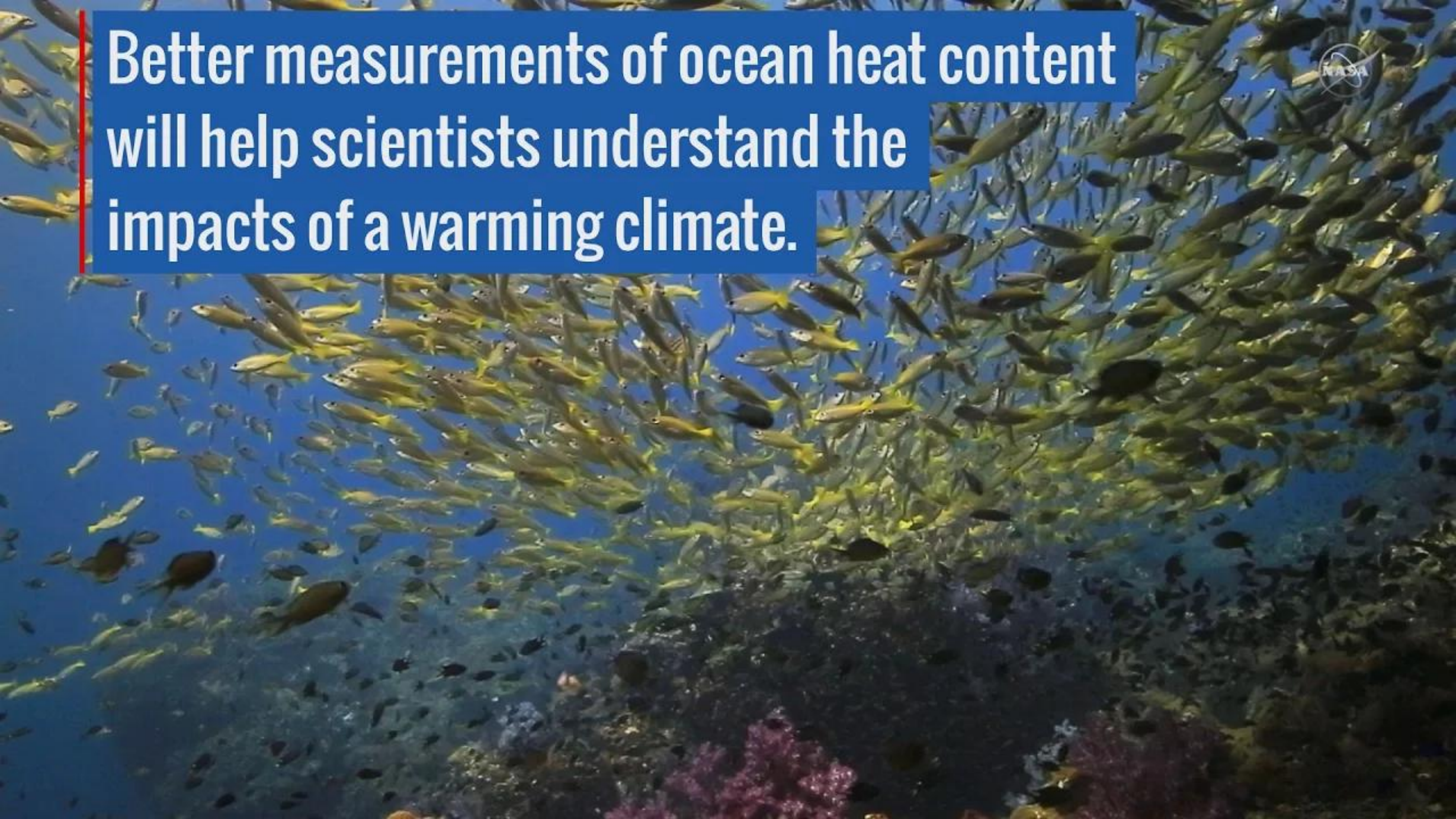


Better measurements of ocean heat content will help scientists understand the impacts of a warming climate.



1
00:00:00,000 --> 00:00:00,830
[ocean wave sounds]

2
00:00:00,850 --> 00:00:05,000
The oceans are absorbing extra heat

3
00:00:05,020 --> 00:00:07,180
as the planet warms.

4
00:00:07,200 --> 00:00:12,580
But exactly how much heat is difficult to measure.

5
00:00:12,600 --> 00:00:16,080
NASA scientists are developing a new method

6
00:00:16,100 --> 00:00:19,030
based on Earth's magnetic field.

7
00:00:19,050 --> 00:00:21,350
Water conducts electricity,

8
00:00:21,370 --> 00:00:26,430
so as the ocean tides cycle,

9
00:00:26,450 --> 00:00:30,020
they push and pull on the magnetic field,

10
00:00:30,040 --> 00:00:35,780
providing information on ocean temperatures.