

ICIMOD



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Web Interface

Empowering women in geospatial
information technology-Pakistan

What is the Web Map

It's a form of digital map that can be viewed in your browser



Interactive Web Mapping Interfaces

- **Easy to navigate the data and application (limitation exist)**
- **No extra software/data or huge hardware required beside Internet and web browser**
- **Add layers from various sources**
- **Improve presentations with Brandings**
- **Increase the information dissemination rate. Easy to share**



Tethys Platform

- **Tethys is a platform that can be used to develop and host environmental web apps. It includes a suite of free and open source software (FOSS) that has been carefully selected to address the unique development needs of web apps.**

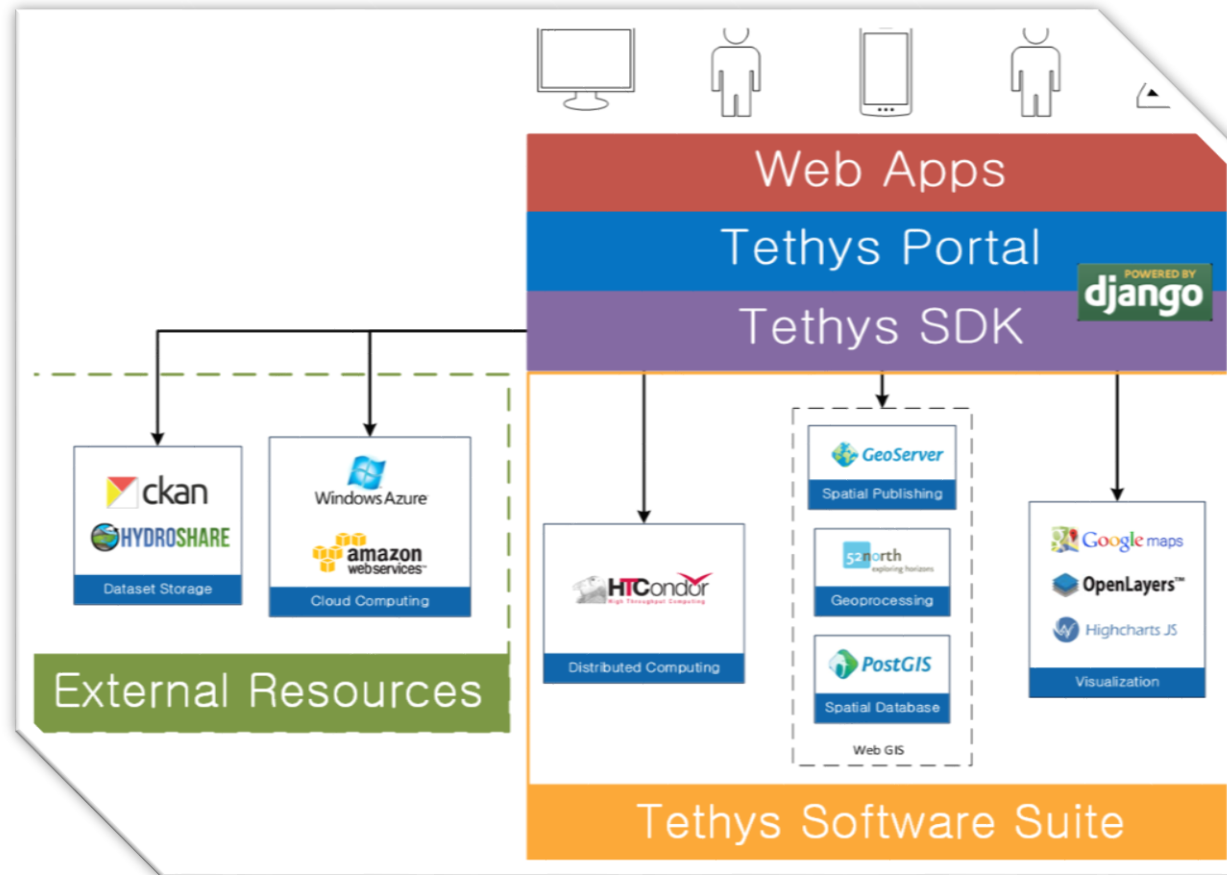


Tethys Platform Overview

The screenshot displays the Tethys Portal Apps Library interface. At the top, there is a blue header with the text "Tethys Portal" and "Apps Library". Below the header, there are several filter tabs: "All", "ECMWF-Streamflow-Prediction", "Drought-Monitoring", "HIWAT-Streamflow-Prediction", and "Hydro-stats-Validation". The main content area shows a grid of application tiles, each with an icon and a title. The tiles include:

- Snow Inspector
- CUAHSI Time Series Viewer
- NWM Forecast Viewer
- Data Pods
- HydroShare
- Snow Probability Map
- Sherin PHREEQC
- HydroShare Geographic Feature Viewer
- Correlation Plot
- api
- NWM Data Explorer
- Streamflow Bhutan
- Streamflow Nepal
- Regional Drought Monitoring System Beta
- Apicenter
- Watershed Characterization for Afghanistan
- Hydrostats App
- Sldasdataforecast
- Agricultural Drought Watch
- Streamflow Prediction for Bangladesh
- HIWAT Streamflow Nepal
- HIWAT Streamflow Bangladesh

Tethys At a Glance

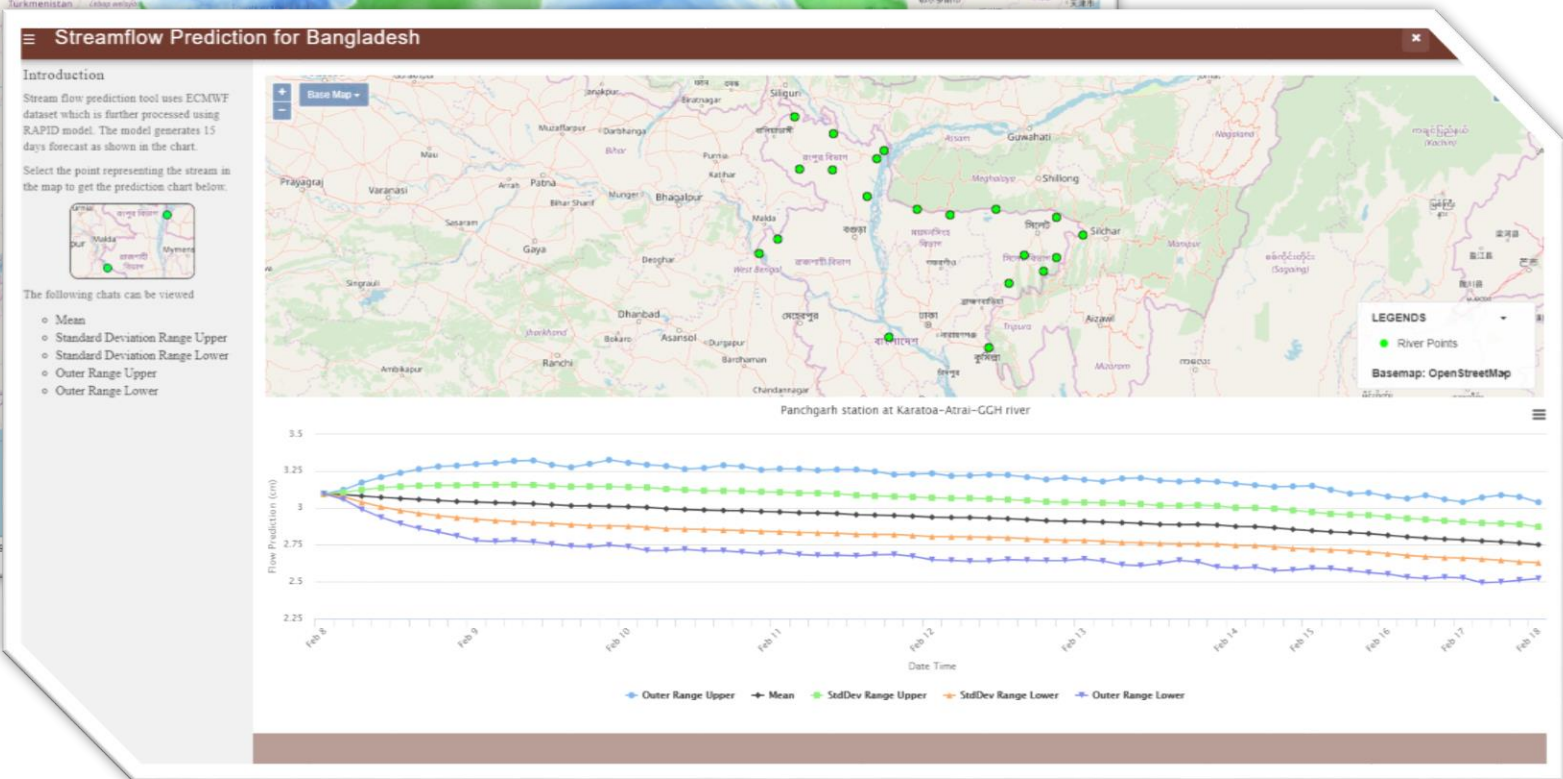
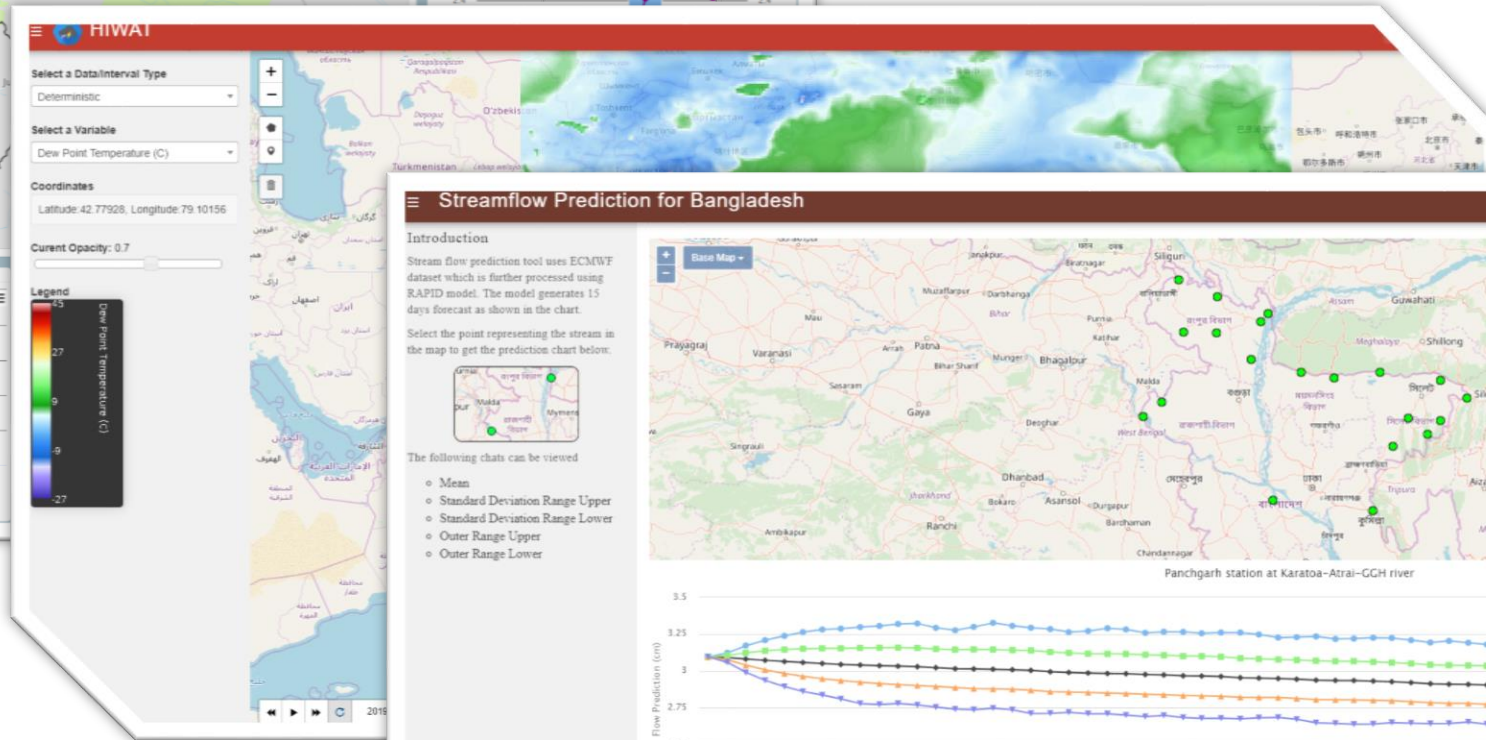
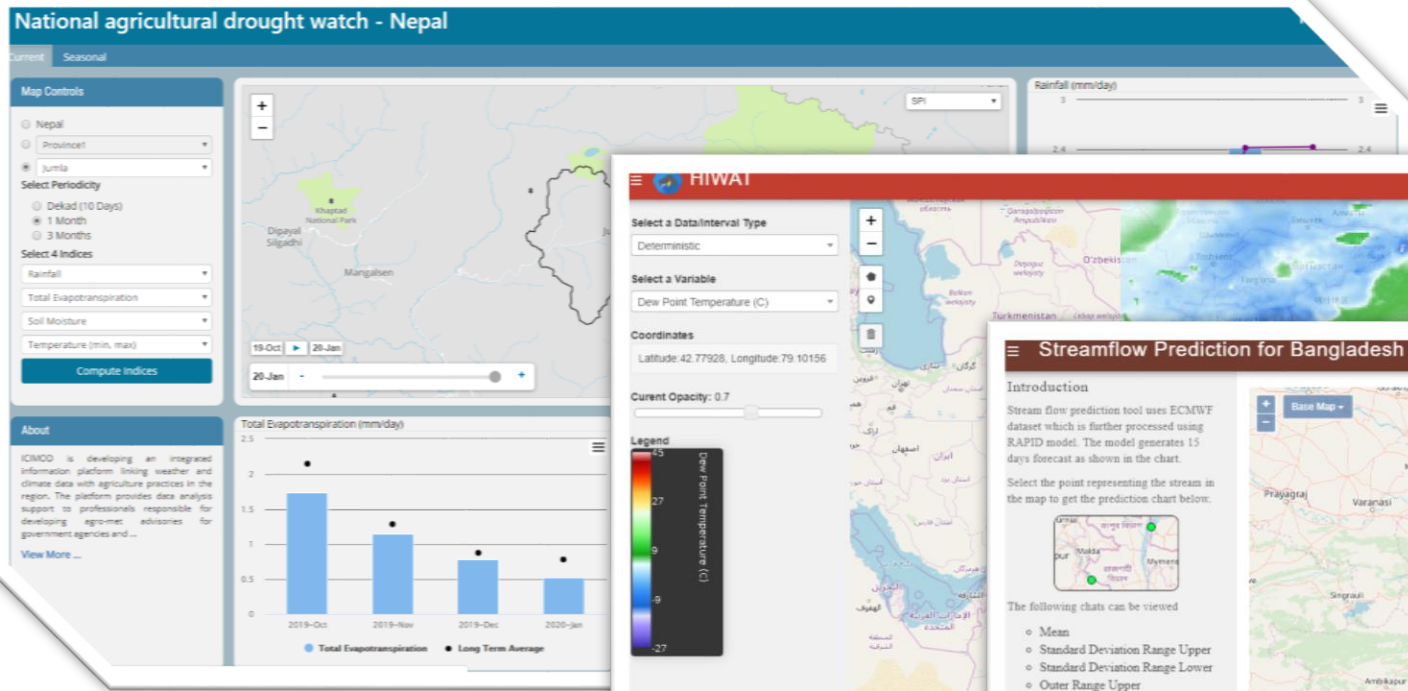


Tethys Powered by Django

django



Tethys Customizable



Tethys Administration

The screenshot displays the Tethys Platform administration interface. At the top, a blue header contains the Tethys logo and the text 'Tethys Platform', with navigation links for 'Apps' and 'Developer'. The main content area is titled 'Site Administration' and is organized into several sections:

- Authentication and Authorization:** Includes 'Groups' and 'Users', each with 'Add' and 'Change' options.
- Tethys Compute:** Includes 'Clusters', 'Jobs', and 'Settings', each with 'Add' and 'Change' options.
- Tethys Portal:** Includes 'Site Settings' with a 'Change' option.
- Tethys Services:** Includes 'Dataset Services', 'Spatial Dataset Services', and 'Web Processing Services', each with 'Add' and 'Change' options.

On the right side, a 'Recent Actions' panel lists various activities, including 'My Actions', 'General Settings', 'My WPS', and several instances of 'default' services for 'Web Processing Service', 'Dataset Service', and 'Spatial Dataset Service'.

At the bottom of the interface, a blue footer contains the text '© 2015 Your Organization' on the left and 'Powered by Tethys Platform' on the right, accompanied by the Tethys logo.



Tethys Apps Library

The screenshot displays the Tethys Portal Apps Library interface. At the top, there is a blue header with the text "Tethys Portal" and "Apps Library". Below the header, there are several filter tabs: "All", "ECMWF-Streamflow-Prediction", "Drought-Monitoring", "HIWAT-Streamflow-Prediction", and "Hydro-stats-Validation". The main content area features a grid of application tiles. Each tile contains an icon, a title, and a small blue circle with a white 'i' icon in the bottom right corner. The tiles are arranged in two rows. The first row includes: "Streamflow Bhutan", "Streamflow Nepal", "Regional Drought Monitoring System Beta", "Apicenter", and "Watershed Characterization for Afghanistan". The second row includes: "Hydrostats App", "Sidasdataforecast", "Agricultural Drought Watch", "Streamflow Prediction for Bangladesh", "HIWAT Streamflow Nepal", and "HIWAT Streamflow Bangladesh".

Tethys Portal

Apps Library

All ECMWF-Streamflow-Prediction Drought-Monitoring HIWAT-Streamflow-Prediction Hydro-stats-Validation

Streamflow Bhutan

Streamflow Nepal

Regional Drought Monitoring System Beta

Apicenter

Watershed Characterization for Afghanistan

Hydrostats App

Sidasdataforecast

Agricultural Drought Watch

Streamflow Prediction for Bangladesh

HIWAT Streamflow Nepal

HIWAT Streamflow Bangladesh



Tethys Spatial Database

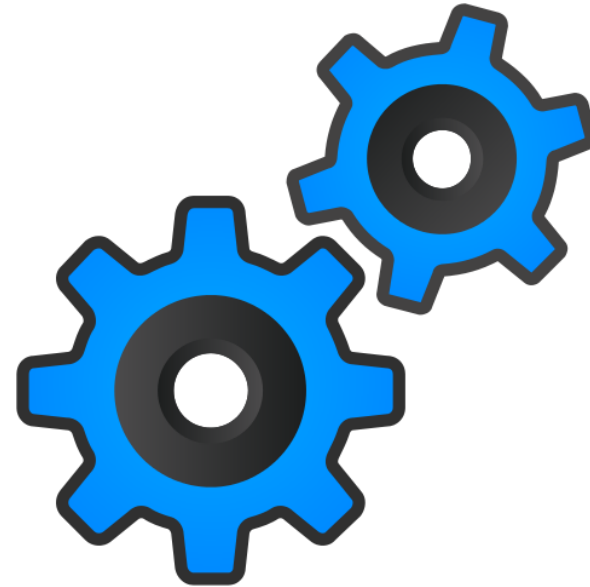


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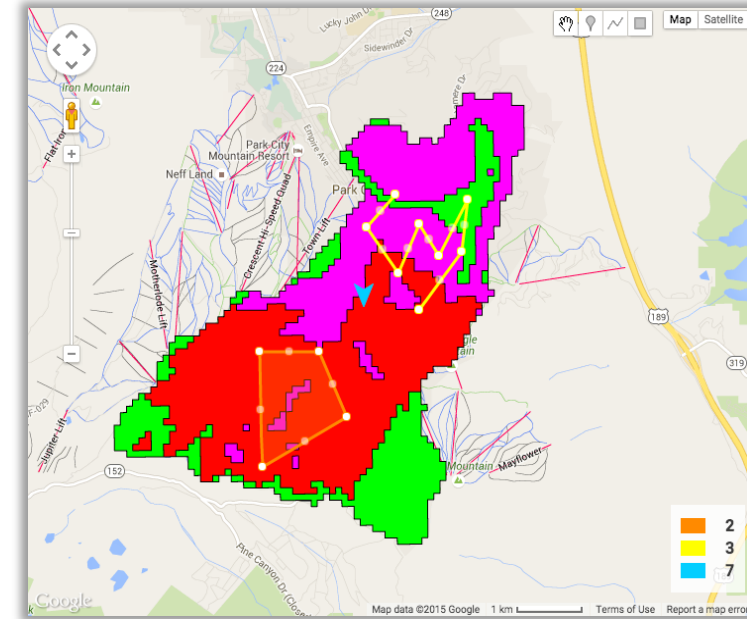
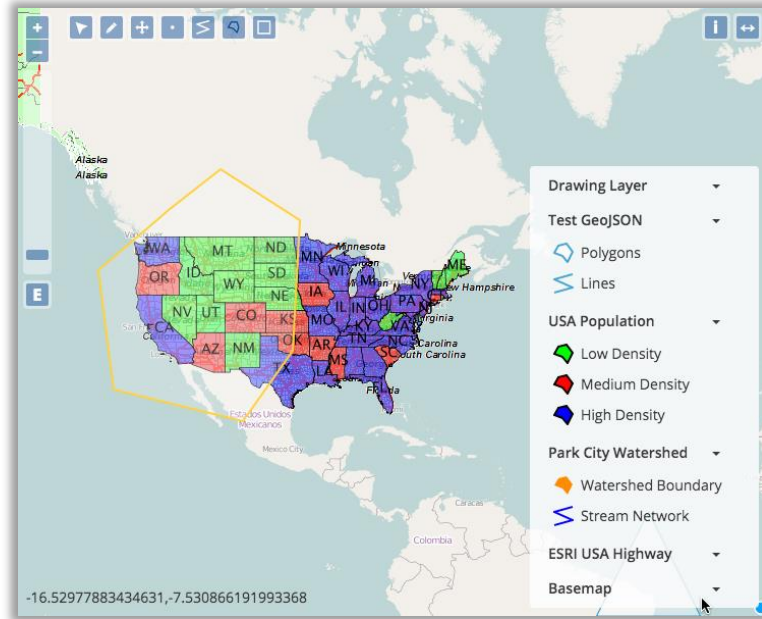
- Integer
- Float
- Double
- String
- Raster
- Geometry
- Geography



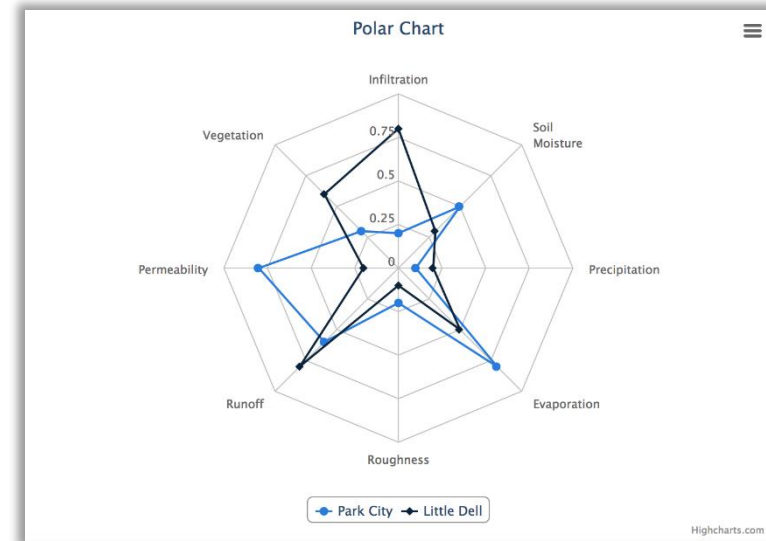
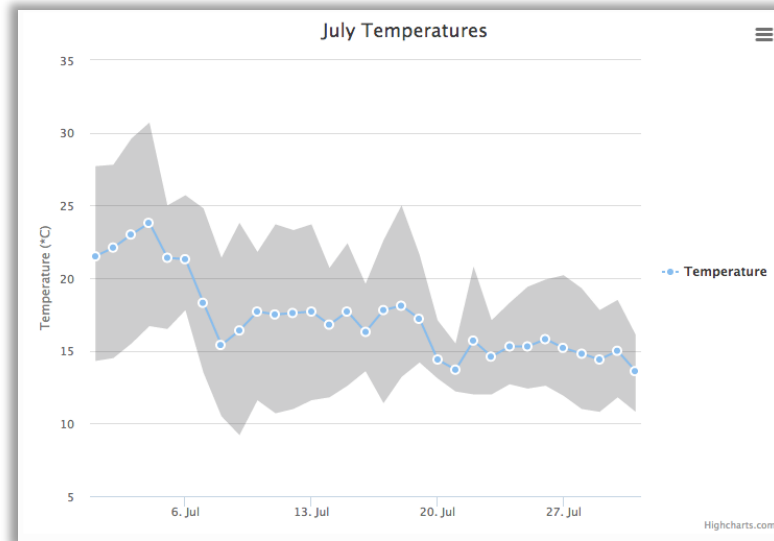
Tethys Geo-Processing



Tethys Spatial Visualization



Tethys Data Visualization



SERVIR HKH Services

1. <http://servir.icimod.org/>
2. <http://tethys.icimod.org/apps/regionaldrought/>
3. <http://tethys.icimod.org/apps/dmlocal/?c=Pakistan>
4. <http://geoapps.icimod.org/rangeland>
5. <http://geoapps.icimod.org/landcover/>
6. <http://tethys.icimod.org/apps/hiwatnepal/>
7. <http://tethys.icimod.org/apps/hiwat/>
8. <http://rds.icimod.org/>
9. <http://tethys.icimod.org:7000/thredds/catalog.html>



Thank you

Protect the pulse

