

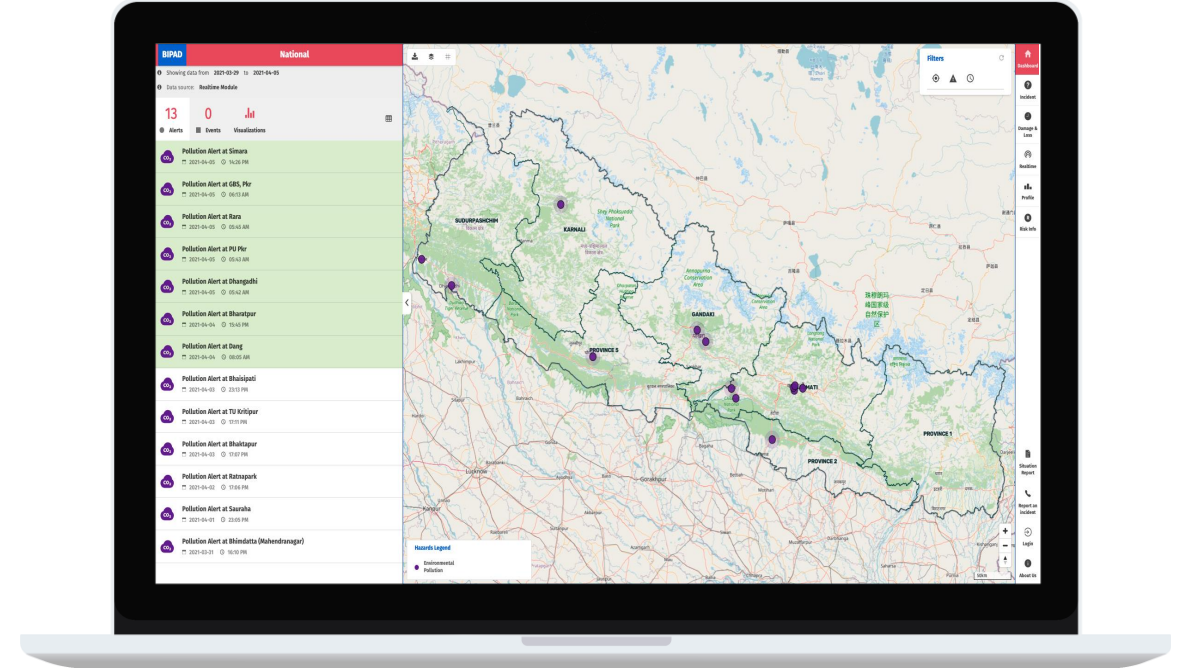


विपद् जोखिम न्यूनीकरण तथा व्यवस्थापन प्रणाली सञ्चालन सम्बन्धी प्रशिक्षण तालिम

राष्ट्रिय विपद् जोखिम न्यूनीकरण तथा व्यवस्थापन प्राधिकरण
सिंहदरबार, काठमाडौं

प्रस्तुतीका मुख्य विषयहरू

- विपद् पोर्टलका मोड्युलहरू
 - ड्यासबोर्ड (Dashboard)
 - घटना (Incident)
 - क्षति र नोकसान (Damage & Loss)
 - वास्तविक समय (Real Time)
 - प्रोफाइल (Profile)
 - डाटा संग्रह (Data Archive)
 - जोखिम जानकारी (Risk Info)
 - भिज-रिस्क (Visualizing Risk)
 - आई.बि.एफ (Impact Based Forecasting)



विपद् पोर्टलको उपयोगिता

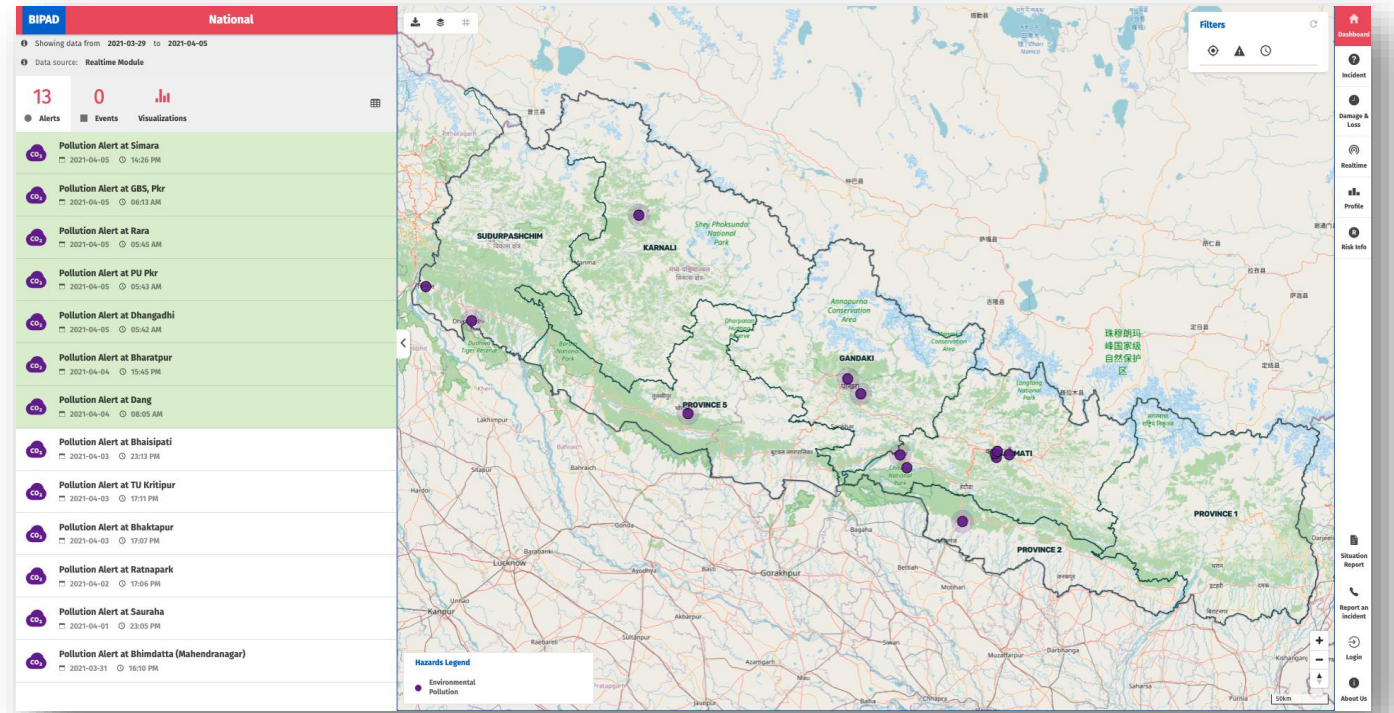
प्रयोगकर्ताहरूले कार्यक्षेत्र अनुसार आफैले उपयोग गर्न मिल्ने

- राष्ट्रिय विपद् जोखिम न्यूनिकरण तथा व्यवस्थापन प्राधिकरण - विपद् पूर्वतयारीका लागि
- सर्वसाधारण नागरिक - विपद् घटना सुचना आदान प्रदानका लागि
- प्रादेशिक विपद् व्यवस्थापन समितिका सदस्य - विपद्को **RECOVERY** का लागि
- **DRR Researcher at NGO/INGO - evidence based response planning**
- शहरी योजनाकार - विपद् समावेश शहरी योजना तर्जुमा का लागि
- गृह मन्त्रालय - **For Disaster Governance**
- स्थानीय तह - **For Disaster Governance**, जोखिम सुचित बस्ती बसाउनको लागि
- रेडक्रस - विपद् प्रतिकार्य को लागि

विपद् पोर्टलका मोड्युलहरू

ड्यासबोर्ड (Dashboard)

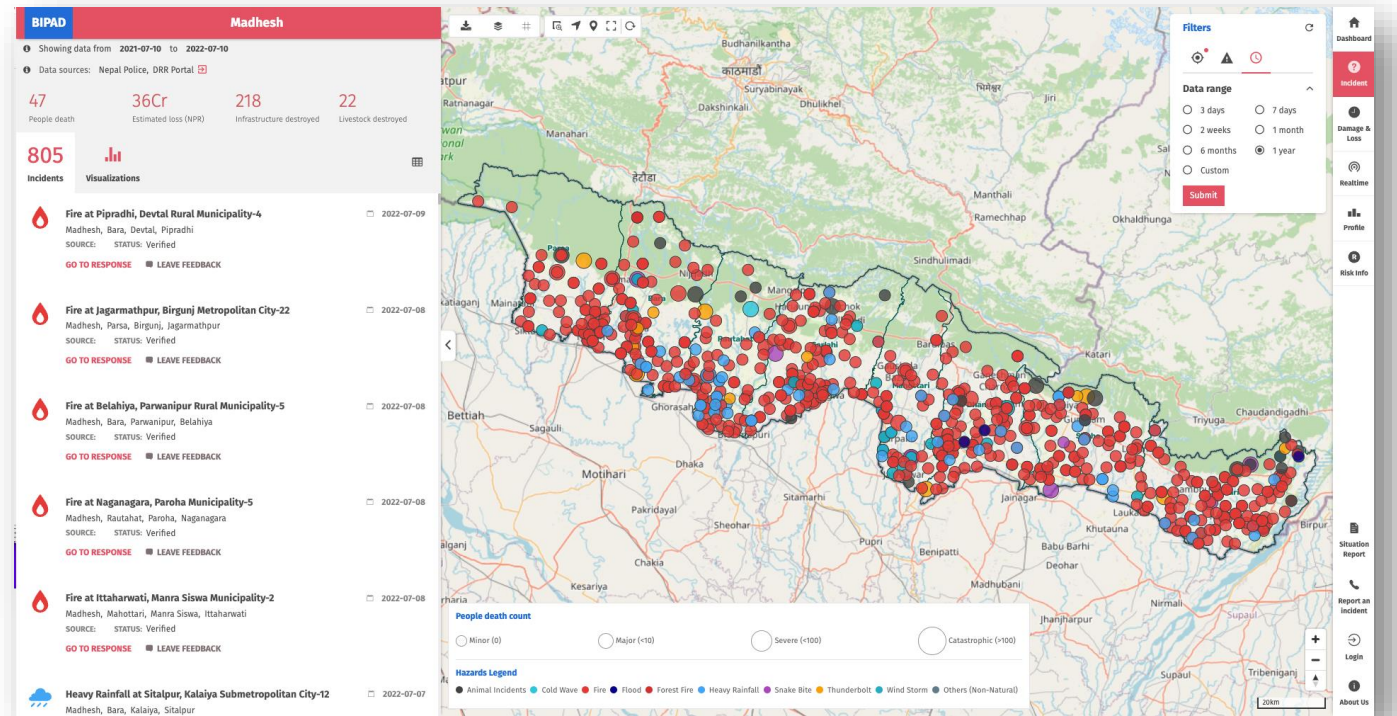
- ड्यासबोर्डमा आफ्नो स्थान भरिको विभिन्न प्रकोपका घटनाहरू जस्तै बाढी, भूकम्प, आगलागी र वायु प्रदूषणको सतर्कता (अलर्ट) अवलोकन गर्ने र त्यसबाट हुने सम्भावित खतराको सूचना, तथा भइरहेको प्रकोपबाट हुनसक्ने वा भइरहेको घटनाको जानकारीहरू हेर्न सकिन्छ। जस्तै भारी वर्षा भइरहेको सूचना वा भारी वर्षाको कारण गएको बाढीको जानकारी यसमा हेर्न सकिन्छ।
- यस मोड्युलमा भएको जानकारीले सम्भावित विपद् घटनाको प्रतिकार्य गर्न सहयोग गर्दछ।



विपद् पोर्टलका मोड्युलहरू

घटना (Incident)

- यसमा प्राकृतिक र गैर प्राकृतिक प्रकोप सृजित रेपोर्ट गरिएका घटनाहरूको विवरण वा जानकारीहरू हुन्छन् र प्रदेश / जिल्ला / नगरपालिकाले रेपोर्ट गरिएका घटनाहरू हेरी आफ्नो तहबाट प्रमाणीकरण गर्न सक्दछ ।
- यस मोड्युलमा भएको जानकारीले घटना पछिको प्रतिकार्य, पुनर्निर्माण र पूनर्लाभ गर्न सहयोग पुऱ्याउनुका साथै घटनाको कारण भएको क्षति र नोक्सानीको विश्लेषण गर्न पनि सहयोग गर्दछ ।



विपद् पोर्टलका मोड्युलहरू

प्रतिकार्य पृष्ठ (Response Page)

- यस पृष्ठबाट घटना क्षेत्र वरिपरि भएका विपद्को समयमा उपयुक्त हुने सामग्रीको भण्डारण (stockpile) को खोजी गर्न सकिन्छ।

BIPAD Dhanusa

Fire at Chhreshwornath Municipality-5
2021-12-29

VERIFIED: Yes
SOURCE: other
REPORTED ON: 2021-12-31 10:54

Wards
● Chhreshwornath - 5, Dhanusa, Madhesh

Loss
PEOPLE DEAD: 1
LIVESTOCK DESTROYED: 0
INFRASTRUCTURES DESTROYED: 0
ESTIMATED LOSS (NRS.): 0
DESCRIPTION: Not provided

Resources
Health facilities 48 / 48
PRIMARY HEALTH CARE CENTER: 4
HEALTH POST: 38
HOSPITAL: 2
PATHOLOGY: 2
MEDICAL/PHARMACY: 1
OTHER: 1

Mahendranagar PHC
650 m N/A
GET DIRECTION

Naktajhih HP
2.672 Km N/A
GET DIRECTION

Shantipur SHP
2.977 Km N/A
GET DIRECTION

Digambarpur SHP
3.122 Km N/A
GET DIRECTION

Hariharpur SHP
3.812 Km N/A
GET DIRECTION

Ramadaiyabhwadi SHP
4.368 Km N/A
GET DIRECTION

The map shows a street grid with a red dot indicating the fire location. Landmarks include 'Dhanushwor Rameshwar Singh Kurbanwala Academy', 'Pragat Shiksha School', 'Ruhit International School', 'Gyan Mandir Secondary Boarding School', and 'Chhreshwornath Centre Secondary School'. A river labeled 'H06' flows through the area. The interface includes a sidebar with navigation options like Dashboard, Incident, Damage & Loss, Realtime, Profile, Risk Info, Situation Report, Report an Incident, Login, and About Us.

विपद् पोर्टलका मोड्युलहरू

प्रथम कार्य (Task 1)

- ड्यासबोर्ड र घटना मोड्युल (Dashboard and Incident Module)

1. गत एक वर्षमा तपाईंको प्रदेश / जिल्ला / नगरपालिकामा प्रत्येक खतराको लागि सतर्कताहरूको संख्या पत्ता लगाउनुहोस्

Find the number of alerts for each hazard in your municipality in the past one year

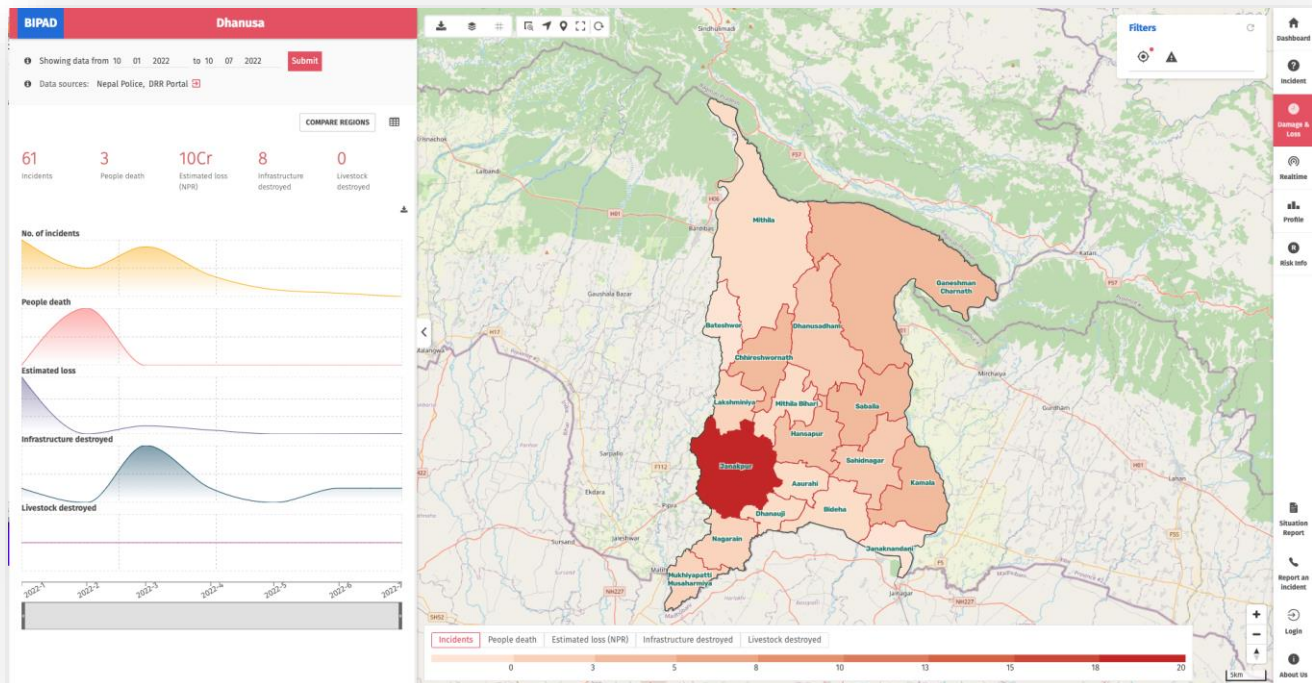
2. तपाईंको प्रदेश / जिल्ला / नगरपालिकामा विगत १० वर्षमा भएका घटनाहरूको सङ्ख्या र घटनाका कारण मृत्यु, बेपत्ता र घाइते हुनेहरूको सङ्ख्या पत्ता लगाउनुहोस्

Find the number of incidents in the past 10 years in your municipality and the number of deaths, missing, and injured due to the incident

विपद् पोर्टलका मोड्युलहरू

क्षति र नोकसान (Damage & Loss)

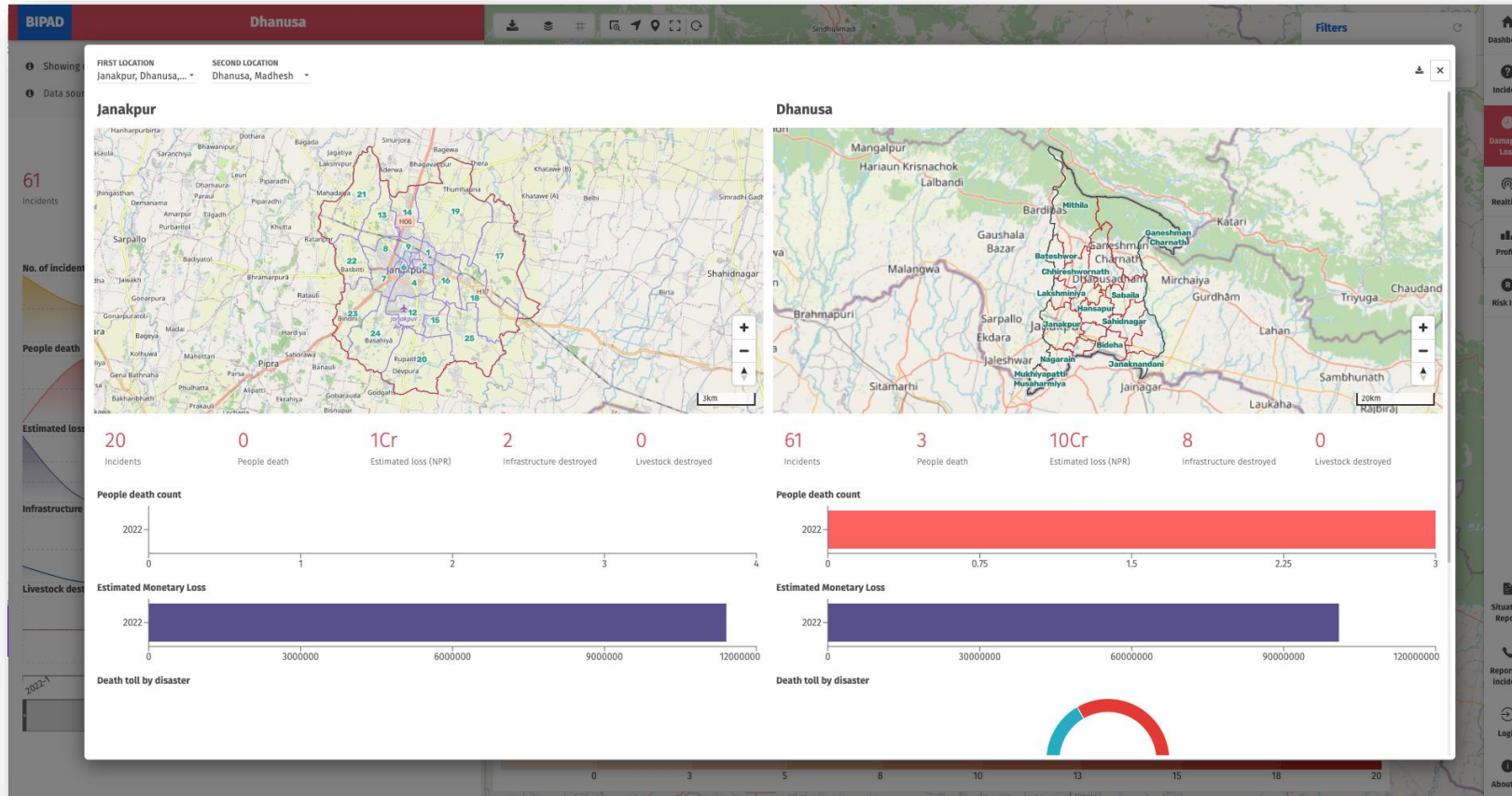
- क्षति र नोकसानको डिजिटल डेटाबेस हो। प्रदेश / जिल्ला / नगरपालिकाले विगतको प्रकोपको क्षति र नोकसान जानकारी तुलना गर्न र विश्लेषण गर्न सक्दछ।
- यस मोड्युलमा भएको जानकारीले घटना पछिको पुनर्निर्माण र पूनर्लाभ का साथै विपद् पछिको आवश्यकता पहिचानको विश्लेषण गर्न पनि सहयोग गर्दछ।



विपद् पोर्टलका मोड्युलहरू

क्षति र नोकसान (Damage & Loss)

- यस प्रणालीमा दुई क्षेत्रलाई तुलना पनि गर्न मिल्दछ।



विपद् पोर्टलका मोड्युलहरू

दोश्रो कार्य (Task 2)

- घटना तथा क्षति र नोकसान मोड्युल (Incident and Damage and Loss Module)

1. तपाईंको नगरपालिकामा विगत १० वर्षमा सबैभन्दा बढी विपद् घटना, मृत्यु र आर्थिक क्षति भएको वडा कुन हो पत्ता लगाउनुहोस्

Find which ward has the highest number of disaster incidents, deaths and economic loss in your municipality in the past 10 years

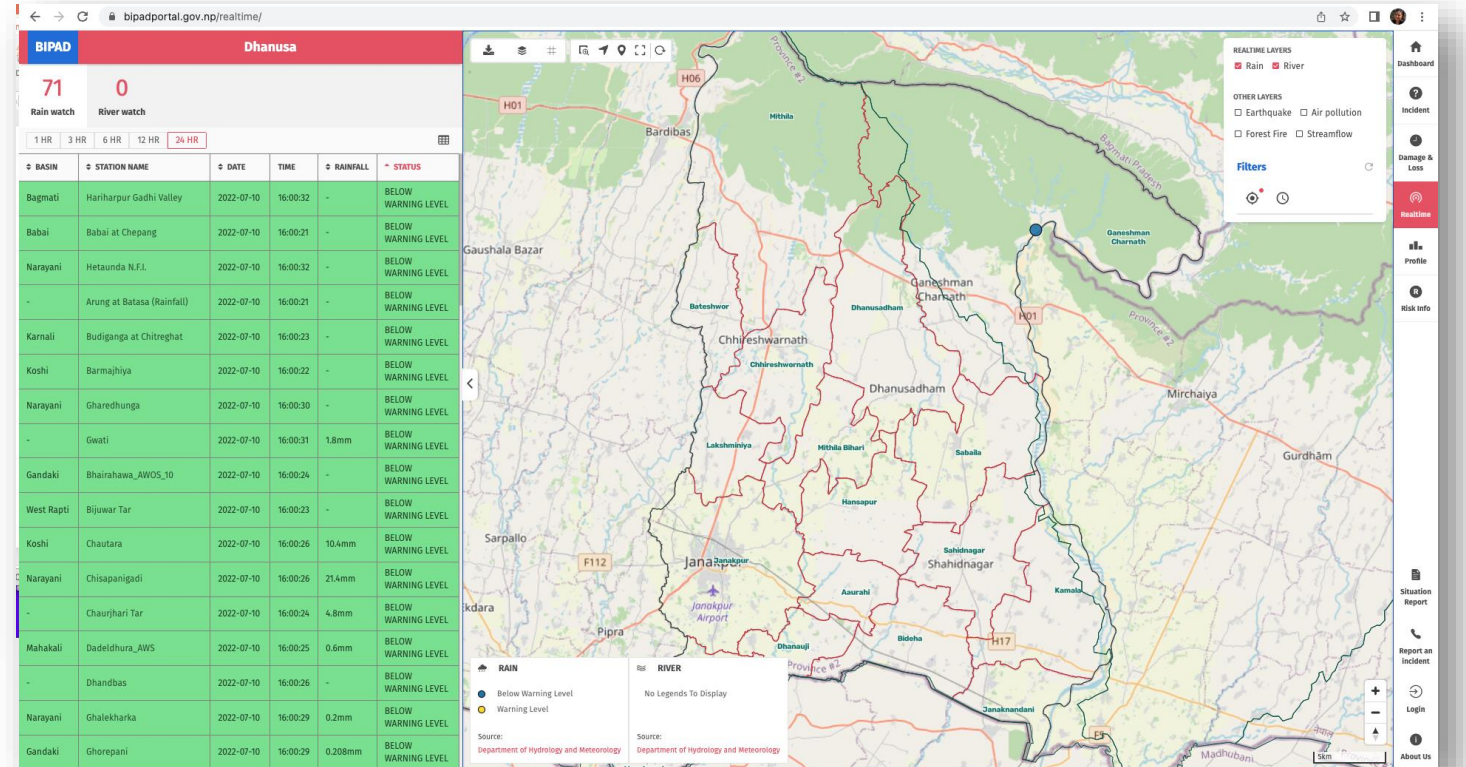
2. नगरपालिका तुलना गर्नुहोस्

Compare municipalities

विपद् पोर्टलका मोड्युलहरू

वास्तविक समय (Real Time)

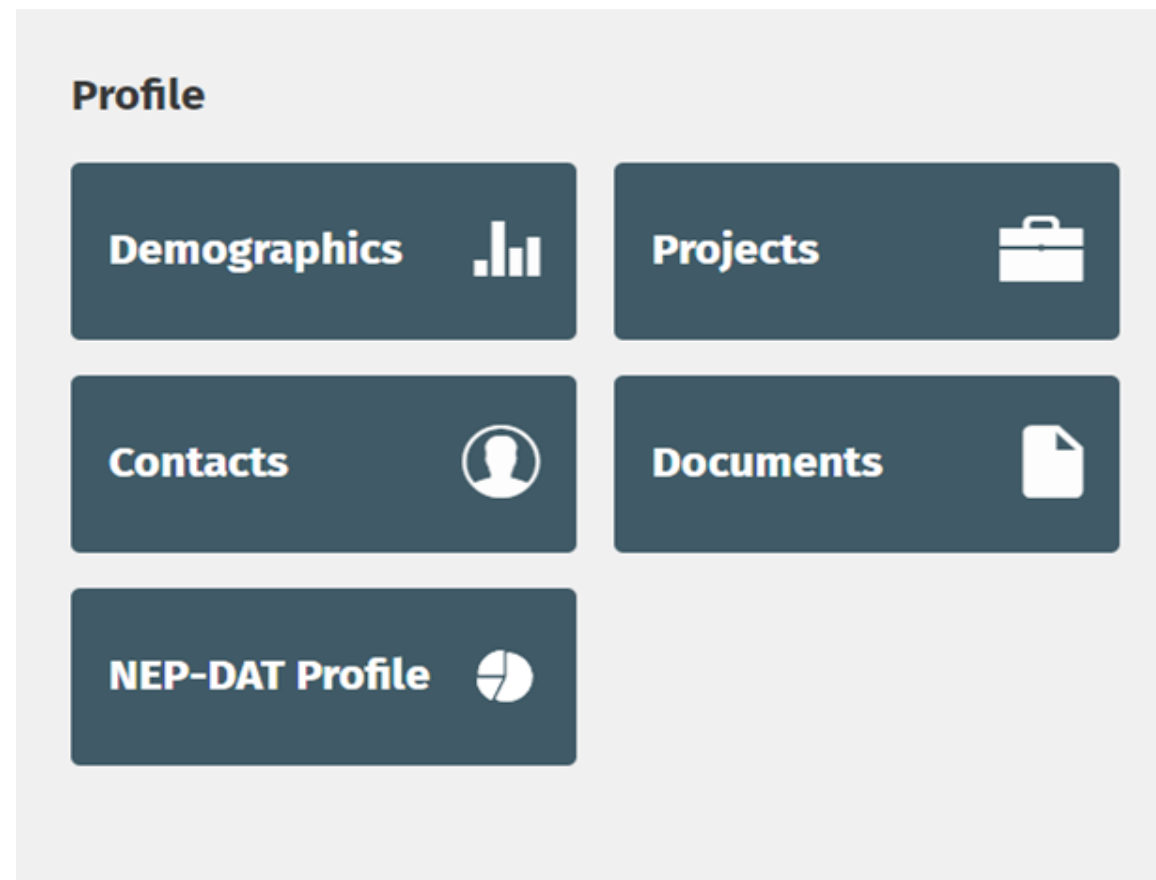
- प्रदेश / जिल्ला / नगरपालिकाले वर्षा, नदिको जलस्तर, भूकम्प, वायु प्रदुषण र डढेलोको रियलटाइम डाटा अवलोकन गर्न सक्दछ।
- यस मोड्युलमा भएको जानकारी प्रारम्भिक चेतावनी र प्रारम्भिक कार्य गर्न को लागि महत्त्वपूर्ण छ।



विपद् पोर्टलका मोड्युलहरू

प्रोफाइल (Profile)

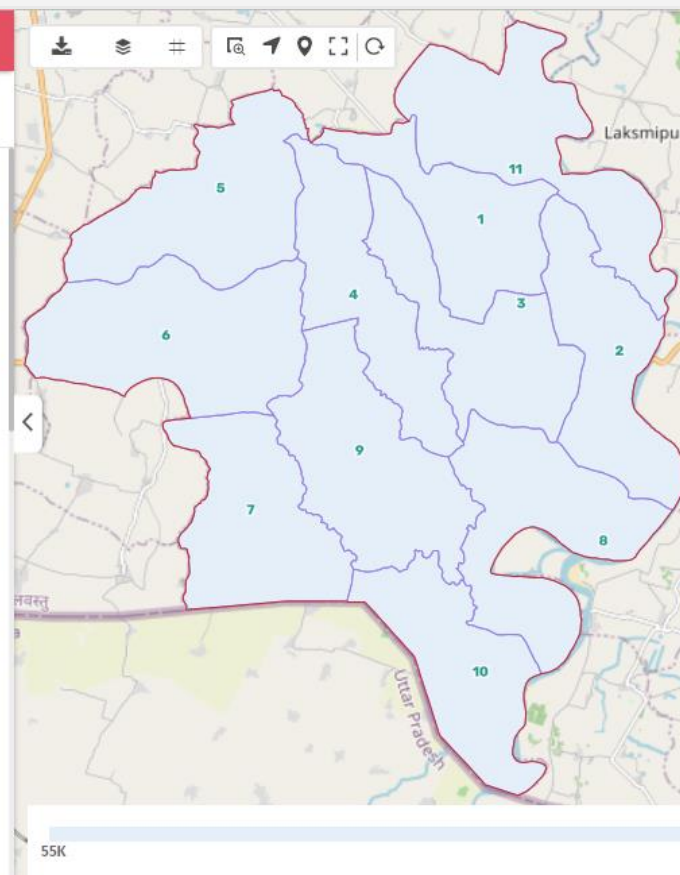
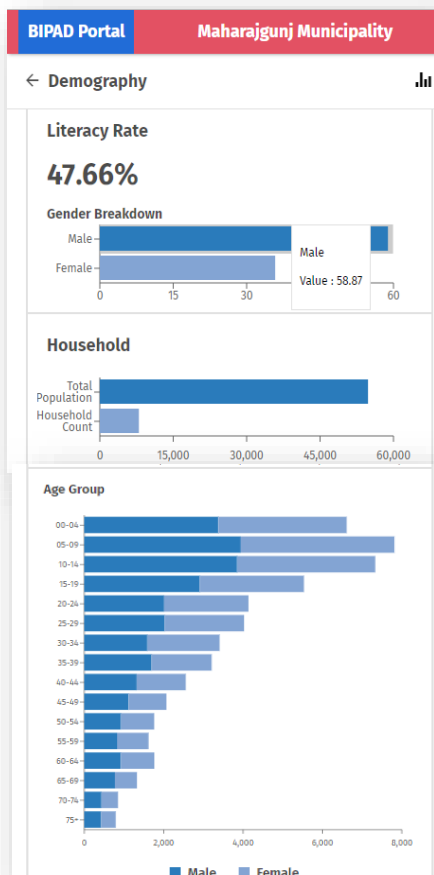
- यस मोड्युलमा कागजात र दस्तावेजहरू, सम्पर्क, जनसांख्यिकीय सम्बन्धित तथ्याङ्क सम्बन्धि जानकारीहरू हुन्छन्। यस मोड्युलमा आफैले राखिएका कागजात र दस्तावेजहरू, सम्पर्कमा नयाँ डाटाहरू थप्न, परिमार्जन गर्न या हटाउन सक्ने अधिकार हुन्छ ।
- यस मोड्युलमा भएको जानकारीले जोखिम सूचित विकास योजना बनाउन र विपद् जोखिम न्यूनीकरण र व्यवस्थापनको सुशासनमा टेवा पुर्याउँछ ।



विपद् पोर्टलका मोड्युलहरू

प्रोफाइल (Profile)

- जनसांख्यिकी (Demography Section)



विपद् पोर्टलका मोड्युलहरू

प्रोफाइल (Profile)

- सम्पर्क (Contacts Section)

The screenshot displays the BIPAD Portal interface. The top navigation bar includes 'BIPAD Portal' and 'Lumbini'. The main content area is titled 'Contact Personals' and features a search bar labeled 'SEARCH BY POSITION'. Below the search bar, there are six contact cards arranged in a 2x3 grid. Each card contains a profile picture, name, title, contact information (phone and email), and a 'No Training Attained' status. To the right of the contact list is a map of the Lumbini region, showing various districts and their corresponding incident counts. The map includes a 'Filters' panel and a '30 km' scale bar. A vertical sidebar on the far right contains navigation options: Incident, Damage & Loss, Realtime, Data Archive, Profile, Risk Info, Situation Report, Report an incident, Login, and About Us.

Name	Title	Phone	Email	Training
TEJ BAHADUR BHAAT	Mayor, LDMC	9858021135	madhuwanmun@gmail.com	No Training Attained
ANITA CHAUDHARI	Deputy Mayor, LDMC	9745634686	madhuwanmun@gmail.com	No Training Attained
NARU LAL CHAUDHARY	Mayor / Coordinator, LDMC	9857831111	narulal.c@gmail.com	No Training Attained
HUMA DC	Deputy Mayor, LDMC	-	-	No Training Attained
RISHIRAM K.C.	Chief Administrative Officer (CAO), LDMC	9857828111	rishiram.kc@gmail.com	No Training Attained
SUNIL KUMAR SHARMA	Section Officer, Environment and Disaster Management	9857831539	sunilsharma5225@gmail.com	No Training Attained

विपद् पोर्टलका मोड्युलहरू

प्रोफाइल (Profile)

- परियोजना (Projects Section)

The screenshot displays the BIPAD Portal interface for the Kapilbastu region. The top navigation bar shows "BIPAD Portal" and "Kapilbastu". The left sidebar contains a "Projects" section with a search bar labeled "SEARCH BY TITLE". Below the search bar, the project details are listed:

- Child-centred Disaster Risk Reduction (CCDRR) programme
- Organization: United Nations Children's...
- Budget: USD 3, United Nations Children's Fund (UNICEF)
- Jan,2020-Dec,2021

The main content area features a map of the Kapilbastu region, with the Shivaraj area highlighted in blue. The map includes a legend for "No. of projects" ranging from 0 to 1, and a scale bar indicating 5 km. The right sidebar contains navigation options: Dashboard, Incident, Damage & Loss, Realtime, Data Archive, Situation Report, Report an incident, Login, and About Us.

विपद् पोर्टलका मोड्युलहरू

प्रोफाइल (Profile)

- काजगात (Documents Section)

The screenshot displays the BIPAD Portal Lumbini interface. The top navigation bar includes 'BIPAD Portal' and 'Lumbini'. The main section is titled 'Documents' and features a search bar labeled 'SEARCH BY TITLE'. Below the search bar, there are several document cards arranged in a grid. Each card includes a title, a date, a region, and a category. The cards are:

- Response plan:** Unavailable, Region: municipality, Published By: -, Category: Respons...
- विपद् पूर्व तयारी तथा प्रतिकार्य योजना, २०७६:** Unavailable, Region: district, Published By: -, Category: Publicati...
- Local Disaster Management Committee:** Unavailable, Region: municipality, Published By: -, Category: Publicati...
- DRPR 2076:** 2019-06-10, Region: district, Published By: -, Category: -
- Prakop Nirdeshika:** 2019-09-26, Region: district, Published By: -, Category: Regulati...
- विपद् पूर्व सूचना प्रणाली (EWS) सञ्चालन सम्बन्धी कार्यविधि, २०७६:** Unavailable, Region: district, Published By: -

On the right side of the screen, there is a map of the Lumbini region showing various districts like Bardiya, Banke, Dang, Pyuthan, Gulmi, Palpa, Kapilbastu, and Rupandehi. A sidebar on the far right contains navigation options such as Incident, Damage & Loss, Realtime, Data Archive, Profile, Risk Info, Situation Report, Report an incident, Login, and About Us.

विपद् पोर्टलका मोड्युलहरू

प्रोफाइल (Profile)

- **NepDat Profile**

Data is available from

Jan. 9, 1971 - Jan. 11, 2022.

The screenshot displays the BIPAD Portal interface for Maharajgunj Municipality. The left panel contains the 'NepDat Profile' form, and the right panel shows a map of the area.

BIPAD Portal Maharajgunj Municipality

← NepDat Profile

About
The Nep Dat Profile generates disaster reports at national, provincial district, and municipal levels for the selected time frame. The report is generated in both English and Nepali versions. Using the data available in the BIPAD portal and DRR portal, the analysis is done to present data in terms of the number of disaster incidents, people deaths due to disaster incidents, estimated economic loss, hazard calendar, seasonal hazards, and most recurrent disasters.

Provide following details to generate profile

Report Type: Municipality

Language: English

Province: Lumbini

District: Kabilbastu

Municipality: Maharajgunj

Select Date: 12/01/2022 to 01/14/2023

GENERATE REPORT

The map on the right shows the geographical layout of Maharajgunj Municipality, including roads, rivers, and administrative boundaries. A sidebar on the far right contains navigation options: Dashboard, Incident, Damage & Loss, Realtime, Data Archive, Profile, Risk Info, Situation Report, Report an incident, Login, and About Us.

विपद् पोर्टलका मोड्युलहरू

तेश्रो कार्य (Task 3)

- प्रोफाइल मोड्युल (Profile Module)

1. सबै सम्बन्धित अधिकारीहरूको सम्पर्क जानकारी पत्ता लगाउनुहोस्

Find the contact information of all relevant officials

विपद् पोर्टलका मोड्युलहरू

जोखिम जानकारी (Risk Info)

- यो मोड्युलले प्रकोप, सम्मुखता, संकटासन्नता, जोखिम, श्रोत र क्षमता (शैक्षिक संस्था, स्वास्थ्य संस्था, बैंकिंग संस्था, धार्मिक साइट, उद्योग, सञ्चार, खानेपानी, यातायात, बिजुली) र जलवायु परिवर्तन सम्बन्धित जानकारीहरू दिन्छ। यस मोड्युलमा आफ्नो क्षेत्रको क्षमता र संसाधन सम्बन्धित तथ्याङ्कहरू एकीकृत गर्ने, थप्न, सम्पादन गर्न, हेर्न, मेटाउन सकिन्छ।

BIPAD Portal Maharajgunj Municipality

Risk Info

- H HAZARD**
A process, phenomenon or human activity that may cause loss of life, injury or other health impacts, property damage, social and economic disruption or environmental degradation.
- E EXPOSURE**
The situation of people, infrastructure, housing, production capacities and other tangible human assets located in hazard-prone areas.
- V VULNERABILITY**
The conditions determined by physical, social, economic and environmental factors or processes, which increase the susceptibility of an individual, a community, assets or systems to the impacts of hazards.
- R RISK**
The potential loss of life, injury, or destroyed or damaged assets which could occur to a system, society or a community in a specific period of time, determined probabilistically as a function of hazard, exposure, vulnerability and capacity.
- CR CAPACITY AND RESOURCES**
The combination of all the strengths, attributes and resources available within an organization, community or society to manage and reduce disaster risks and strengthen resilience.
- CC CLIMATE CHANGE**
A change in the state of the climate that can be identified (e.g., by using statistical tests) by changes in the mean and/or the variability of its properties and that persists for an extended period, typically decades or longer. Climate change may be due to natural internal processes or external forcings, or to persistent anthropogenic changes in the composition of the atmosphere or in land use.

विपद् पोर्टलका मोड्युलहरू

जोखिम जानकारी (Risk Info)

१ प्रकोप (Hazard)

Risk Info / Hazard

Flood

Earthquake

Landslide

Risk info / Hazard

Flood

Nepal Government

The map represents the water depth for flood events of certain year return period or recurrence interval. The return period indicates the average interval of time within which the flood of that magnitude will occur. Depths are shown in meters.

Source: Department of Water Resources and Irrigation (DoWRI)

Narayani

- 2 year
- 5 year
- 10 year
- 25 year
- 50 year
- 100 year

WestRapti

Kankai

Jalad

Gagan

EastRapti

Biring

Active layers

Narayani / 100 year

OPACITY: 1

Flood depth in meter (m)

- 0
- 9.6
- 19.2
- 28.8
- 38.4

Return period

Layer Controls in Active layers:

- Show/hide opacity control slider.
- Manage legend of layer.
- Manage Overlay of layers.
- Remove layers from map.

Navigation bar

H E V R CR CC

विपद् पोर्टलका मोड्युलहरू

जोखिम जानकारी (Risk Info)

२ सम्मुखता (Exposure)

Building data ←

Layers ←

Navigation bar ←

H E V R CR CC

Filters

Building Exposure Map

The data presents the estimated number of buildings, building area, and rebuilding value at a 3-arcsecond grid resolution for Nepal (approximately 90 meters). Data were created through a process of spreading the number of buildings from census data, at the VDC census level, to the 3-arcsecond level by a statistical assessment of moderate resolution EO data. The estimated building count at any given area is a result of statistical processes and should not be mistaken as a building count.

Building Count
Building Area
Building Value

Building Exposure Map / Building Count

OPACITY: 0.5

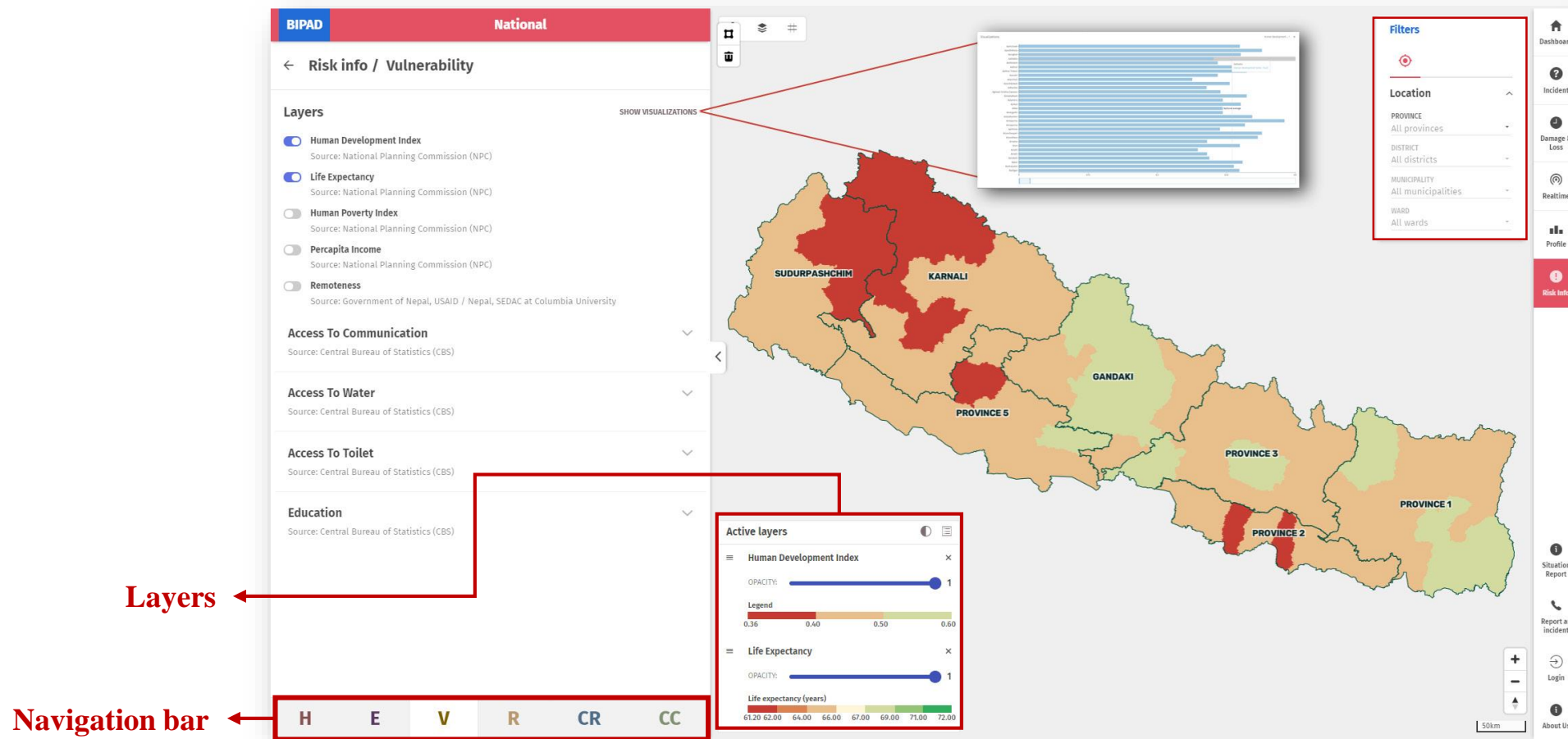
Building Count (Count)

0 - 5
5 - 10
10 - 20
20 - 30
30 - 170

विपद् पोर्टलका मोड्युलहरू

जोखिम जानकारी (Risk Info)

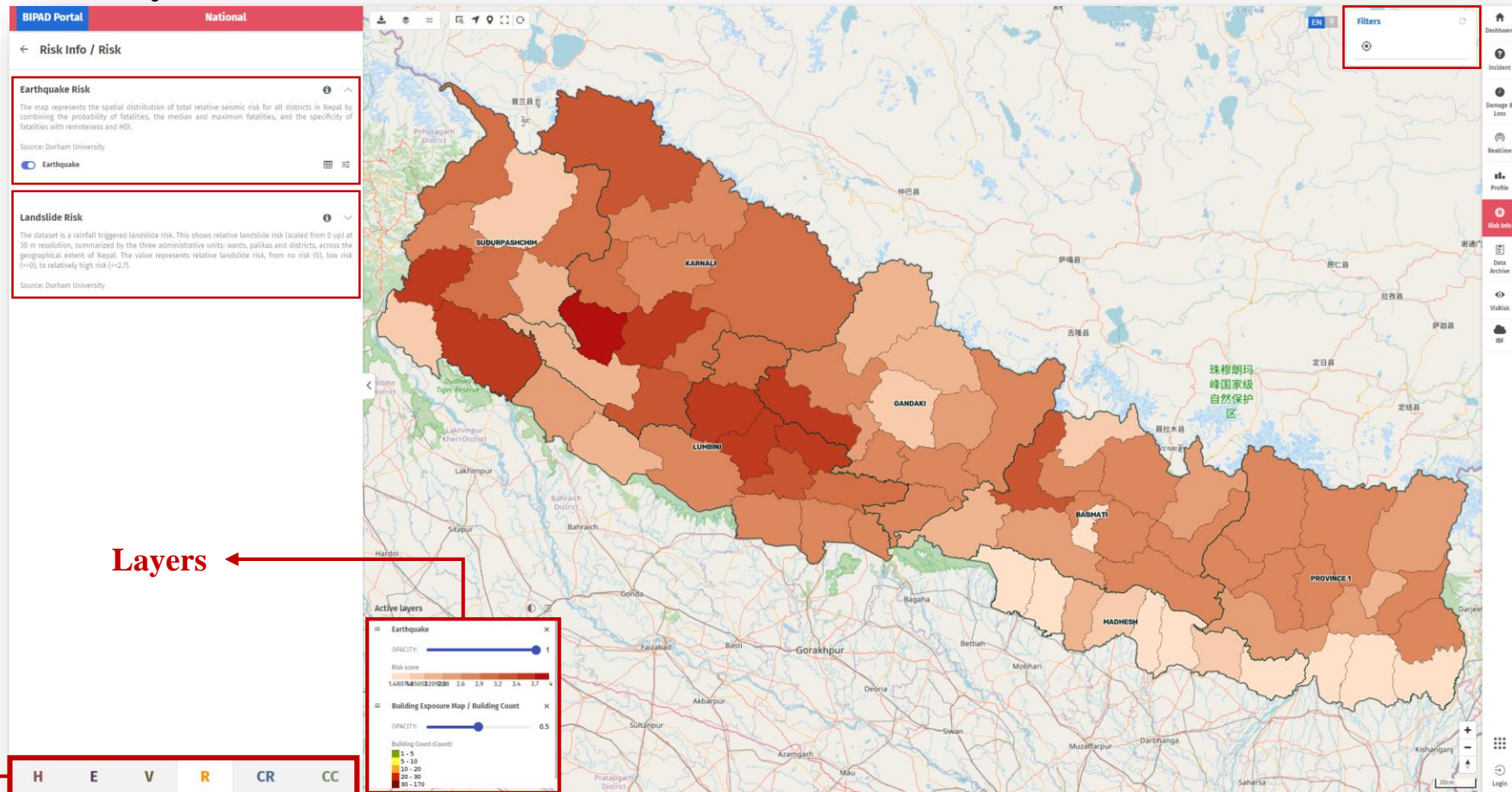
संकटासन्नता (Vulnerability)



विपद् पोर्टलका मोड्युलहरू

जोखिम जानकारी (Risk Info)

जोखिम (Vulnerability)



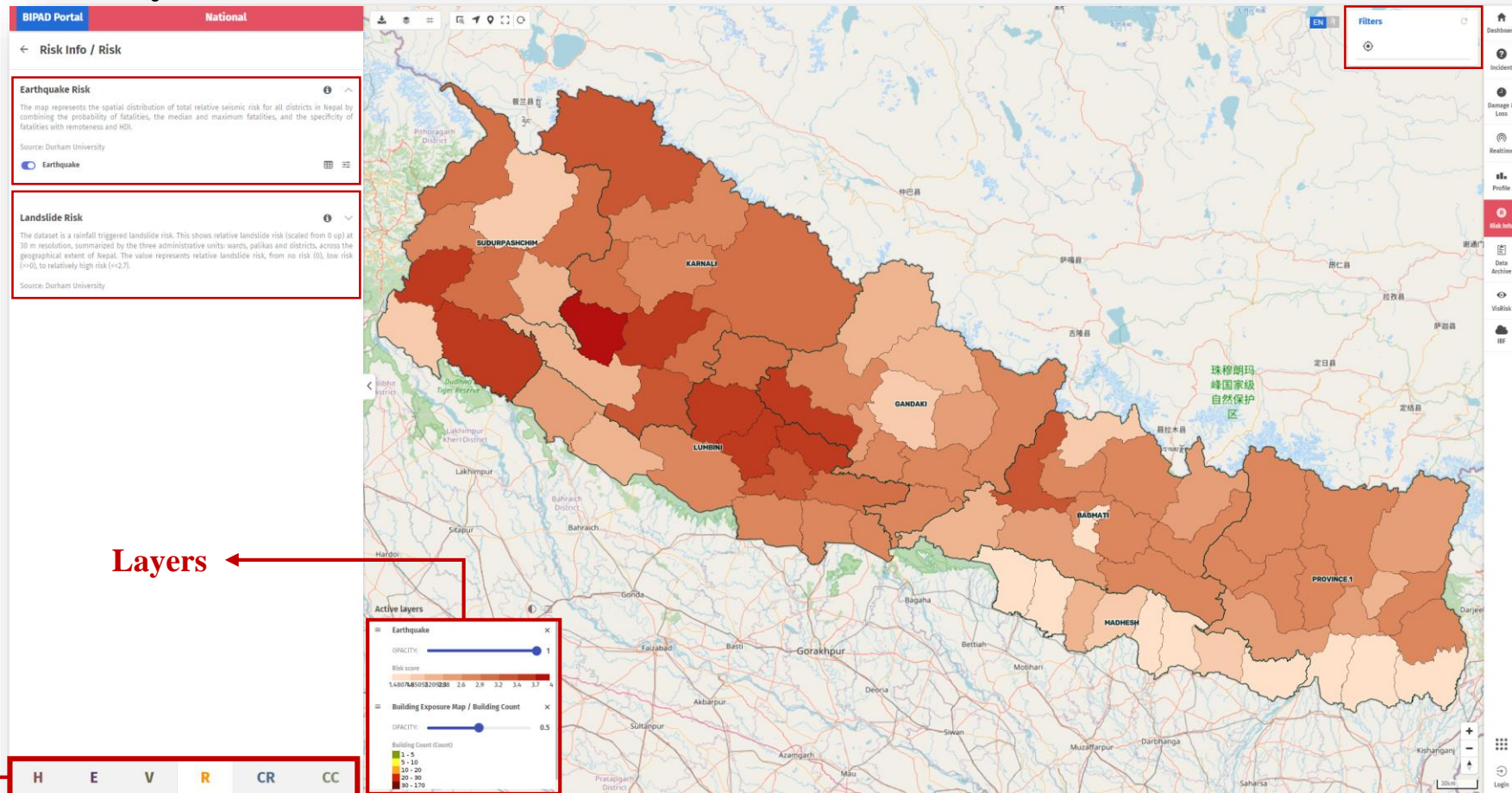
Layers

Navigation bar

विपद् पोर्टलका मोड्युलहरू

जोखिम जानकारी (Risk Info)

५ जोखिम (Vulnerability)



विपद् पोर्टलका मोड्युलहरू

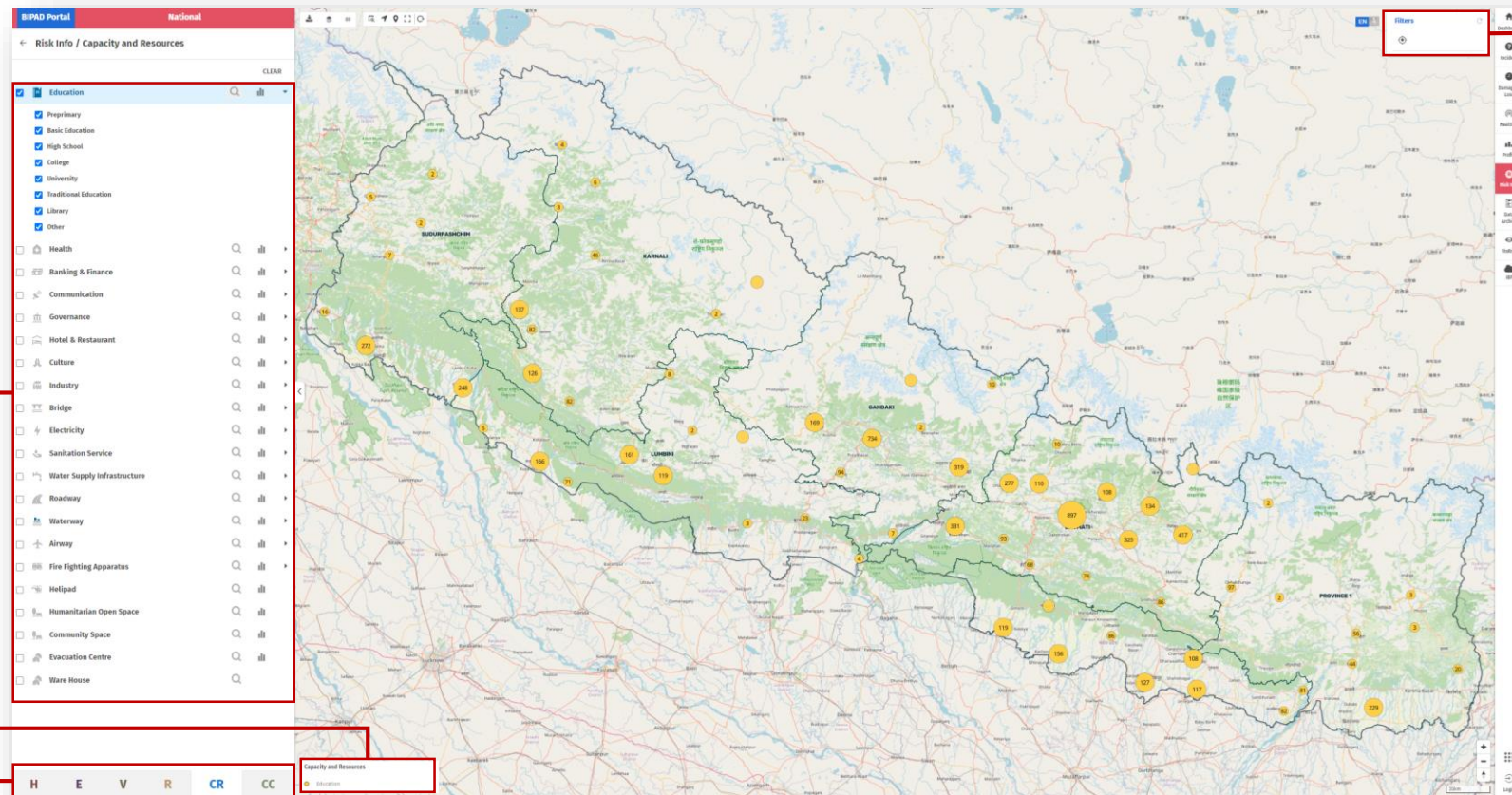
जोखिम जानकारी (Risk Info)

६ श्रोत र क्षमता (Capacity & Resources)

21
Capacity
and
Resources

Legend

Navigation bar



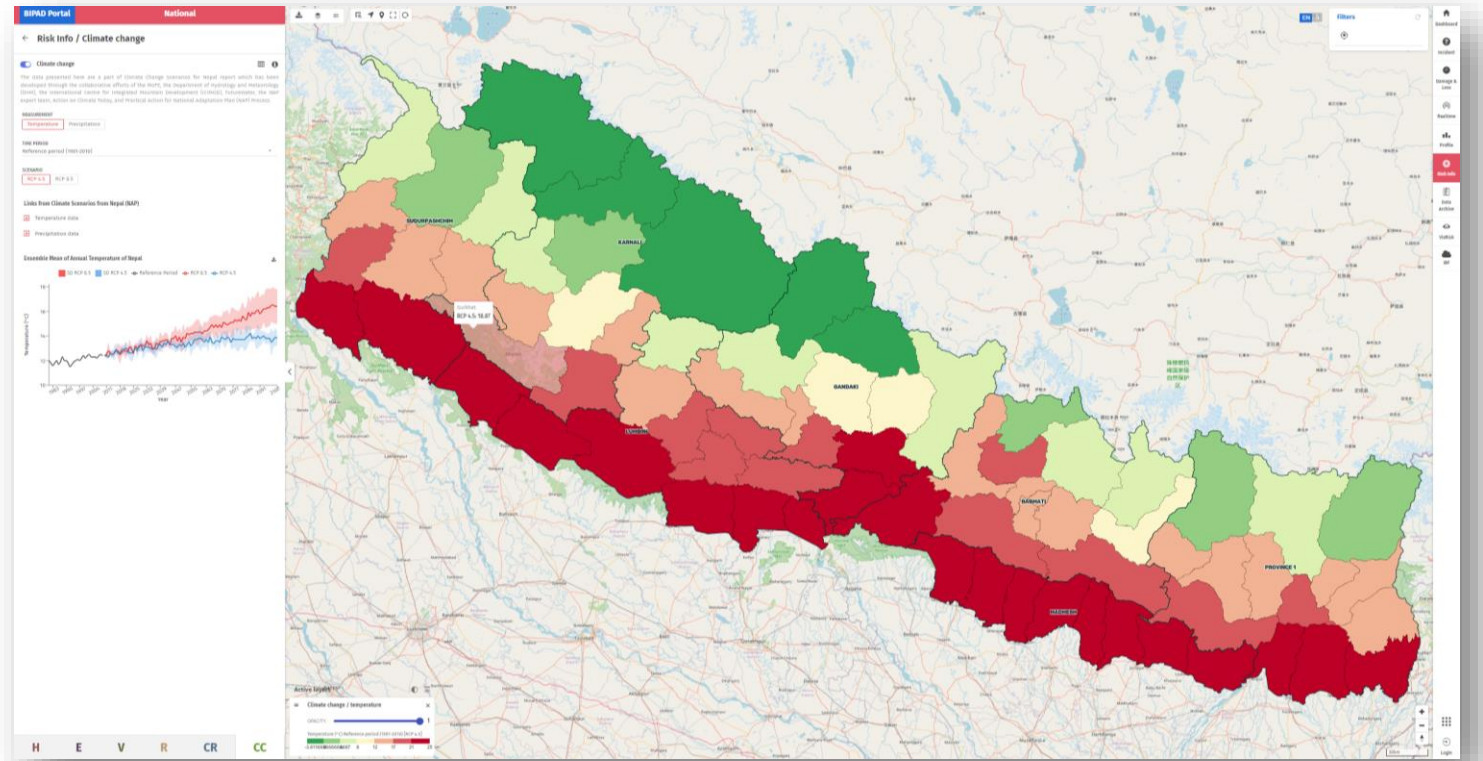
Filter

विपद् पोर्टलका मोड्युलहरू

जोखिम जानकारी (Risk Info)

६ जलवायु परिवर्तन (Climate Change)

- **Representative Concentration Pathways (RCPs)** ले भविष्यको उत्सर्जनको स्तरको आधारमा हरितगृह ग्यास एकाग्रताको सम्भावित प्रक्षेपणहरू प्रतिनिधित्व गर्दछ। नेपालको जलवायु परिवर्तन परिदृश्यहरू अवलोकन गर्नका लागि दुईवटा सङ्कलन RCP 4.5 र RCP 8.5 चयन गर्न सकिन्छ।
- ग्राफले छनोट गरिएको RCPs (RCP 4.5 वा RCP 8.5) लाई विचार गरेर तापमान र वर्षामा परिवर्तनको सम्भावित दायरा प्रदान गर्दछ।





विपद् पोर्टलका मोड्युलहरू

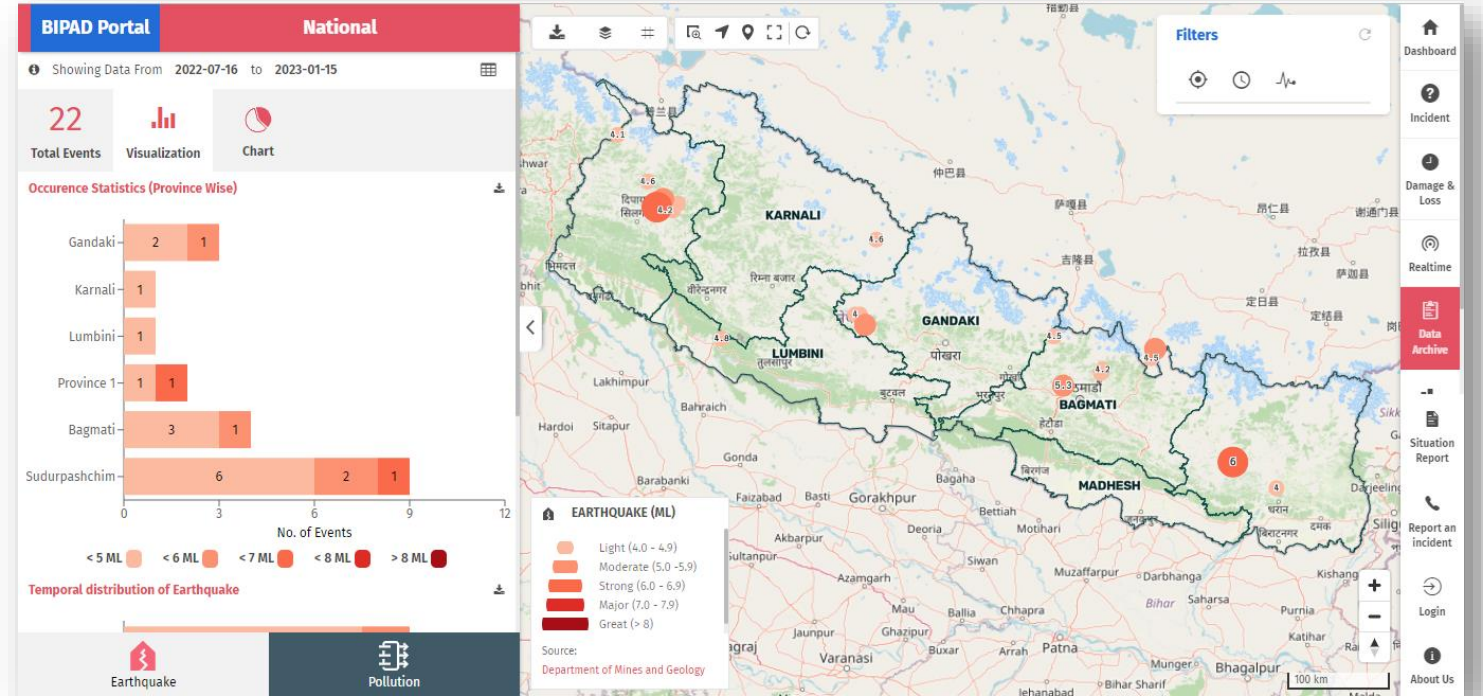
डाटा संग्रह (Data Archive)

- यस संग्रहमा पछिल्ला समयमा घटेका भूकम्प र प्रदुषण मापन तथ्याङ्क अवलोकन गर्न मिल्दछ।

Data Archive

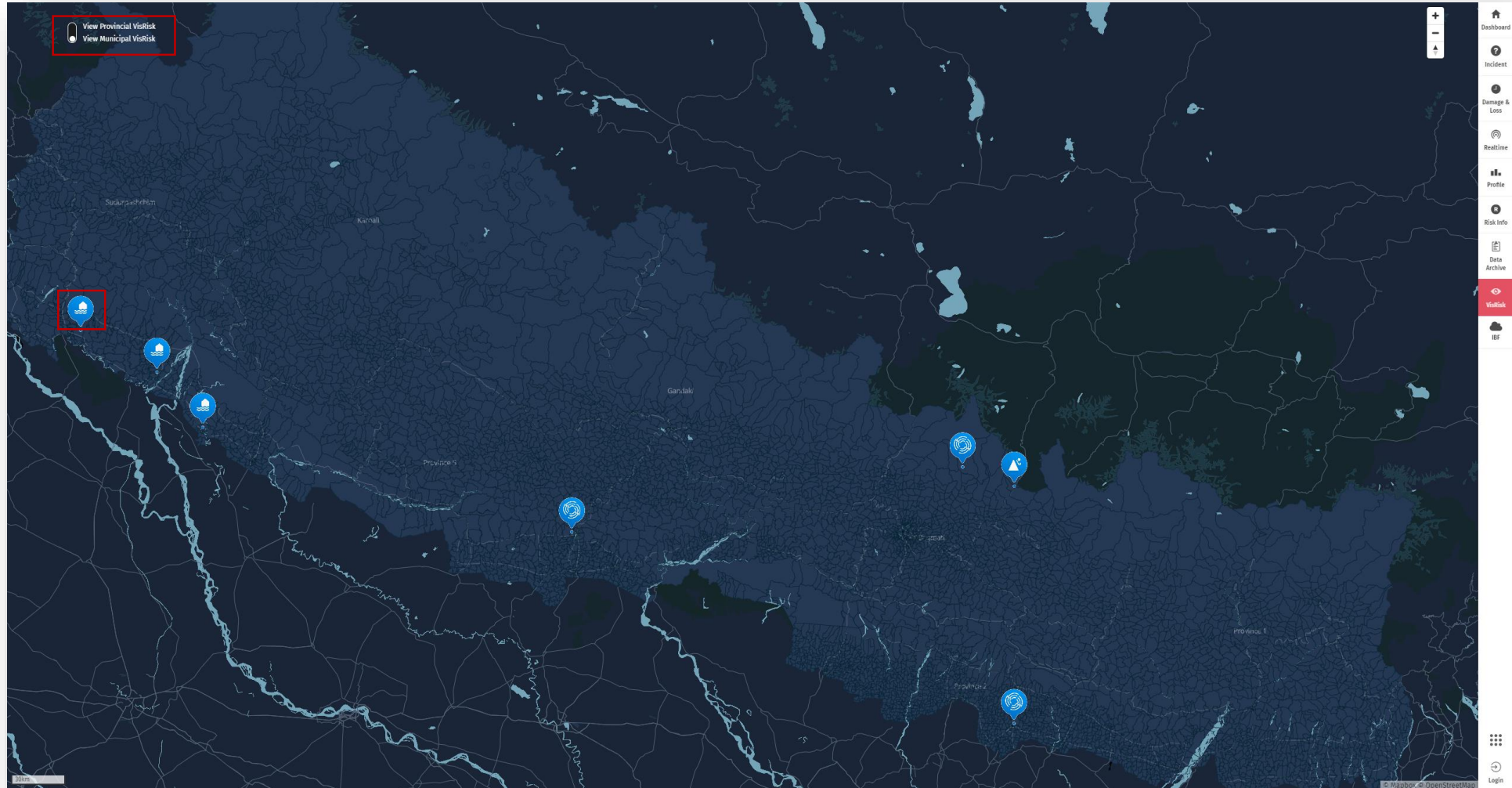
Earthquake 

Pollution 



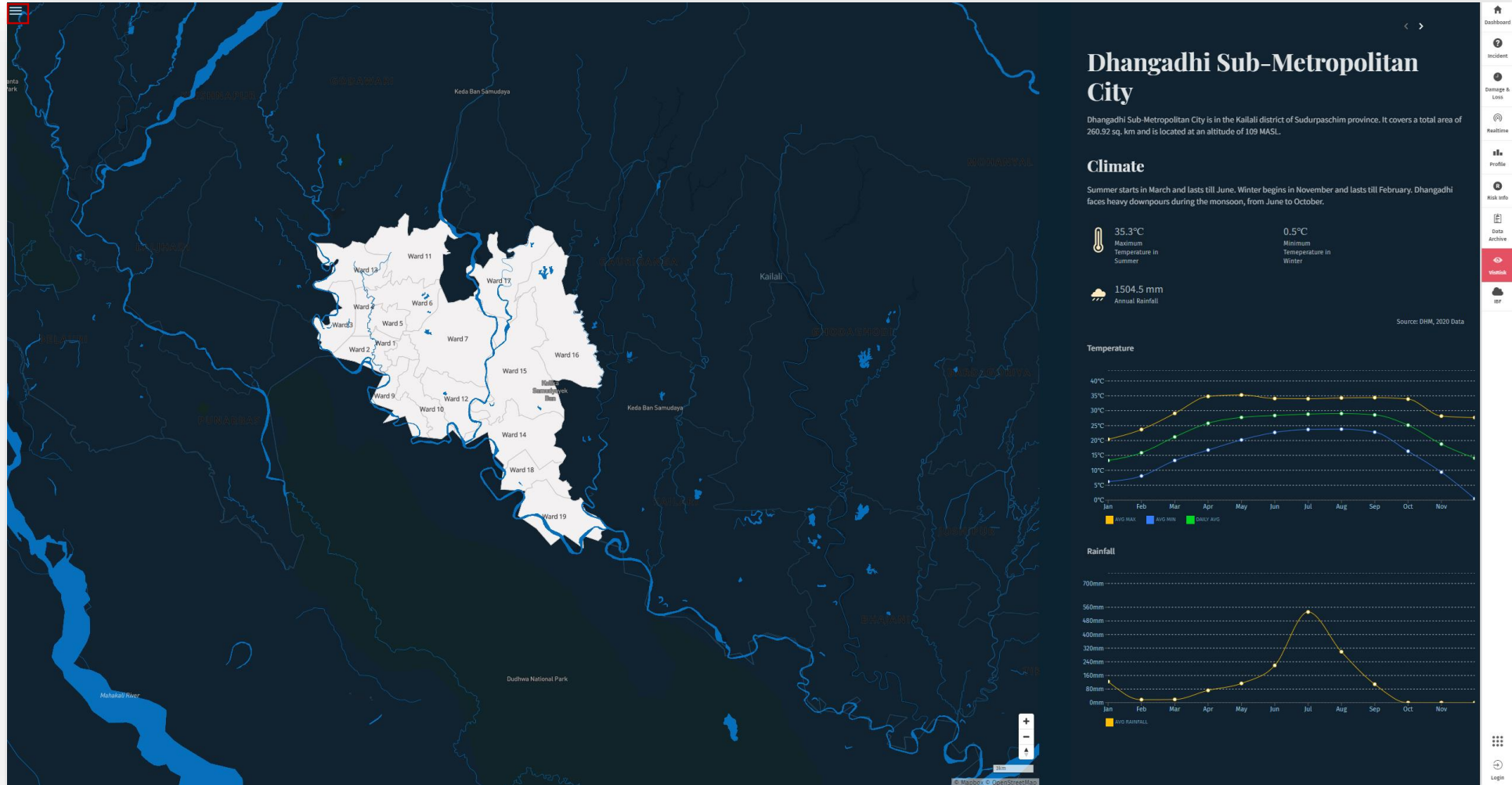
विपद् पोर्टलका मोड्युलहरू

भिज-रिक्स (Visualizing Risk)



विपद् पोर्टलका मोड्युलहरू

भिज-रिक्स (Visualizing Risk)



विपद् पोर्टलका मोड्युलहरू

भिज-रिक्स (Visualizing Risk)

Karnali

Karnali province is situated in the northwest of Nepal and is the largest province in Nepal. The province consists of 5 districts, and it borders with China in the north, Gandaki province in the east, Sudurpashchim in the west and Lumbini province in the south. The total area of the province is 27,984 Sq. Kms, covering 18.97% of the country. Birendranagar is the capital of the province. It has a population of 1.56M and a density of 56 people per sq. Km, making it the province with lowest population in the country.

Karnali province has climatic variations, which is associated with the diverse nature of its topography and altitude. The climatic zone of the province ranges from high himalayas in the north, above 7000m with tundra and arctic climate to Chure region in the south with sub-tropical climatic zone. The average annual precipitation of the province is 1479 mm and the average annual temperature is 26.1 degrees Celsius.

The sub-metropolitan city consists of 19 wards covering total area of 101.6 sq.km, and is situated at an elevation of 150 m MASL.

Recorded Time: 2023-06-04

8°C Current 24.2°C Maximum 11.1°C Minimum

0.0 mm Daily Rainfall 3,949.5 mm Annual Rainfall

Temperature

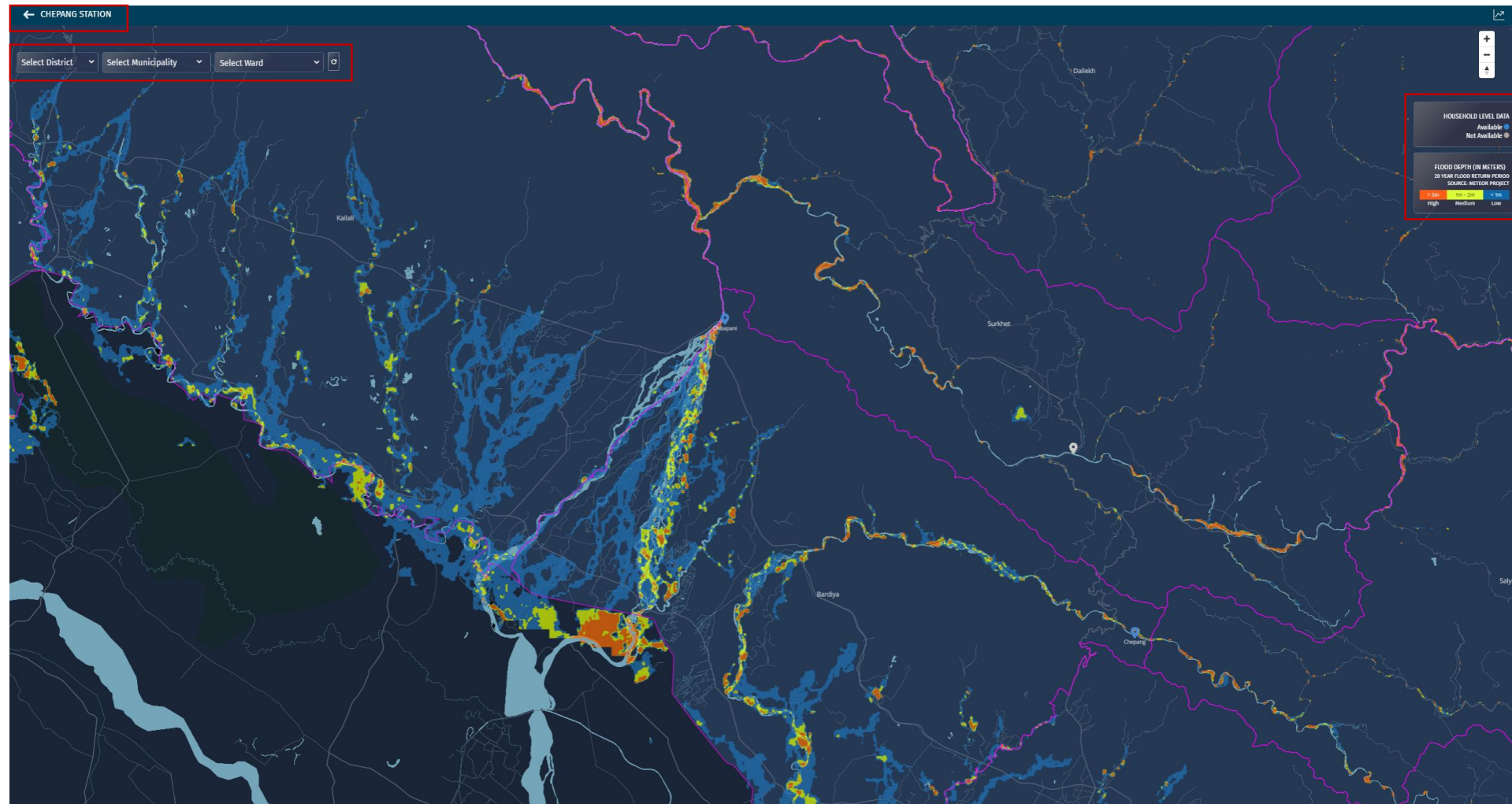
Month	Maximum (°C)	Average (°C)	Minimum (°C)
Jan	15	10	5
Feb	20	15	10
Mar	25	20	15
Apr	30	25	20
May	35	30	25
Jun	35	30	25
Jul	30	25	20
Aug	35	30	25
Sep	30	25	20
Oct	35	30	25
Nov	25	20	15
Dec	15	10	5

Navigation bar: 1 2 3 4 5 6 7 8 PREVIOUS NEXT

Legend: ADMINISTRATIVE MAP, ADMINISTRATIVE, POPULATION BY DISTRICT

विपद् पोर्टलका मोड्युलहरू

आई. बि. एफ (Impact Based Forecasting)



धन्यवाद

जुटेर मात्र सम्भव छ विपद् जोखिम न्यूनीकरण