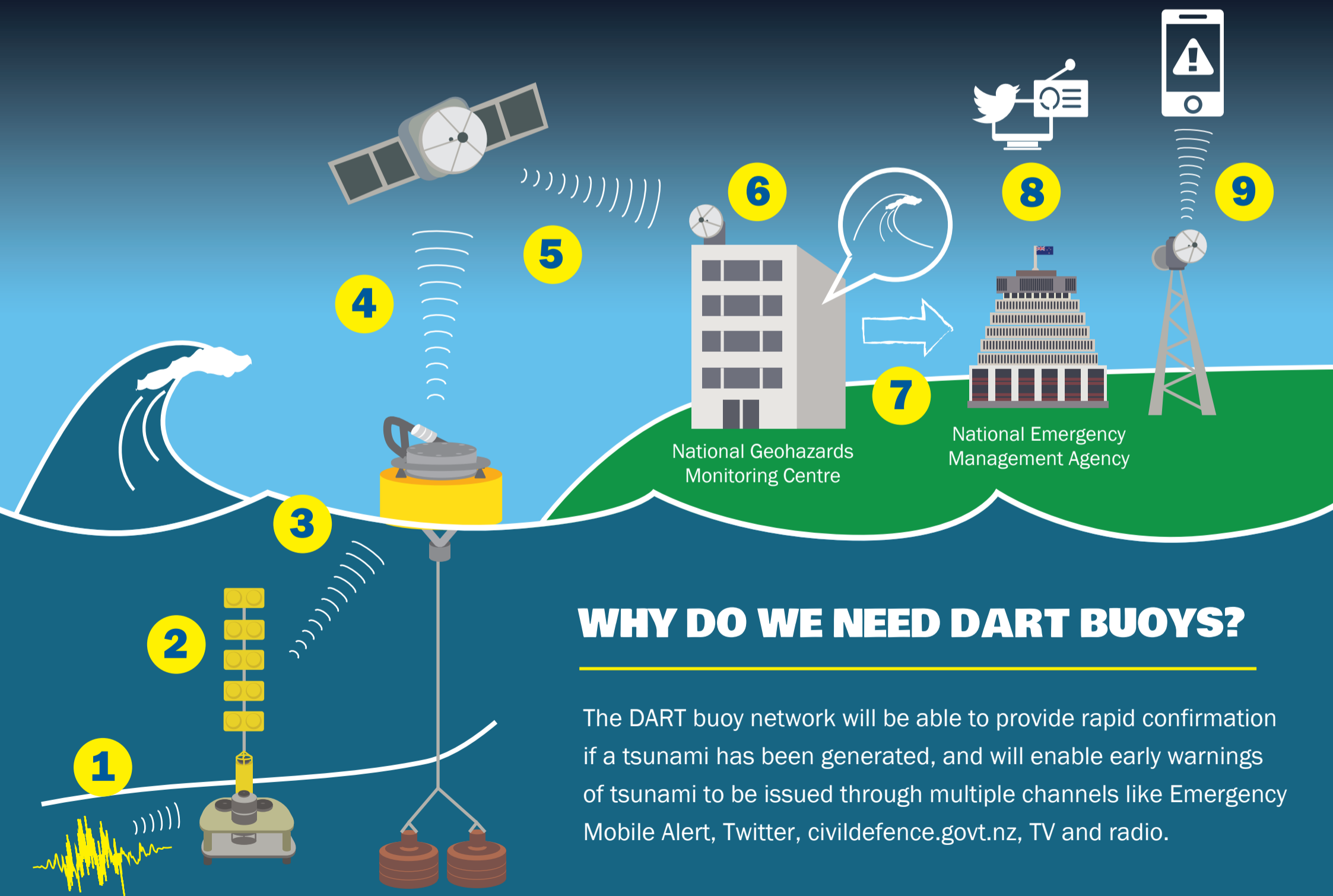


HOW DO DART BUOYS WORK?

- 1** An undersea event (earthquake, volcanic eruption, landslide) occurs.
- 2** A sensor on the ocean floor detects significant changes in water pressure.
- 3** The data is sent by acoustic signal to a buoy on the surface.
- 4** The buoy sends the signal to a satellite.
- 5** The signal is sent to the 24/7 National Geohazards Monitoring Centre based in Lower Hutt.
- 6** Geohazard experts analyse the data.
- 7** If a tsunami has been detected, the National Geohazards Monitoring Centre will notify the National Emergency Management Agency.
- 8** The National Emergency Management Agency will issue a tsunami warning directly to the public via their website and Twitter and to CDEM Groups, emergency services and media.
- 9** If the tsunami is expected to inundate (flood) land areas, an Emergency Mobile Alert will be sent to all capable mobile phones in the affected areas.



WHY DO WE NEED DART BUOYS?

The DART buoy network will be able to provide rapid confirmation if a tsunami has been generated, and will enable early warnings of tsunami to be issued through multiple channels like Emergency Mobile Alert, Twitter, civildefence.govt.nz, TV and radio.

The DART buoy network will also enable us to provide early confirmation when an earthquake has NOT generated a tsunami.