

EARTH SYSTEM OBSERVATORY



1

00:00:05,205 --> 00:00:08,641

For more than 50 years, NASA has been collecting

2

00:00:08,641 --> 00:00:13,480

and providing data on Earth's land, water, ice and atmosphere.

3

00:00:14,280 --> 00:00:17,250

Now, a new era of Earth Science has begun.

4

00:00:18,118 --> 00:00:22,255

Together with international partners, NASA will launch the SWOT mission

5

00:00:22,322 --> 00:00:26,326

to provide the first ever global survey of Earth's surface water,

6

00:00:26,526 --> 00:00:30,463

the oceans, lakes and rivers that affect all of us.

7

00:00:31,231 --> 00:00:34,401

But we also need to understand our planet as a complex whole.

8

00:00:35,068 --> 00:00:38,571

That's why NASA will launch a fleet of state-of-the-art satellites

9

00:00:38,738 --> 00:00:41,207

forming the Earth System Observatory,

10

00:00:41,207 --> 00:00:44,310

which will create a comprehensive 4D view of Earth

11

00:00:44,310 --> 00:00:47,380

from bedrock to atmosphere like never before.

12

00:00:48,014 --> 00:00:51,518

The Earth System Observatory will arm us with crucial data

13

00:00:51,785 --> 00:00:55,288

to help us address climate change and protect our communities.

14

00:00:56,022 --> 00:00:59,626

But how do we get this critical information to the people who need it?

15

00:01:00,260 --> 00:01:02,762

Introducing the Earth Information Center.

16

00:01:03,496 --> 00:01:07,233

NASA, working with our federal partners, will equip decision makers

17

00:01:07,233 --> 00:01:09,235

with the information they need

18

00:01:09,235 --> 00:01:12,405

to mitigate, adapt and respond to climate change.

19

00:01:12,972 --> 00:01:15,809

We will create a greenhouse gas monitoring system

20

00:01:15,942 --> 00:01:18,244

and make data about our changing planet

21

00:01:18,244 --> 00:01:20,480

accessible to those who need it most.

22

00:01:21,381 --> 00:01:23,550

New satellites observing in the sky

23

00:01:23,550 --> 00:01:26,386

and an information center here on Earth,