

Eastern Coachella Valley Environmental Justice Project: Meta-tool

Organization Name and Link	Timeframe	Summary	Tool Review	Intended Audience	Keywords	Theme Area
American Lung Association - State of the Air	2008-2010	The American Lung Association analyzes data from state air quality monitors to compile the State of the Air report. Users can select counties or zipcodes to see the area's ozone and particle pollution "grades." The report also displays findings of health-risk factors and data.	User-friendly with thorough data and detailed information. The data collected only represents self-reports of medically diagnosed conditions, which may underestimate disease prevalence.	Advocates, Grassroots	air pollution, groups at risk	Environment, Health
AIRNow	Updated daily; Real-time data	The AIRNow website provides the public with access to national air quality information. The site offers daily Air Quality Index (AQI) forecasts as well as real-time AQI conditions for over 300 cities across the US, and provides links to more detailed state and local air quality websites. This tool is developed by the U.S. EPA, NOAA, NPS, tribal, state, and local agencies.	Provides important information that can be easily accessed by the public. The data is not fully verified and validated through the quality assurance procedures monitoring organizations use to officially submit and certify data. The data are used solely for the purpose of reporting the AQI, not for supporting regulation.	Advocates, Grassroots	air pollution, UV, fire	Environment, Health
Cal EPA Air Resource Board	Includes data from	The Cal EPA Air Resource Board provides links to several interactive maps that display air quality management information for different California regions (air basins, counties, zipcodes). Fact sheets, brochures, and pamphlets also provide general background on a variety of issues.	Several valuable resources, such as environmental risk reduction plans, emission inventory and smoke management program, are all available on the webpage. Some links are no longer available or have not been updated in 3+ years.	Advocates, Grassroots, Policymakers	air quality, health risks	Environment, Health
California Department of Public Health- Agricultural Pesticide Use Web Mapping Service	1991-2010	This mapping tool provides multiple years of reporting for statewide and county maps. Some of the mapping options include: various measures of pesticide application intensity, various geographic units in which data is displayed, maps of pesticide chemicals, and maps of application sites (crops).	Provides very detailed information across space and time. Could be less complex and more user-friendly.	Advocates, Grassroots, Policymakers, Scientists	pesticide	Environment, Health
California Healthcare Atlas	Includes data from a year prior	California Healthcare Atlas is an interactive, Internet GIS mapping application that enables users to find and get information about hospitals and healthcare facilities. It offers a variety of healthcare-related maps and reports. Data comes from its large and growing Data Warehouse or its geospatial database. The application provides detailed information about hospitals, including license information, finance and utilization data, and annual patient summary reports.	Maps help to visualize healthcare information and enhance understanding of California's healthcare landscape. Vital record statistics, trauma centers, medically underserved facilities under construction and practitioner density are a few of the mapping tools options available. Some data is commercial and therefore CHA cannot legally distribute it to the public, but the webpage will inform people about where they can buy the data themselves.	Advocates, Grassroots, Policymakers	health care, groups at risk	Health, Social Vulnerability, Economic
California Safe Routes to School - Technical Assistance Resource Center	Includes data from 2012	This webpage provides information on how students currently get to/from school and the perceived/real transportation barriers families experience. Infographics about the roles of transportation, communities, and schools in promoting physical activity are also available.	Additionally provides resources on how to seek funding, pass policies and processes, and build support for a sustained program. Provides several links for each type of data, so parameters for the datasets vary, inhibiting direct comparisons. Bicycle/pedestrian collision data, California Department of Education data and community/school demographic data are all accessible on the webpage.	Advocates, Grassroots, Policymakers	transportation, k-12, community	Health, Economic
Centers for Disease Control and Prevention- Youth Risk Behavior Surveillance System (YRBSS)	1991-2011	The Youth Risk Behavior Surveillance System (YRBSS) monitors six types of health-risk behaviors that contribute to the leading causes of death and disability among youth and adults. Data is categorized by health topics, as well as race/ethnicity, and school grade. Fact sheets and surveys are also available.	Included tribal regions in national school-based survey. Data is currently unavailable for California.	Advocates, Grassroots, Policymakers	youth, health & behaviors	Health, Social Vulnerability
Coachella Valley Regional Water Management Group	Includes data from	The purpose of the CVRWGM is to coordinate water resource management efforts. The maps on the CVRWGM website display the communities served, the major water systems utilized, the existing water resources, environmental conservation areas, and the stakeholders.	Site-specific for the Coachella Valley. Website is in partnership with several local organizations. Maps are not interactive; i.e., cannot input different variables to see different layers of map. Map topics include: sanitation service areas, stormwater districts, tribal lands, conservation, irrigation districts, median household income, population distribution	Advocates, Policymakers	water management	Environment, Social Vulnerability, Housing, Land Use
East Coachella Valley-IVAN	2010-Present	IVAN is the first community-based environmental reporting site in California specifically looking at the Coachella Valley. This tool aims to provide the community with a means of protecting their environment and well-being. Residents contribute to this tool by reporting environmental damage and hazards via the mapping tool.	Mapping tool provides several different filtering/layering options, such as dumping, dust, air quality, pesticides, fire, animal facilities, roads, geothermal plants, power, vandalism, and water contamination. Data is only of the last 2 years so users can't do a longitudinal study of the area.	Advocates, Grassroots, Policymakers	air quality, pesticide, fire, waste, water pollution	Environment, Social Vulnerability
Energy Justice Network	2010-Present	The EJN maps all existing, proposed, closed and defeated dirty energy and waste facilities in the United States. It is currently building a network of community groups to fight the facilities and the corporations behind them.	Offers several different options for map layers. Includes corporations connected to dirty energy and waste facilities, so it only includes a fraction of all corporations.	Cannot determine yet - site is in progress	energy and waste facilities (e.g. nuclear power facilities)	Environment
Environmental Protection Agency- Cleanups in My Community	Includes data from 2012, generally updated on a monthly basis	This website provides an interactive mapping tool to map and list areas where pollution is being or has been cleaned up throughout the United States. Filtering controls allow users to create a variety of maps, depending on properties, facilities, removals, etc.	Mapping tool provides several different filtering/layering options. Only certain types of cleanups are included, so the tool doesn't provide exhaustive data.	Advocates, Grassroots, Policymakers	groups at risk, water pollution, cleanup sites	Environment, Land Use
Environmental Protection Agency- EJView	Timeframes vary, generally from 2010-Present	The EJView mapping tool allows users to generate maps based on chosen geographic areas, including address, zipcode, city, county, watershed, township, or a pair of coordinates. EJView includes data from multiple factors that may affect public and environmental health within a community or region, including demographic, health, environmental, and facility-level data.	Very useful for identifying potential environmental justice areas; there are several layering options for the mapping tool.	Advocates, Grassroots, Policymakers	air quality, waste, water quality, health	Environment, Health
Environmental Protection Agency - Enforcement and Compliance History Online (ECHO)	Includes data from 2012	ECHO provides integrated searches of EPA and state data for 800,000+ regulated facilities. ECHO integrates inspection, violation, and enforcement data for certain environmental acts and laws. The mapping application can search for facilities, review state by state analytics and trends, and review contextual reports and information.	Very thorough data available in both map and table form. Maps are not interactive.	Advocates, Policymakers, Scientists	water quality, waste	Environment, Health
Environmental Protection Agency- Envirofacts	Timeframes vary for each dataset, generally from 2010-Present	Envirofacts develops web services (maps, multistystem searches, widgets, etc.) to facilitate the sharing of its data. The website allows access to a variety of databases to provide information about environmental activities that may affect air, water, and land anywhere in the United States.	Provides access to several EPA databases. Provides several links for each database. This site could be considered a "one-stop-shop" for several environmental justice layers. Although the data is very detailed, the Envirofacts map is not as expected. The map is very small.	Advocates, Grassroots, Policymakers	air quality, water quality, waste, land, toxics, radiation, facility, compliance	Environment, Land Use
Environmental Protection Agency - Greenhouse Gas Data	Includes data from 2012	This facility-level dataset provides a "bottom-up" accounting of the major sources of GHG emissions. (Facilities that emit 25,000+ metric tons of GHGs are required to annually report their GHG emissions to the EPA.) Over half of total U.S. greenhouse gas emissions are accounted for in this facility-level dataset, including nearly complete coverage of major emitting sectors such as power plants and refineries.	Mapping tool offers several options and is user-friendly. The data is very recent, but this dataset does not reflect total U.S. GHG emissions.	Advocates, Grassroots, Policymakers, Scientists	air quality, facility	Environment, Land Use
Environmental Protection Agency- RCRA	Includes data from present-day	RCRAInfo is a national program management and inventory system looking at hazardous waste handlers. The search tool is used to determine identification and location data for specific hazardous waste handlers, and to find a wide range of information on their activities.	Several filter/search options, no interactive maps.	Advocates, Grassroots, Policymakers	waste, facility	Environment
Environmental Protection Agency- Toxic Release Inventory (TRI)	Data collection timeframes vary but generally go up to present	This search tool allows retrieval of data from the TRI database. The data includes facility information and chemical reports; the reports also include information about the quantitative, relative estimate of risk posed by the facilities.	Easy retrieval of past 20+ years of data from TRI database. No interactive maps.	Advocates, Grassroots, Policymakers	Toxics, waste, facility	Environment
Environmental Protection Agency -Toxic Release Inventor. Explorer	2008-2010	This tool provides access to TRI data to help communities identify facilities, chemical disposal, or other release patterns. Combined with hazard and exposure information, the TRI Explorer can be used for risk identification.	Covers an important subset of toxic chemicals managed at U.S. facilities, but doesn't cover all chemicals or facilities. Also, data does not reflect chemical exposure to the public.	Advocates, Grassroots, Policymakers, Scientists	toxics, waste	Environment

Environmental Protection Agency - UV Index	Updated daily	The UV Index predicts the ultraviolet radiation levels on a 1-11+ scale, helping people determine appropriate sun-protective behaviors. The webpage also provides fact sheets to explain the UV Index and steps to take to minimize the risks from overexposure to the sun's rays. Information is available on a National Weather Service map, updated daily.	Map shows four days of forecasted UV radiation; the UV Index includes UV Alerts for unusually high levels of UV radiation. Not all U.S. zipcodes are in database .	Advocates, Grassroots	UV	Environment, Health
Healthy City	Timeframes vary, includes data from present-day	Healthy City provides a multitude of public datasets and mapping tools for community development. Offering a wide range of resources and services, HC partners work directly with organizations to develop research strategies and web tools.	Mapping tool includes comparative function. Data is very easily accessible and user-friendly. Website includes step-by-step guides and tutorials. Data topics include: Service and Points, Demographic, Economic, Health & Safety, and housing.	Advocates, Grassroots, Policymakers	health, education, community, housing	Environment, Social Vulnerability, Health, Housing, Civic Engagement, Economic
Indigenous Farmworker Study	2007-2009	The Indigenous Farmworker Study (IFS) was undertaken between 2007 and 2009 in conjunction with the Indigenous Program of California Rural Legal Assistance (CRLA). The California Endowment funded the project with the goal of improving knowledge about this newest group of immigrants to enter the bottom rung of the agricultural labor force in California. The IFS has sought to describe the size, distribution and language characteristics of this population. The study also provides information on the living and working conditions and the most pressing needs of the indigenous farmworker immigrants. The IFS builds on similar work done in the early 1990s by the California Institute for Rural Studies, also in collaboration with CRLA.	The website includes an interactive map showing locations of indigenous Mexican farm workers and their home villages. It includes videos, a full report on various aspects of these populations and links to outside sources of information.	Policy makers, agencies, advocates and community leaders.	health, education, community, housing, groups at risk	Environment, Social Vulnerability, Health, Housing, Civic Engagement, Economic
Indigenous Mexicans in California Agriculture	2007-2009	This interactive map provides information (languages, demography, etc.) about indigenous Mexican migrants who work in California's agricultural regions. The mapping tool also displays the migration patterns of indigenous Mexicans in certain Mexican regions to certain Californian regions.	Provides information and insight about a difficult-to-track population. The webpage also includes: population estimates for indigenous Mexicans, number of languages, major languages, sending states (in Mexico), hometowns, main crops worked. Mapping tool is not interactive.	Advocates, Grassroots, Policymakers	groups at risk, community	Social Vulnerability
Measure of America	2008-2009/ 2010	The Measure of America project takes several indicators in the areas of health, education, and income to create a Human Development Index (HDI), a composite measure of wellbeing and opportunity. Data is taken from the the Census, the National Center for Disease Control and Prevention, the National Center for Health Statistics, and the CDC WONDER database. The website provides: maps that can be divided by Congressional Districts; charts comparing all indices; comparison "stacks" that compare the HDI of different demographic sub-groups; and a city explorer that compares the HDI of several metropolitan cities throughout the U.S.	Provides other resources, such as reports, briefs, and interactive online tools. The HDI encompasses three goals (a long and healthy life, access to knowledge, a decent standard of living), which may be considered too "narrow" when compared to the human development approach (which includes economic, social, environmental, cultural, and other factors).	Advocates, Grassroots, Policymakers	health, education, income	Health, Economic
National Atlas	Time frames vary according to data parameters	The National Atlas Map Maker allows users to make their own maps using multiple map layers generated from several data sets. Maps can be made on a national, state, or region scale (Congressional districts available for some data sets). Printable maps, wall maps, dynamic maps, and articles are available on the website.	Very user-friendly; users can choose from hundreds of layers to assemble, view, and create their own maps.	Advocates, Grassroots, Policymakers	groups at risk, economy, health, transportation, water, land	Environment, Economic, Civic Engagement, Health, Social Vulnerability, Land Use
Pesticide Research Institute	Includes data from	Pesticide Research Institute develops tools that allow beekeepers to see what bee-toxic pesticides are being applied each month. PRI utilizes pesticide use data to help beekeepers discover where bee-toxic pesticides are used and avoid potential pesticide poisoning.	Users can choose custom-generated layers to create own maps. Some tools (Product Assessment Tool, Toxicology Database) are still in development.	Advocates, Grassroots, Policymakers, Scientists	pesticides, toxics	Environment
Scorecard: The Pollution Information Site	Data collected in	Scorecard combines data from the U.S. EPA Toxics Release Inventory (TRI) with information on the potential health hazards of toxic chemicals. Scorecard provides detailed reports on chemicals being released from any of 20,000 industrial facilities, and summary reports for any area in the country. Scorecard ranks the top polluters in the U.S., and it also ranks states and counties by pollutant releases.	Shows users which chemical releases in their area might be of potential health concern, based on available data, and helps them to identify the highest priorities for pollution prevention. Reports account only for pollution from industrial facilities that are reported to TRI in 2002 (the most recent year available) and include only the 650 chemicals covered by TRI. Scorecard cannot inform users whether the amount of pollution in their own area is safe or unsafe.	Advocates, Grassroots, Policymakers, Scientists	health, water quality, air quality, land, toxics, community	Environment, Health
South Coast Air Quality Management District	Data collected dai	This map displays the daily air quality forecast for Orange County and the urban portions of Los Angeles, Riverside and San Bernardino counties. The Air Quality Index (AQI) color codes areas from "Good" to "Hazardous." The AQI shows how clean or polluted the air is, and what associated health effects might be a concern for the area.	Provides public air quality information to assist preparation for current and forthcoming air quality conditions. Factors affecting air quality can change over the course of a day, which may lead to differences between predictions and actual levels.	Advocates, Grassroots, Policymakers	air quality	Environment, Health
Southern California Association of Governments - Transportation Data Management System	1999-2009	This map allows users to compare different transportation modes in Southern California and the mobility, accessibility, reliability, safety, and productivity of each mode. Data is displayed in table, graph, and map forms.	The mapping tool provides several filter types in the area of transportation and is interactive. Data is displayed in graphs, not through an interactive map.	Advocates, Grassroots, Policymakers	transportation, air quality	Land Use
The California Endowment - Eastern Coachella Valley	Data collection timeframes vary but generally range from 2010-present	The mapping tool maps the location of schools, hospitals, health care facilities, and non-profits in the Eastern Coachella Valley. It also maps several demographic characteristics, like educational attainment and the poverty level. Data is taken from the U.S. Census.	User-friendly; provides FAQ's and help videos for assistance. Some FAQ's and help videos are still in development.	Advocates, Grassroots, Policymakers	communities at risk, income, education, health, community, K-12	Social Vulnerability, Health, Civic Engagement, Economic
United States Census 2010- Interactive Population Map	Data collected in	This mapping tool provides state-by-state demographic profiles for each of the 50 states, the District of Columbia, and Puerto Rico. These profiles can be divided by several geographic levels, such as by national view or by census block.	Provides very thorough demographic data sets. Also provides interactive maps for different layers. Map comparison is limited because maps can only be viewed individually.	Policymakers	community, housing, transportation, income, economic, education, health	Social Vulnerability, Housing
United States Census Bureau - American FactFinder	Data collected in 2000 and 2010	The American FactFinder is a searchable index of national data gathered by the US Census Bureau through multiple surveys. Information can be divided into several specific subcategories, including geographic regions and ethnic groups.	Provides multitude of datasets/factsheets with user-friendly search tool. Does not provide (interactive) maps.	Policymakers	community, housing, transportation, income, economic, education, health	Housing, Economic
United States Census Bureau - Business Dynamics Statistics	Data collected fro	The BDS annual data series provides measures of economic activity on an establishment level. Its longitudinal source data permits tracking establishments and firms over time. Along with datasets, the BDS also provides statistical briefs, papers, and presentations.	Provides very thorough data on employment, job expansions and contractions, number of establishments, and establishment openings and closings. Also provides research reports using the available data. However, it is not very user-friendly, and maps are not available.	Policymakers, Scientists	income, economic, population	Economic
United States Census Bureau - Censtats Databases	Data collection varies by database	The Censtats Databases provide applications that display statistics by monthly and annual county-level data.	Provides very thorough economic-related data, such as building permits and occupation data; some data is downloadable. Not very user-friendly; datasets are complex.	Policymakers, Scientists	economic, groups at risk, population	Economic
United States Census Bureau - State and County QuickFacts	Data collection timeframes vary but generally go up to present	QuickFacts tables are summary profiles showing frequently requested data items from various Census Bureau programs. Profiles are available for the nation, states, counties, and places.	Provides very thorough demographic statistics on areas as small as a city. Interactive maps are not provided.	Advocates, Grassroots, Policymakers	population, housing, economic	Social Vulnerability, Housing, Economic
United States Census Bureau - The DataWeb	Data collection timeframes vary	The DataFerret tool allows users to explore data, create spreadsheet tables, graphs, maps, pdf documents, and download from demographic datasets that are published to TheDataWeb. Data is collected from various surveys and censuses. Scale (countrywide, statewide, etc.) varies according to each survey.	Provides links to several detailed surveys and datasets on a variety of topics. This tool allows users the flexibility to look at the data in many forms as well. However, tool is not web-based and must be downloaded onto a hard drive.	Advocates, Grassroots, Policymakers	community, housing, behavior, economic, population, health, health care, income, groups at risk	Environment, Social Vulnerability, Health, Housing, Economic

United States Geological Survey - Water Watch	Real-time data	This website provides maps for several nation-wide water conditions based on real-time data. Data can be divided by state or water-resource region and includes a legend for different data classifications. Different map types are available, including google maps, hydrolic unit code (HUC) maps, and plot graphs.	Data is very thorough. Provides different maps for each type of watershed (flood, runoff, etc). Map comparison is limited because maps can only viewed individually.	Advocates, Policymakers, Scientists	water, groups at risk	Environment
University of California, Davis: Center for Regional Change - California Civic Engagement Project	Data collection timeframes vary	The CCEP is a research initiative that collects and distributes civic engagement data. Data analysis is focused on identifying disparities in participation. The project aims to support research that explores measures of civic engagement as experienced by disadvantaged or disconnected groups.	Provides maps, surveys, and other data sources related to civic engagement in underrepresented population groups. Data is very thorough. The data is limited to certain groups, inhibiting group comparison.	Advocates, Grassroots, Policymakers	population, groups at risk	Civic Engagement
University of California, Davis: Center for Regional Change - Mapping Youth Voices in the Capital Region	Includes data from	This map displays youth-produced media, including photos and documentaries in the nine-county capital region of Northern California. Maps display data, separated by multiple filters, like initiatives and issue areas.	Provides an interactive map with a wide variety of filters. One of the few tools that looks at youth engagement through youth media. Data is limited to the greater Sacramento region.	Advocates, Grassroots	youth, community, health,	Housing, Social Vulnerability, Health, Civic Engagement