

Simple PHP web service client

We will use request as static XML string. In real environment the request will be generated dynamically.

We will do a simple **curl** call to access web service in REST mode.

```
<?php
header('Content-type: text/xml');
$xml = '<ws:dataDeliveryRequest dateFrom="2014-01-01" dateTo="2014-01-30"
  xmlns="http://geomodel.eu/schema/data/request"
  xmlns:ws="http://geomodel.eu/schema/ws/data"
  xmlns:geo="http://geomodel.eu/schema/common/geo"
  xmlns:pv="http://geomodel.eu/schema/common/pv"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

  <site id="siteldummy" name="First site" lat="48.61259" lng="20.827079">
    <geo:terrain elevation="111" azimuth="112" tilt="11"/>
    <geo:horizon>0:5 7.5:3 15:7 22.5:0</geo:horizon>
    <pv:geometry xsi:type="pv:GeometryFixedOneAngle" azimuth="165"
tilt="22"/>
    <pv:system installationType="FREE_STANDING" dateStartup="2011-06-
01" availability="99">
      <pv:module type="ASI" count="10" nominalPower="560">
        <pv:degradation>3</pv:degradation>
        <pv:degradationFirstYear>8</pv:degradationFirstYear>
        <pv:surfaceReflectance>0.13</pv:surfaceReflectance>
        <pv:powerTolerance low="10" high="90"/>
        <pv:nominalOperatingCellTemp>15</pv:
nominalOperatingCellTemp>
        <pv:openCircuitVoltageCoeff>7</pv:openCircuitVoltageCoeff>
        <pv:shortCircuitCurrentCoeff>4</pv:
shortCircuitCurrentCoeff>
        <pv:PmaxCoeff>10</pv:PmaxCoeff>
      </pv:module>
      <pv:inverter count="2" interconnection="PARALLEL">
        <pv:efficiency xsi:type="pv:EfficiencyConstant" percent="
94"/>
        <pv:startPower>10</pv:startPower>
        <pv:limitationACPower>5</pv:limitationACPower>
        <pv:nominalDCPower>8</pv:nominalDCPower>
      </pv:inverter>
      <pv:losses>
        <pv:acLosses cables="1" transformer="2.1"/>
        <pv:dcLosses cables="1.2" mismatch="0.65" snowPollution="
7" monthlySnowPollution="4 2 3 4 5 7 8 4 7 4 5 1"/>
      </pv:losses>
      <pv:topology xsi:type="pv:TopologySimple" type="PROPORTIONAL"
relativeSpacing="1.5"/>
    </pv:system>
  </site>
  <processing key="GHI DIF DNI PVOUT" summarization="HOURLY"
terrainShading="true"/>
</ws:dataDeliveryRequest>';
```

```
$url = 'https://solargis.info/ws/rest/datadelivery/request?key=demo';
$ch = curl_init($url);
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type: text/xml'));
curl_setopt($ch, CURLOPT_POSTFIELDS, $xml);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, 1);

$response = curl_exec($ch);
curl_close($ch);
echo $response;
?>
```