

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](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](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](http://[HOST]:[PORT]/[PATH]/Countries/GeometryLocation/?modelName=Lebanon)

Retrieve all indicator definitions

[http://\[HOST\]:\[PORT\]/\[PATH\]/Indicators/Index/](http://[HOST]:[PORT]/[PATH]/Indicators/Index/)

Retrieve data for indicator POP_DEN

[http://\[HOST\]:\[PORT\]/\[PATH\]/Indicators/Index/POP_DEN](http://[HOST]:[PORT]/[PATH]/Indicators/Index/POP_DEN)

Retrieve methodology configuration for workflowId #386

[http://\[HOST\]:\[PORT\]/\[PATH\]/Processes/GetByWorkflowId/386](http://[HOST]:[PORT]/[PATH]/Processes/GetByWorkflowId/386)