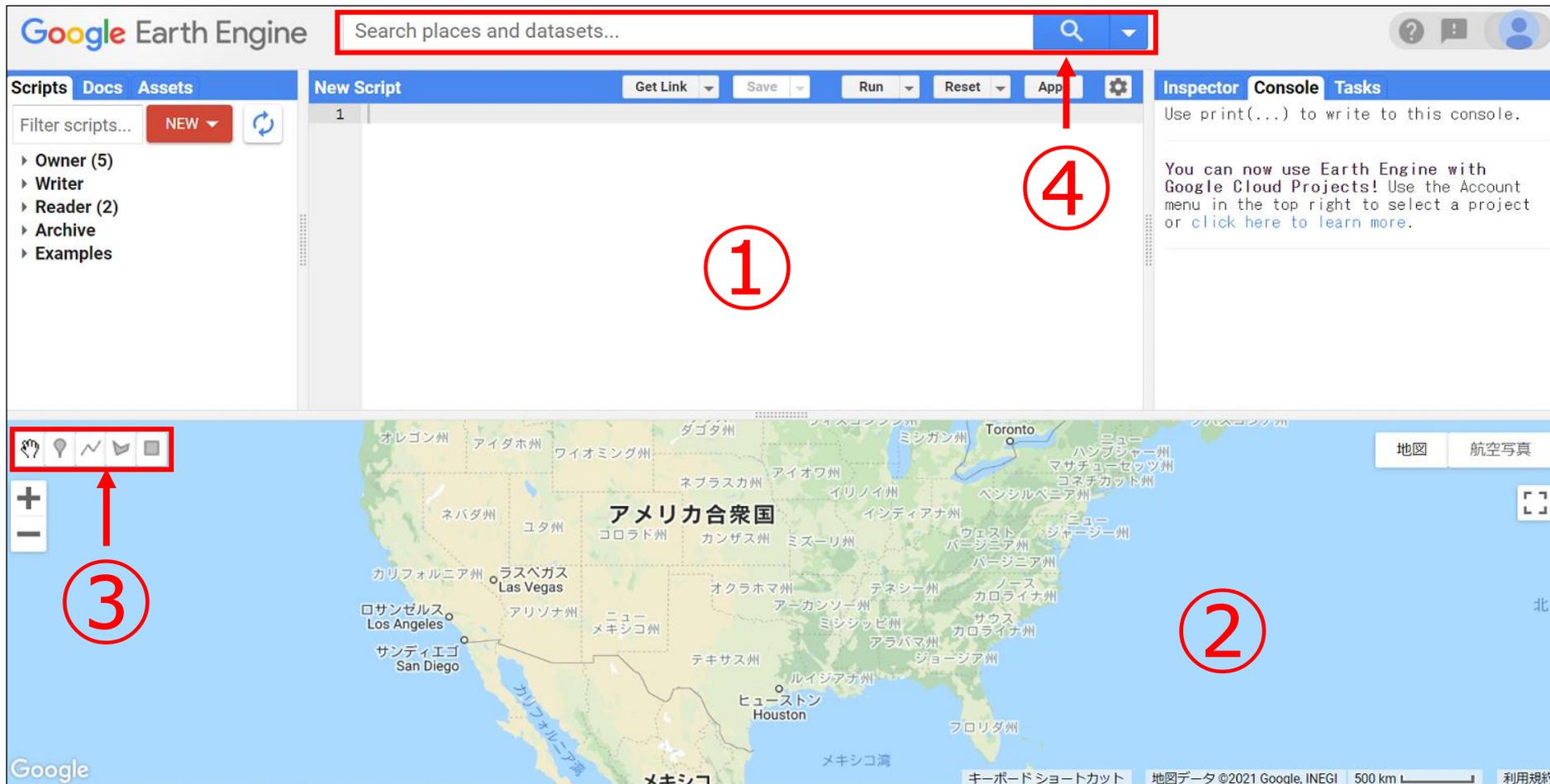


# Introduction of the Basic Handling of Satellite Data (Nighttime Light Data) — Advance Preparation —

# Advance Preparation

- To facilitate the operation introduced here, the following preparations are required prior to participation:
  1. Register with Google Earth Engine
    - Registration may take several days; therefore, early registration is recommended.
  2. Review the Google Earth Engine main screen
  3. Download administrative boundaries data (two countries)
- The second and third tasks are explained on the subsequent slides.

# Google Earth Engine (GEE) Main Screen 1/2



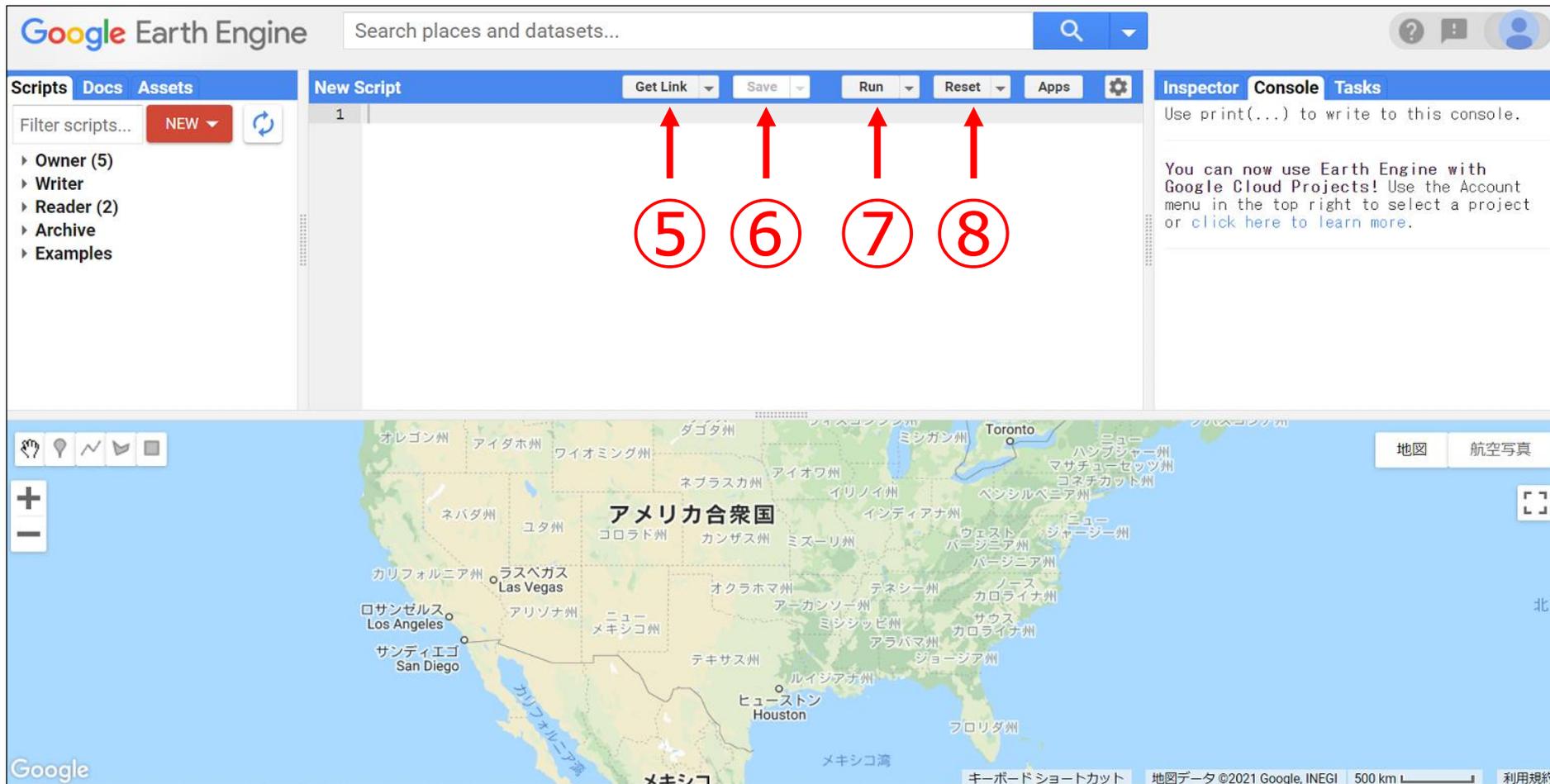
① Code editor: Where you write the code

② Map: Where the satellite data is displayed

③ Geometry tool: Tool used to draw points, lines, and figures on the map

④ Search field: Where you enter text to search to find satellite data stored in GEE

# Google Earth Engine (GEE) Main Screen 2/2



⑤ Get Link: Generates a link for sharing the code with other people

⑥ Save: Saves the program/script written

⑦ Run: Runs the program/script written (alternatively, press Ctrl + Enter.)

⑧ Reset: Deletes the program/script written

# Downloading Administrative Boundaries Data

- This introduction also covers how to handle administrative boundaries data, as well as nighttime lights data.
- You will need the administrative boundaries data for **two countries**, one for the course and the other for exercise, which you should obtain from the Humanitarian Data Exchange, which is run by the United Nations Office for the Coordination of Humanitarian Affairs (OCHA).
- In this course, you will use the Vietnamese administrative boundaries data.
  - Download `vnm_adm_gov_20201027_shp.zip` from [here](#) (contains country, province, and district data).
- For the exercise, download the administrative boundaries data of the country of your choice.  
It is recommended that you avoid countries with a large number of governments (such as the Philippines).