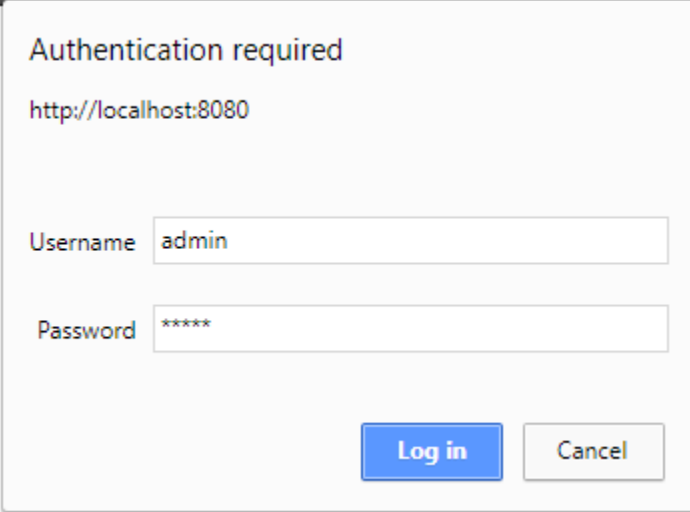


User Manual

Logging in

A screenshot of a web browser's authentication dialog box. The dialog has a light gray background and a thin black border. At the top, it says "Authentication required" in a bold, black font. Below that, the URL "http://localhost:8080" is displayed in a smaller, black font. There are two input fields: "Username" with the text "admin" and "Password" with masked characters "*****". At the bottom right, there are two buttons: a blue "Log in" button and a gray "Cancel" button.

Authentication required

http://localhost:8080

Username

Password

1. Acquire valid credentials from the site's owner.
2. Enter site url.
3. As shown in figure above, an input dialog box will appear.
4. Enter username and password in respective fields.
5. Click on 'Log in' button.

Adding new patient case

EPIDEMIC ANALYZER

PATIENT CASE ▾

SIR MODELLING

USER MANAUL

LOGOUT

WELCOME!

In the milieu of a humanitarian crisis (epidemic), responders including public health personnels require epidemic data and its analysis. Such information is paramount for decision makers whose discernments and actions have direct impact on the control of the outbreak, consequently saving lives.

AIMS

- To build a system that can capture epidemic data on ground zero and provide analytics for provincial and national level decision makers.
- To contribute to the understanding of public health practitioners and humanitarian agencies about an epidemic situation through the introduction of information technologies.

OBJECTIVES

- To provide a robust data entry form that captures a broad range of health data dynamics.
- To provide a robust data entry form that captures a broad range of health data dynamics.
- To provide a graphical representation of data for better comprehension & decision making.
- To provide a graphical representation of data for better comprehension & decision making.
- To learn about the impact of information technology in international humanitarian interventions.
- To apply the principles from academic learnings to the real world scenarios and garner experience in research and development.

EPIDEMIC ANALYZER - A WEB-BASED EPIDEMIC DATA MANAGEMENT CUM ANALYSIS SYSTEM THAT AIDS HUMANITARIAN ACTORS IN INFORMATION ACQUISITION & ANALYSIS.

GET STARTED

- [Read the user manual](#)
- [Add new epidemic case](#)
- [View/Edit existing cases](#)
- [Project cases on map](#)

EPIDEMIC ANALYZER PATIENT CASE ▾ SIR MODE

ADD NEW PATIENT CASE

First name

Middle name

Last name

District

VDC

WARD NO

GPS LATITUDE

GPS LONGITUDE

Male ▾

Susceptible ▾

ADD CASE

1. Enter site url and log in using valid credentials.
2. On the navigation bare, click on 'Patient Case'.
3. On the dropdown menu, click on 'Add new Patient Case'.
4. Enter patient case data on respective fields.
5. Click on 'Add Case' button.

Displaying all patient cases

EPIDEMIC ANALYZER PATIENT CASE ▾ SIR MODELLING USER MANUAL LOGOUT

WELCOME!

In the milieu of a humanitarian crisis (in the face of an epidemic), responders including public health personnels require epidemic data and its analysis. Such information is paramount for decision makers whose discernments and actions have direct

ADD NEW PATIENT CASE
DISPLAY ALL PATIENT CASES
PROJECT CASES ON MAP

EPIDEMIC ANALYZER - A WEB-BASED EPIDEMIC DATA

EPIDEMIC ANALYZER PATIENT CASE ▾ SIR MODELLING USER MANUAL LOGOUT

PATIENT CASE ENTRIES

SHOW 10 ▾ ENTRIES

Search...

PATIENT ID	CURRENT INFECTION STATUS	FIRST NAME	MIDDLE NAME	LAST NAME	DATE OF BIRTH	GENDER	DISTRICT	VDC	WARD NO	LAT.	LONG.	SELECT	UPDATE
13	RECOVERED	BIKISHA	S	SHRESTHA	1990-10-24	FEMALE	KATHMANDU	KAPAN	2	-27.840282	85.1207474	<input type="checkbox"/>	UPDATE
14	SUSCEPTIBLE	PAUL	C	COPAN	1978-10-12	MALE	DOLAKHA	JIRU	2	-27.900750	85.184465	<input type="checkbox"/>	UPDATE
15	SUSCEPTIBLE	PAHIN	MORELAND	ROLAND	1958-10-03	MALE	ASD	ASD	1	-27.879917	85.280449	<input type="checkbox"/>	UPDATE
16	INFECTED	RADHA	KRISHNAN	ROSHAN	1974-10-03	FEMALE	ASD	ASDASD	3	-27.908337	85.283283	<input type="checkbox"/>	UPDATE
17	RECOVERED	MANJUSHREE	THAPA	SHRESTHA	1966-11-01	FEMALE	[KILK]	III	4			<input type="checkbox"/>	UPDATE
18	SUSCEPTIBLE	PAUL	C	COPAN	2000-10-04	MALE	KATHMANDU	DHAPASI	9			<input type="checkbox"/>	UPDATE
19	INFECTED	JOHN	L	LENNOX	1980-10-04	MALE	DHADING	SALYANTAR	6			<input type="checkbox"/>	UPDATE
20	INFECTED	MAIRY	JO	SHARP	1990-10-13	FEMALE	BHAKTAPUR	LOKANTHALI	8			<input type="checkbox"/>	UPDATE
21	INFECTED	FRANK	T	TUREK	1993-10-11	MALE	KABHREPALANCHOK	WALTING	3	-27.82803	85.174469	<input type="checkbox"/>	UPDATE
22	INFECTED	JAMES	PORTER	MORELAND	1979-10-15	MALE	LALITPUR	SANKHU	1	-27.82803	85.174469	<input type="checkbox"/>	UPDATE

SHOWING 1 TO 10 OF 14 ENTRIES
PREVIOUSNEXT

1. Enter site url and log in using valid credentials.
2. On the navigation bar, click on 'Patient Case'.
3. On the dropdown menu, click on 'Display all patient cases'.

Searching and sorting results – patient cases

EPIDEMIC ANALYZER PATIENT CASE SIR MODELLING USER MANUAL LOGOUT

PATIENT CASE ENTRIES

SHOW 10 ENTRIES

PATIENT ID	CURRENT INFECTION STATUS	FIRST NAME	MIDDLE NAME	LAST NAME	DATE OF BIRTH	GENDER	DISTRICT	VDC	WARD NO	LAT.	LONG.	SELECT	
14	SUSCEPTIBLE	PAUL	C	COPAN	1978-10-12	MALE	DOLAKHA	JIRI	2	-33.810751	151.194168	<input type="checkbox"/>	<input type="button" value="UPDATE"/>
15	SUSCEPTIBLE	PAUL	C	COPAN	2000-10-04	MALE	KATHMANDU	DHAPASI	9			<input type="checkbox"/>	<input type="button" value="UPDATE"/>

SHOWING 1 TO 2 OF 2 ENTRIES (FILTERED FROM 14 TOTAL ENTRIES)

[PREVIOUS](#) [NEXT](#)

1. Enter site url and log in using valid credentials.
2. On the navigation bar, click on 'Patient Case'.
3. On the dropdown menu, click on 'Display all patient cases'.
4. On the top-right area, in search box, input search string.
5. Click on any field's header on the results, to sort by that field.

Deleting patient case

WARD NO	LAT.	LONG.	SELECT	
2	-33.840282	151.207474	<input checked="" type="checkbox"/>	<input type="button" value="UPDATE"/>
2	-33.910751	151.194168	<input type="checkbox"/>	<input type="button" value="UPDATE"/>

SHOWING 1 TO 10 OF 14 ENTRIES

[PREVIOUS](#) [NEXT](#)

localhost:8080 says:

Confirm deletion?

1. Enter site url and log in using valid credentials.
2. On the navigation bar, click on 'Patient Case'.
3. On the dropdown menu, click on 'Display all patient cases'.
4. Tick on the check box of record that you want to delete.
5. Batch delete is supported. Click on multiple record's checkboxes.
6. On bottom left area, click on 'Delete Case' button.
7. Confirm deletion by clicking on 'OK' button as a confirmation dialog box appears.

Updating patient case

WARD NO	LAT.	LONG.	SELECT	
2	-33.840282	151.207474	<input checked="" type="checkbox"/>	<input type="button" value="UPDATE"/>
2	-33.910751	151.194168	<input type="checkbox"/>	<input type="button" value="UPDATE"/>

EPIDEMIC ANALYZER

PATIENT CASE ▾

SIR MOI

UPDATE PATIENT CASE

GPS LATITUDE

GPS LONGITUDE

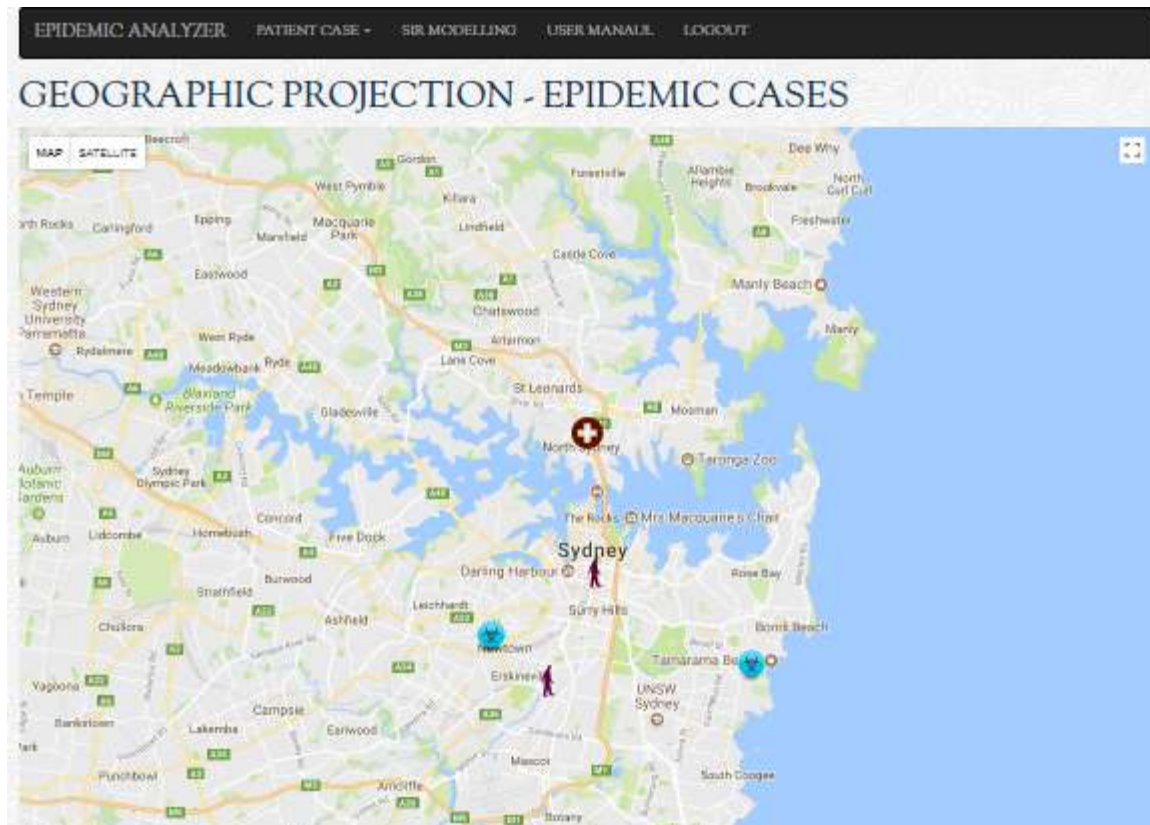
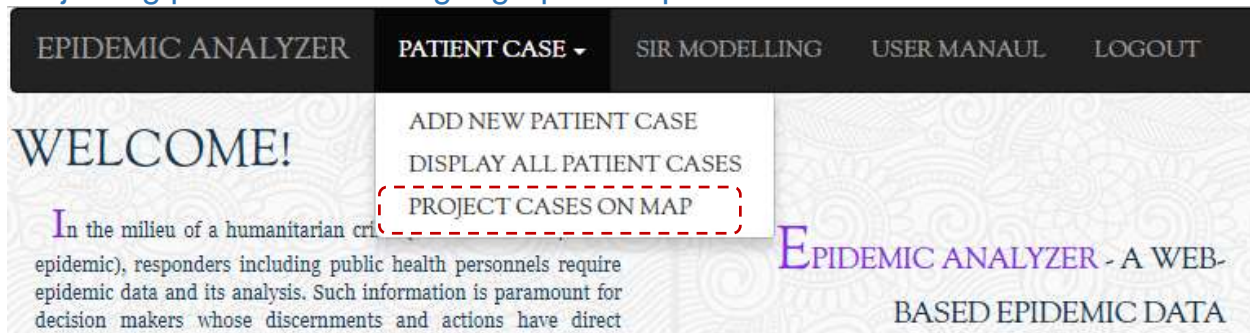
Male ▾

Infected ▾

1. Enter site url and log in using valid credentials.
2. On the navigation bar, click on 'Patient Case'.

3. On the dropdown menu, click on 'Display all patient cases'.
4. Tick on the check box of record that you want to update.
5. On the update page, modify existing data in respective fields.
6. Click on 'update case' button.

Projecting patient cases on geographic map

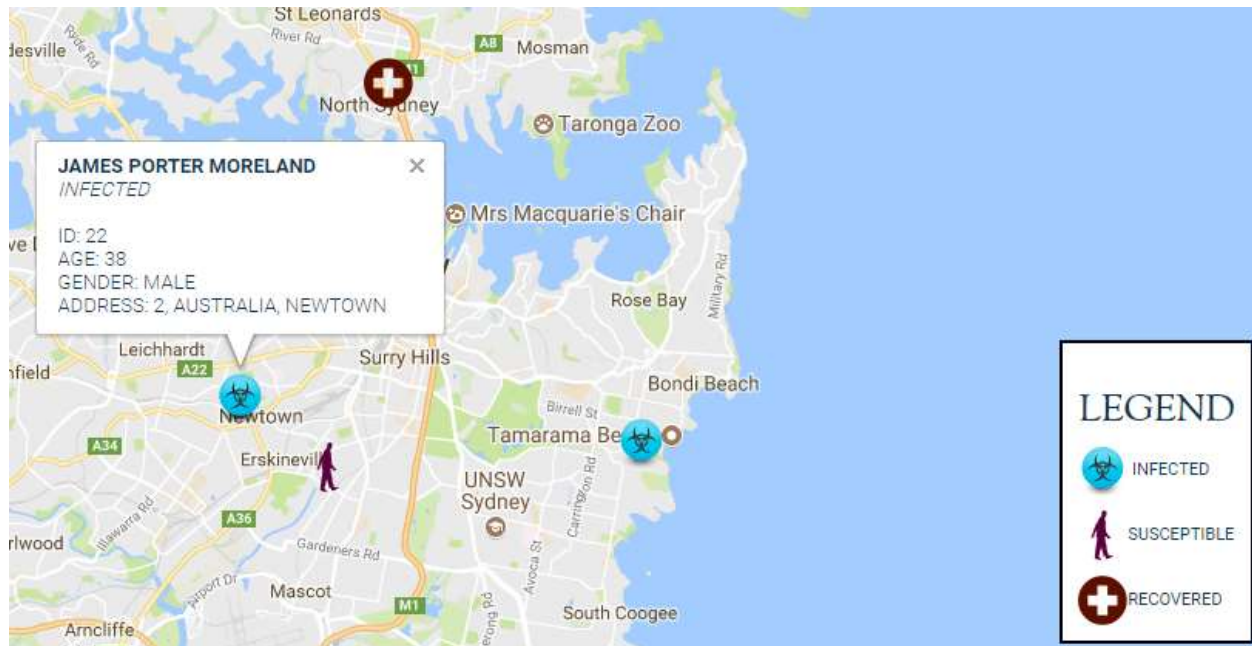


1. Enter site url and log in using valid credentials.
2. On the navigation bar, click on 'Patient Case'.
3. On the dropdown menu, click on 'Project cases on map'.

Interacting with map

1. Enter site url and log in using valid credentials.
2. On the navigation bar, click on 'Patient Case'.
3. On the dropdown menu, click on 'Project cases on map'.

Information window

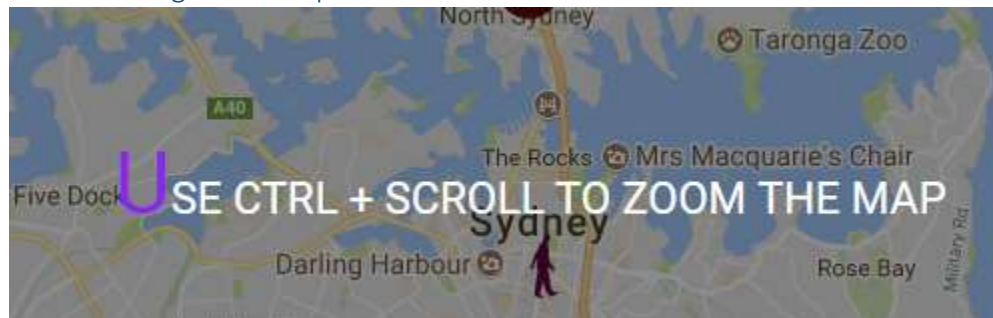


To view information on patient case on the map itself, click on the respective marker.

Legend

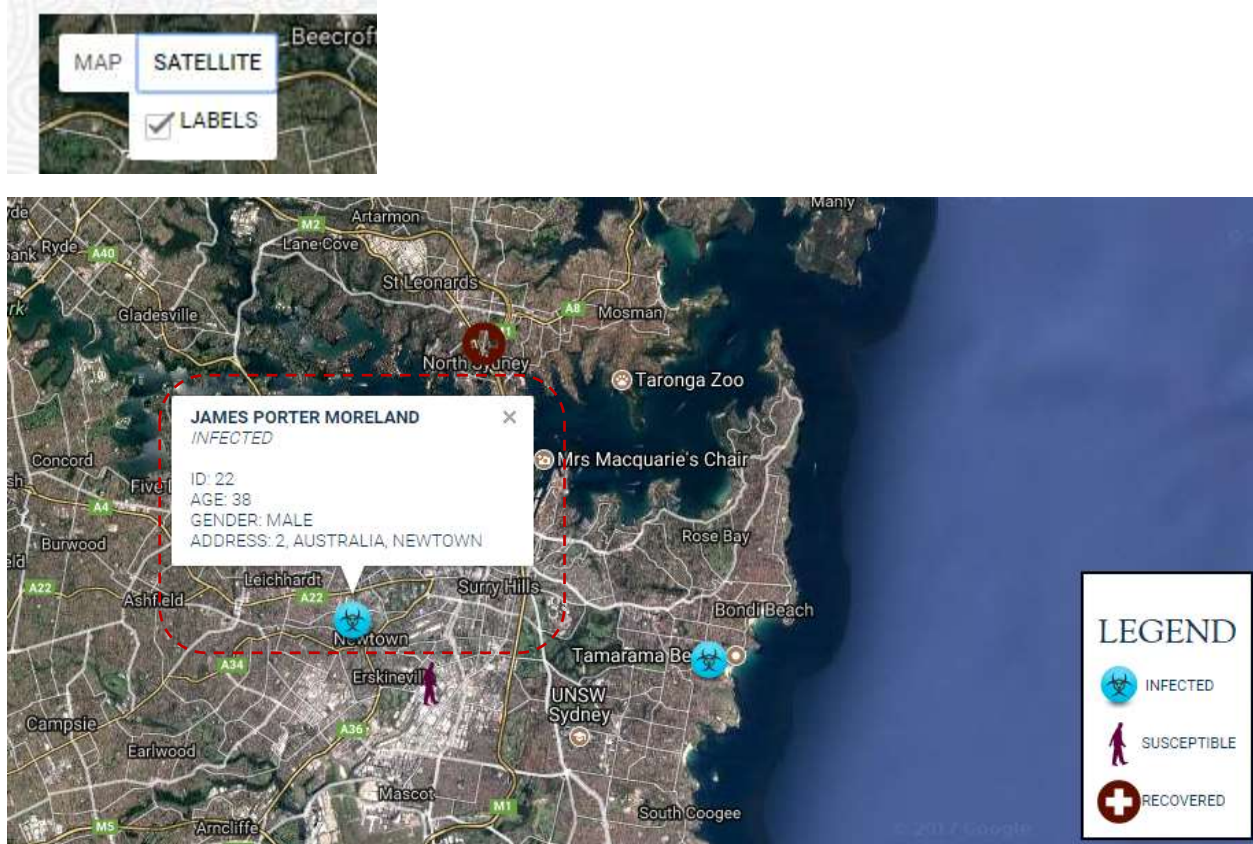
View legend at bottom right area, for marker legend.

Zoom & navigate on map



Perform Ctrl+mouse-scroll to zoom in and out and drag pointer on map to navigate.

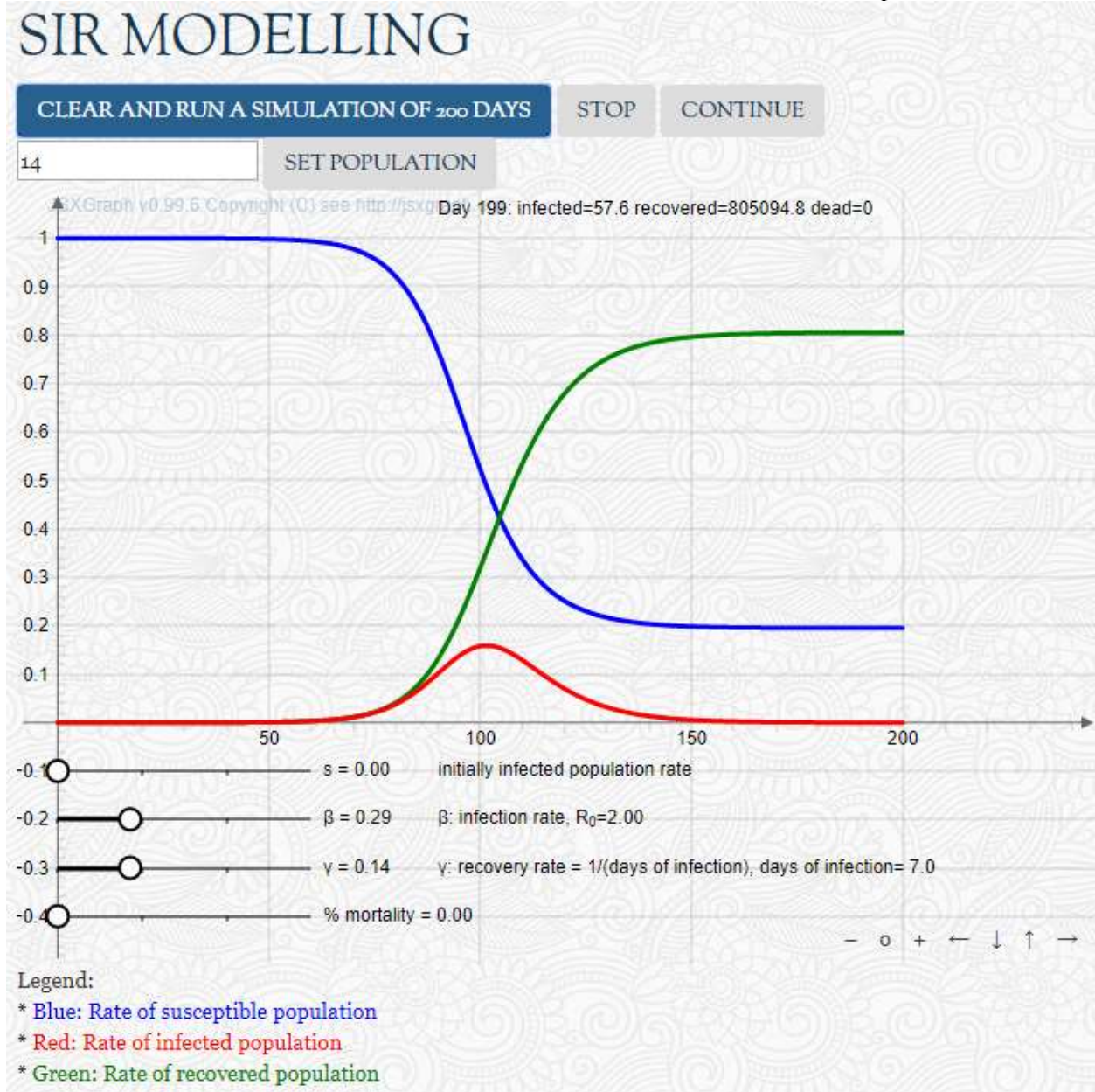
Satellite view



On the top left area of map, click on 'Satellite' to change terrain view.

SIR Modelling





1. Enter site url and log in using valid credentials.
2. On the navigation bar, click on 'SIR Modelling'.
3. Click on 'Set Population'.
4. Click on 'Clear and run a simulation of 200 days' to run the simulation on model.
5. Change parameters by using the respective slider-controls provided below the graph.