata are shown in tooltip brief or profile details.

Why use DFA 3W mapper?

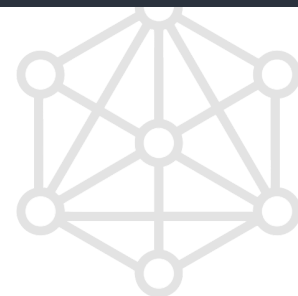
This tool has been designed and developed in a very generic and configurable manner; can be used in various programme contexts.

It offers various widgets which can be configured for functionality & UX, and also be customized for theme & UI.

Based on JavaScript it can be easily integrated with different tech stack applications.

Implementations

- ▶ Global: UN Info; WASH BAT; DRR Program; DFA Monitoring
- ▶ Regional: IGAD; ARNEC
- ▶ National: Nigeria School Mapping, Togo UNICEF Programmes
- ▶ SubNational: Manzil project (India)
- ▶ Organizational: Alma College; CSF



Features

Widgets. The 3W mapper components have been developed as modular widgets which are configured independently, but function seamlessly when integrated together.

- Map
- Tooltip
- Detail
- List
- Visualization
- Filter
- Profile

Plug n Play. One or more widgets to be shown for an adaptation can be configured and customized. For example, we can have the following combinations:

Adaptation 1: Map, Tooltip, Filters

Adaptation 2: Map, Detail, Filters, Aggregate, Profile

Adaptation 3: List, Filters, Aggregate

Adaptation 4: Visualization, Filters

The selected widgets when configured work in sync with each other. For instance the selections in the filter widget are reflected in map and aggregate widgets.

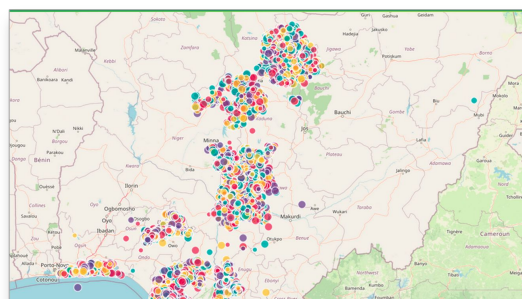
Customization. The mapper and its widgets can be customized for overall theme and UI elements based on the adaptation branding and requirement.

Key Outputs

Map

This widget is shown as the main map area where all WHATs (activities, projects, institutes, etc.) are plotted.

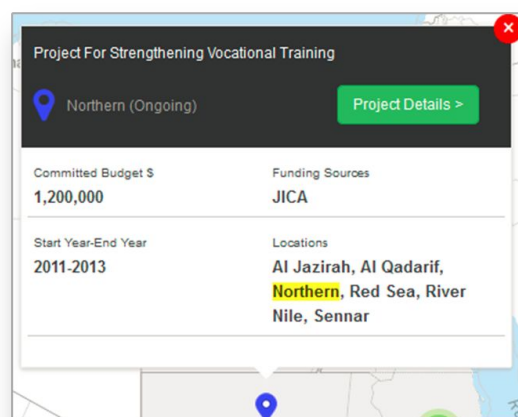
It offers settings to configure the mapping library (mapbox or leaflet), various map layers, zoom levels, type of markers (pin, circle, images), clustering and other functions.



Tooltip

This widget is shown as a popup when a user hovers or clicks on a plotted marker on the map. Each marker has its own attached tooltip.

It offers settings to configure the attributes that should be shown on the tooltip as basic information. Custom HTML can be set along with placeholders to have a customized look and feel for the popup.

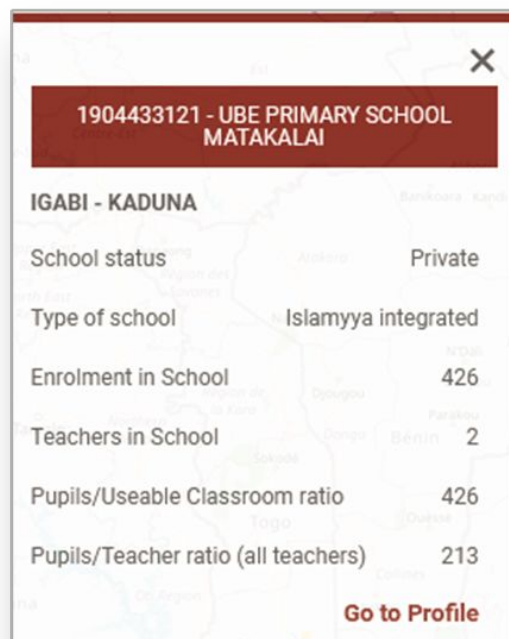


Key Outputs

Detail

This widget is shown as a section (popup, table, div section) when a user clicks on a plotted marker on the map. There is a single details section which gets populated with information based on the marker clicked.

It offers settings to configure the attributes that should be shown on the tooltip as basic information. Custom HTML can be set along with placeholders to have a customized look and feel for the popup.



List

This widget shows the data in a tabular format of rows and columns.

It offers settings to configure the attributes which should be shown as columns, column order, sorting, pagination and then data is shown accordingly in the table rows.

CSF PROJECT LIST (764)

This table contains all the CSF Projects as they have been implemented. Some projects are implemented at the national level while others are implemented

Slno.	Name of Project	Organization	Sponsor	Classification	Country
1	DPP 01 - DevInfo 6.0 Innovations	UNICEF	UNICEF HQ	Global	Global
2	DPP 12 - MDG Info 2010	UNICEF	UNICEF HQ	Global	Global
3	DPP 11 - Programme Administration [Shared with UNDOCO]	UNICEF	UNICEF HQ	Global	Global
4	UNDOCO 2010	UNDOCO	UNDOCO	Global	Global
5	EAPR-EFA Info 2010	UNICEF	UNICEF EAPRO	Regional	EAP
6	UNFPA MDG5b 2010	UNFPA	UNFPA	Global	Global
7	DPP 12 - CME Info 2010	UNICEF	UNICEF HQ	Global	Global
8	DPP 04 - Advanced Database Management Training	UNICEF	UNICEF HQ	Global	Global

Key Outputs

Filter

This widget is shown as a section with filters configured as dropdown selectors. The filters selected govern the data that is represented on the other widgets like map, aggregate, list and visualizations.

It offers settings to configure the attributes which should be shown as filters, single or multiple selection behaviour, etc.

The screenshot shows a vertical stack of filter widgets. Each widget has a label and a white input field. The labels are: Project Name, IDDRSI PIA, Status, Start Year, End Year, and Funding Sources. The Start Year and End Year widgets are side-by-side.

Profile

This widget is shown when a user clicks on the details button shown in the tooltip or the detail section. This widget opens up as a new page and shows the complete profile of the selected marker.

It offers settings to configure and customize the complete HTML page. It uses placeholder texts to be replaced with actual values while the other HTML content is shown as is.

Nigeria EMIS - School Profile

1904433121 - UBE PRIMARY SCHOOL MATAKALAI

Academic Year	2019-2020	Context	
School Info		School	LGA
Education Level	Pre-Primary	# of Schools	1 268
State Name	KADUNA	Location of school	Urban 30% Rural
LGA Name	IGABI	Availability of water source	Yes 75% w/o Water
School status	Private	Availability of electricity	Yes 75% w/o Electricity
Type of school	Islamiyya Integrated	Fence/Wall	No 95% w/o Fence/Wall

ICAD PEACE, PROSPERITY AND REGIONAL INTEGRATION

Project Details

Perennial solutions for host populations, refugees and the most

"In order to help the country better manage mixed and complex migration the project considers ways to strengthen the institutions involved in managing migration on the basis of respect for human rights. The action will be located in the city of Djibouti and in the areas crossed by mixed migratory flows, namely Tadjourah, Obock, Dikhil and Ali Sabieh. "

Country **Djibouti** Status **Completed** Start Year - End Year **2018 to 2020**

IDDRSI PIA **PIA 7: Coordination Institutional Strengthening Partnerships and Resource Mobilization**

Funding Sources **EUTF**

Technology Stack

DFA 3W Maps

FRONT END

BACK END

DATABASE

JavaScript
Libraries

Java Script

HTML

CSS

Cake

PHP 7.4

MySQL
(8.0)

MapLibre

MapBox
GL



Restful API