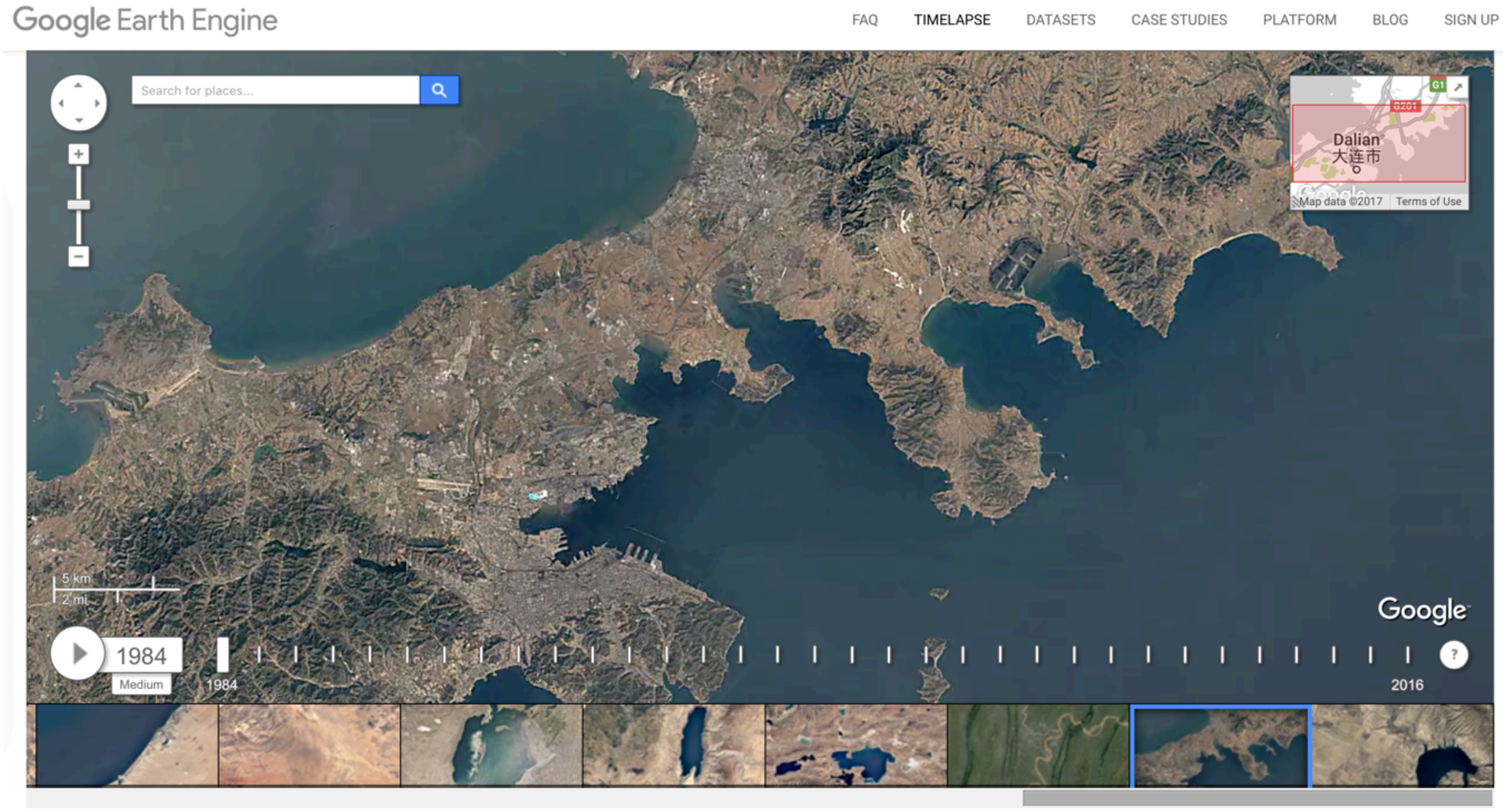
Monitoring long-term changes

querying global data



Better physics for coastal dynamics

Sediment transport

- Sediments are moved about more in **shallow water** than in deep water:
  - surface waves can affect the sea-bed
  - tidal currents are stronger in shelf seas than in the open ocean, due to increased tidal ranges

- Sediment transport and deposition are also more easily studied in shallow water **but the principles governing these processes are as valid in the deep ocean as they are in any estuary or beach or anywhere else where there is moving water!**