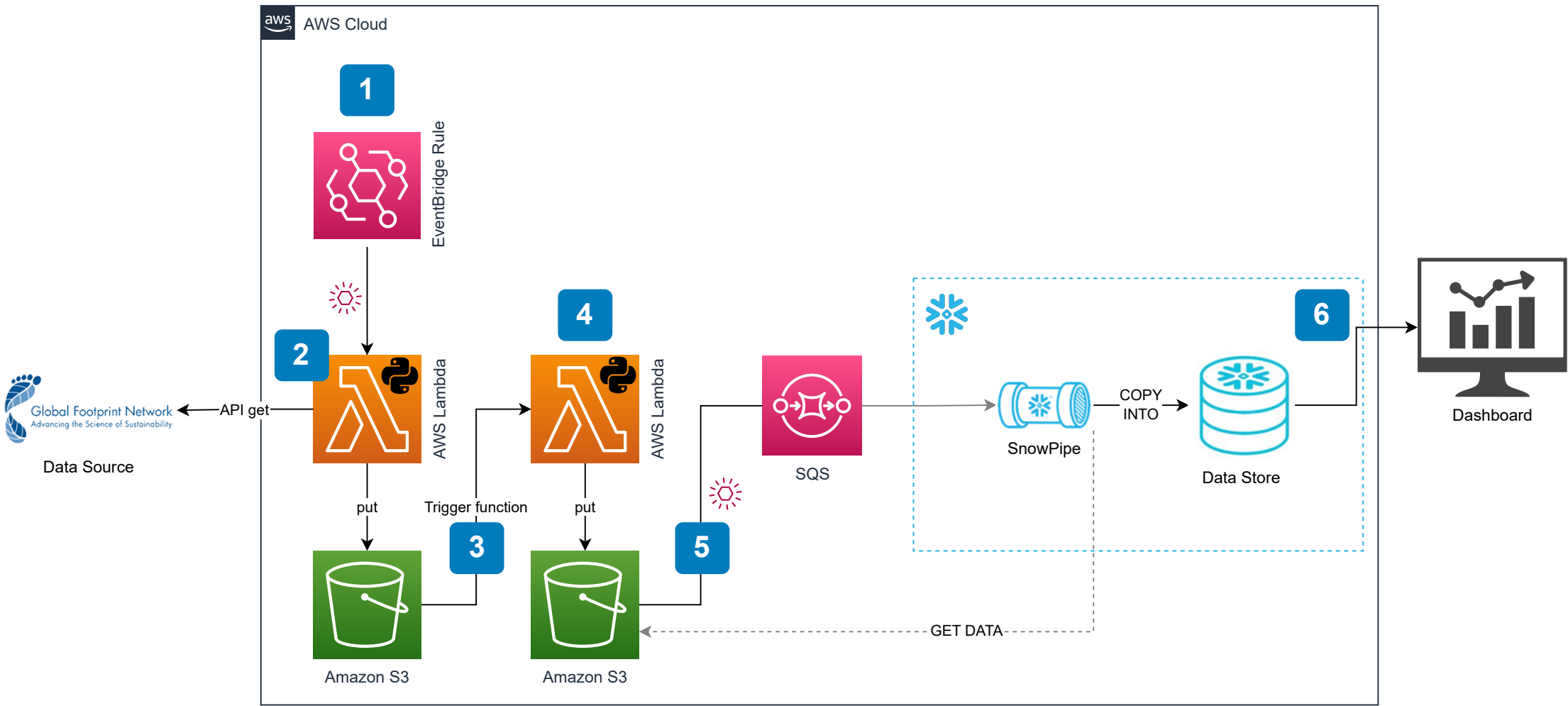


Carbon Footprint data

Allow users to build a dashboard displaying the carbon footprint evolution by country since 2010, based on the data provided by the Global Footprint network.



- 1** Schedule a Lambda for weekly execution using EventBridge scheduler.
- 2** Load data from the **Global Footprint Network**, using their provided API. **AWS Lambda** running **Python** code for API Call with **JSON** output. Store the raw data in an **Amazon S3** bucket.
- 3** Trigger ETL **Lambda** on S3 put event.
- 4** Transform the data in an **AWS Lambda function** and load transformed data to another **S3 bucket**, in **CSV** format ready to be fetched by **SnowPipe** for ingestion into Snowflake Data Store.
- 5** Send an **SQS Event notification** for pipe to know there are new files to copy into Data Store.
- 6** Automated data ingestion with **SnowPipe**. Upon receiving the SQS notification, **fetch** the added data (External S3 stage) and **Copy Into Snowflake** Data Store.