# GPRA Issues Data Gathering and Reporting Solution (GIDGRS)

The purpose of tha App is to facilitate the automated generation of issues information for the GPRA team.

There are 3 modules/components served by a database:

A diagram of data flow

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**1, Data gathering module**

Onlne content retreival using available API – NewsAPI. Data is available from various website sources going back several years.  
Content is extracted using python libraries to pull and process data from the URLs extracted from NewsAPI.

**2, Data analysis module**

Robust LLM mode (eg ChatGPT) is used to further process the content. Relevant domain and country specific information is extracted and stored in the database (SQLite)

The analysis of the content is based on Geoeconomics, Politics, Environment, Social situation, Technology and Other considerations .

**3, Data explorer module**

This is the user interface that provides access to the database. Users are able to interogate the information through preset filters composed of dropdowns and check boxes.

**There are 2 views in the explorer module:**

1, The issues view

A screenshot of a computer

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2, The articles view.

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There is also a section for initiating the gathering and analizing online content for a specified date.