Underneath Lombok

Shake intensity

Weak Light Moderate Strong Very strong

Java Sea

Epicentre
Magnitude 7
Depth of 31km

July 29
Magnitude 6.4

Gili islands
About 4,600
tourists evacuated

BALI

Ubud

Denpasar

Seminyak

International
airport

Pemenang

LOMBOK

Mataram

International
airport
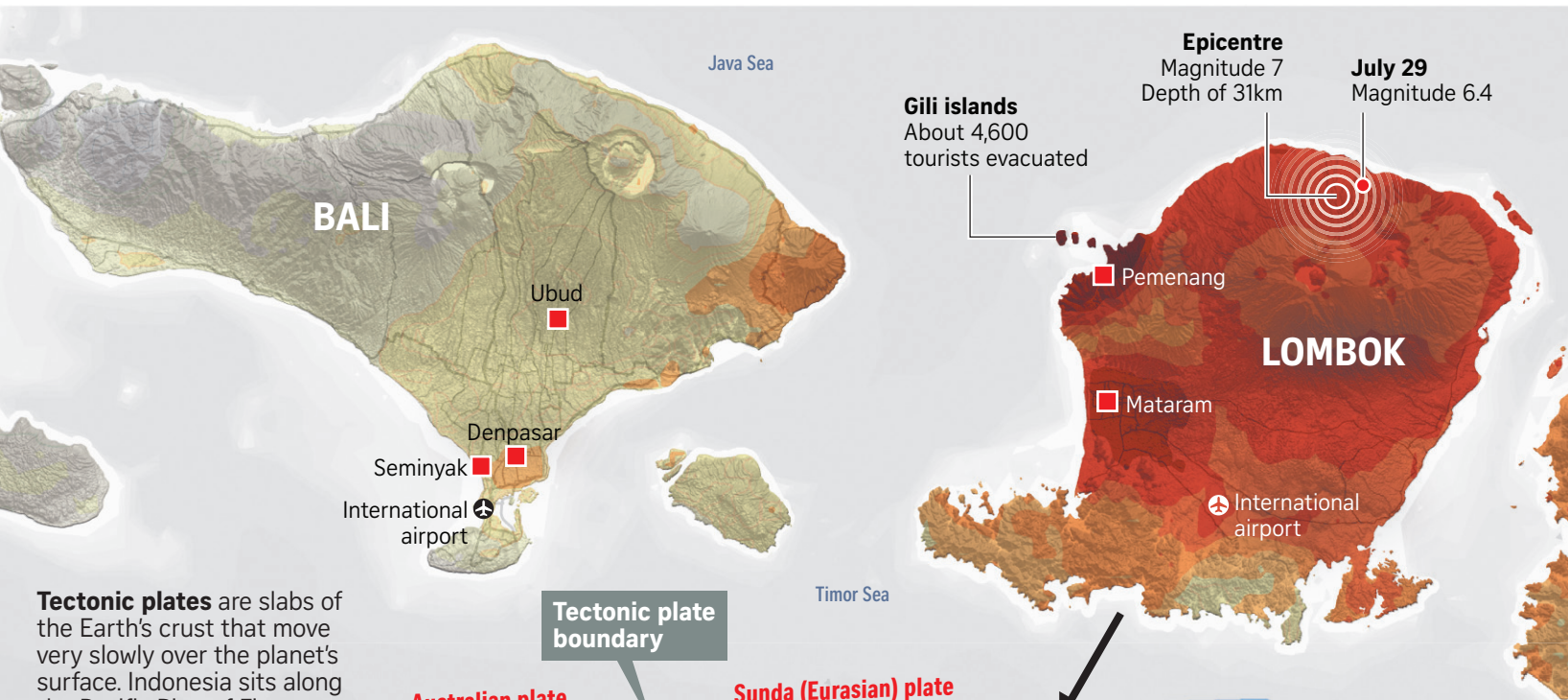
Timor Sea

Tectonic plates are slabs of the Earth's crust that move very slowly over the planet's surface. Indonesia sits along the Pacific Ring of Fire, where several tectonic plates collide and many volcanic eruptions and earthquakes occur. The latest earthquake occurred along the Java-Sumatra subduction zone, where the Australian tectonic plate moves underneath Indonesia's Sunda plate.

Tectonic plate boundary

Australian plate

Sunda (Eurasian) plate

NORTH

Continental crust

Continental lithosphere

Oceanic crust

Subducting oceanic lithosphere

Magma

Asthenosphere

Asthenosphere

Tectonic plate boundary

Sunda (Eurasian) Plate

INDONESIA

Jakarta

Australian Plate

AUSTRALIA