

BC Developers' Exchange

The BC Developers' Exchange (<https://bcdevexchange.org>) features digital resources (<https://bcdevexchange.org/home#developers-value-props>) from both the province and a number of BC municipalities.

The following data portals offer digital resources (data and APIs) for developers under a variety of licenses:

Province of BC

<https://catalogue.data.gov.bc.ca>

City of Surrey

<http://data.surrey.ca/>

City of Vancouver

<http://vancouver.ca/your-government/open-data-catalogue.aspx>

Many other municipalities in Lower Mainland region also provide data and APIs that may be useful for your project.

A sample of resources that may be of interest for the **Smart Cities** theme include:

OPEN511 – road events

The province and many municipalities in BC and a growing number across North America) have co-operated in the implementation of an open API (open511.org) for publishing information about road events such as closures, weather conditions, accidents, construction. Surrey, Vancouver and the Province of BC all provide data using this standard.

Province of BC:

<https://catalogue.data.gov.bc.ca/dataset/open511-drivebc-api>

City of Surrey:

<http://api.bcdevexchange.org/api-console.html?swaggerUrl=https://raw.githubusercontent.com/cityofsurrey/open511/master/open511definition.json>

City of Vancouver

<https://api-developer.vancouver.ca/docs/services/5732671fcf00350fc8967546/operations/57326720cf00350328744090>.

Address Geocoder

The Province of BC with the assistance of most BC municipalities and many government agencies, offer a geo-coder web service that provides open licensed geocoded and reverse geocoded data for civic address and many other sites.

<https://catalogue.data.gov.bc.ca/dataset/physical-address-geocoding-web-service>

Traffic Loop Counts – City of Surrey

This API provides locations of City of Surrey traffic loops and the corresponding traffic loop counts in 15 minute intervals.

<http://api.bcdevexchange.org/api-console.html?swaggerUrl=https://raw.githubusercontent.com/CityofSurrey/traffic-loops-api/master/surrey-trafficloop.json>

OPEN311 – repair request services

The City of Surrey has implemented the Open311 standard for creating and querying service requests.

<http://api.bcdevexchange.org/api-console.html?swaggerUrl=https://raw.githubusercontent.com/BCDevExchange/API-Management/master/swagger-json/surrey-open311.json>

A sample resource that may be of interest for the **Video and Digital Media** theme include:

DriveBC Highway Webcams

The following link provides access to the location and data from more than 400 web cams that provide access to regularly updated digital stills that show traffic and weather conditions across the province.

<https://catalogue.data.gov.bc.ca/dataset/bc-highway-cams>

A few resources that may be of interest for the **Connected Health Care** theme include:

Current Air Quality Data

<http://envistaweb.env.gov.bc.ca/>

ftp://ftp.env.gov.bc.ca/pub/outgoing/AIR/Hourly_Raw_Air_Data/Air_Quality/

Walk in Clinic Locations

<https://catalogue.data.gov.bc.ca/dataset/walk-in-clinics-in-bc>

Hospital Locations

<https://catalogue.data.gov.bc.ca/dataset/hospitals-in-bc>