Web API Documentation

Each INFORM model is identified by a 'WorkflowId'. The INFORM models belonging to the same release, are coded with the same 'WorkflowGroupName' (e.g. INFORM 2020 release and the ten years back-calculated models based on the same methodology).

URL specification

http://[HOST]:[PORT]/[PATH]/[CONTROLLER]/[ACTION]/[?QUERY_PARAMETERS]

Without any of the optional components, the URL structure

http://[HOST]:[PORT]/[PATH]

returns a list of available controllers and actions to retrieve data.

HOST This is the name of the machine providing the web service. In order access public INFORM data, use https://drmkc.jrc.ec.europa.eu/inform-index

PORT This is the port number for the web service. In order to access public INFORM data, you can leave this out, or set it to the default HTTPS port, 80.

PATH The application path for the web service. All INFORM public data available from this web service are in the API/InformAPI/ path.

Available Models

Country

- Index
- GetByName
- GetByGroup
- GetByWorkflowId
- GetByWorkflowgroup
- Trends (int workflowid, string iso3, string indicatorid = null, string level = null, string compare = null)
- Rankings (int workflowid, string iso3, string indicatorid = null)
- Income (int workflowid, string iso3)
- Scores (int workflowid, string iso3 = null, string isoGroup = null, string indicatorId = null)

Indicator

- Index
- GetByWorkflowId
Process

- GetByWorkflowId
- GetColorPaletteByWorkflowId

Workflow

- Index
- GetBySystem
- GetByWorkflowGroup
- GetByYear
- WorkflowGroups (string model = null)
- Systems (string code = null)
- Default
- GeometryLocation(int workflowId)

Examples

Retrieve all countries and municipalities info
http://[HOST]:[PORT]/[PATH]/Countries/Index/

Retrieve info about Brazil (identified by Iso3 = BRA)
http://[HOST]:[PORT]/[PATH]/Countries/Index/BRA

You can filter multiple values separating them by comma, for example
http://[HOST]:[PORT]/[PATH]/Countries/Get/BRA,SWE

Retrieve Countries with name like Guinea
http://[HOST]:[PORT]/[PATH]/Countries/GetByName/Guinea

Retrieve Countries in Europe
http://[HOST]:[PORT]/[PATH]/Countries/GetByGroup/Europe

Retrieve Workflow Group Names
http://[HOST]:[PORT]/[PATH]/Workflows/WorkflowGroups

Retrieve Workflows by Workflow Group Name
http://[HOST]:[PORT]/[PATH]/workflows/GetByWorkflowGroup/INFORM2020

Retrieve Workflows for year 2020
http://[HOST]:[PORT]/[PATH]/Workflows/GetByYear/2020
Retrieve INFORM results for Workflow #386 (code got with previous query) and country Brazil
http://[HOST]:[PORT]/[PATH]/Countries/Scores/?WorkflowId=386&Iso3=BRA

Retrieve INFORM results for Workflow #386 (code got with previous query), country Brazil, Indicators CC and VU
http://[HOST]:[PORT]/[PATH]/Countries/Scores/?WorkflowId=386&Iso3=BRA&IndicatorId=CC,VU

Retrieve spatial data (GeoJson format) for regional model Lebanon
http://[HOST]:[PORT]/[PATH]/Countries/GeometryLocation/?modelName=Lebanon

Retrieve all indicator definitions
http://[HOST]:[PORT]/[PATH]/Indicators/Index/

Retrieve data for indicator POP_DEN
http://[HOST]:[PORT]/[PATH]/Indicators/Index/POP_DEN

Retrieve methodology configuration for workflowId #386
http://[HOST]:[PORT]/[PATH]/Processes/GetByWorkflowId/386