Collaboration in the New Normal: Building Resilience for Individuals, Communities, and Nations

Ryan Lanclos, Director of Public Safety
Industry Solutions, Esri

Keynote Presentation

esri

The New Normal

The cost of the New Normal…

2018 in the United States

$91 billion USD

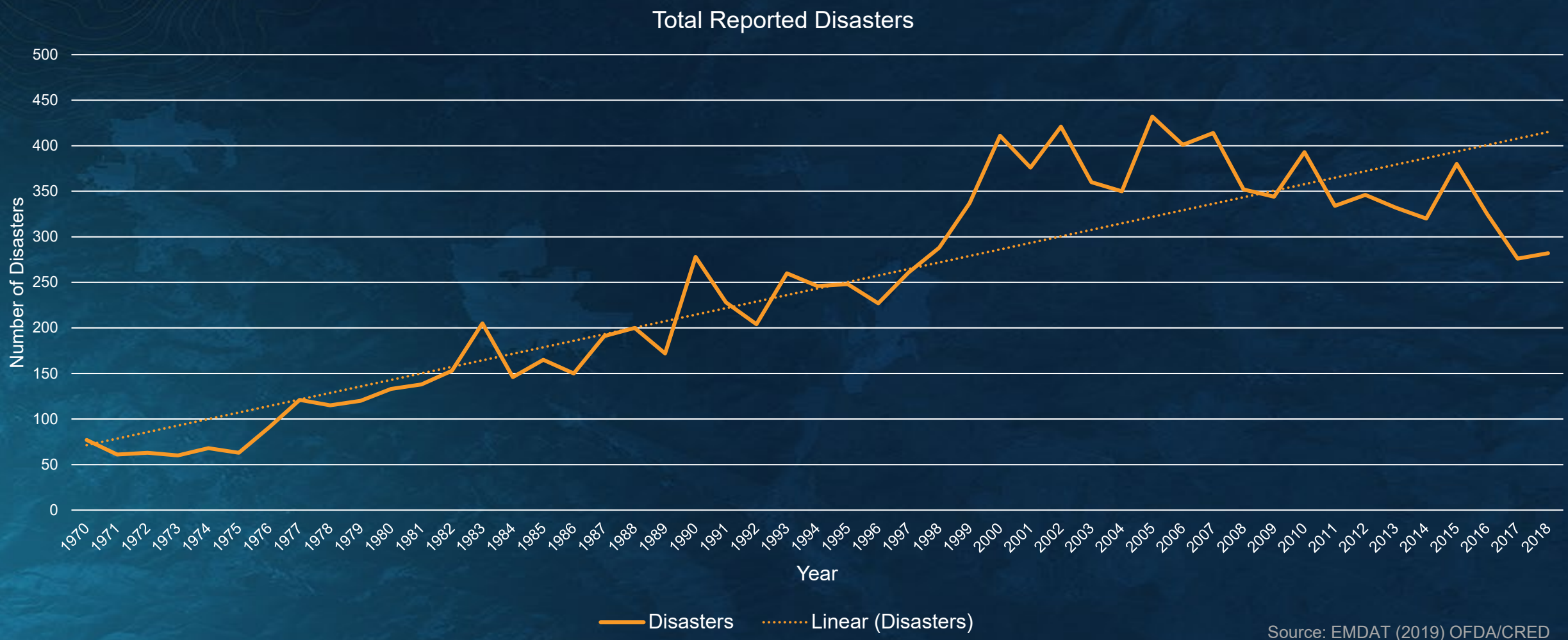
80% from 3 events

$24 billion USD for wildfires

$1.6 trillion USD since 1980

Life in the New Normal

The trend continues upwards



Source: EMDAT (2019) OFDA/CRED

The war on Southern California smog is slipping. Fixing it is a $14-billion problem

By TONY BARBOZA and RAHUL MUKHERJEE JUL 01, 2019 | 3:00 AM

Air quality has slipped in recent years, and regulators are falling far short of raising billions they say is needed to clean ozone pollution in time to avoid tough economic sanctions. Here, smog hangs over downtown Los Angeles in 2018. (Wally Skalij / Los Angeles Times)

The war on smog has been called one of America's greatest environmental successes. Decades of emissions-cutting regulations under a bipartisan law — the 1970 Clean Air Act — have eased the choking pollution that once shrouded U.S. cities. Cleaner air has saved lives and strengthened the lungs of Los Angeles children.

But now, air quality is slipping once again.

Record-smashing heat wave bakes Alaska, worsening wildfires

Doyle Rice, USA TODAY Published 12:05 p.m. ET July 1, 2019 | **Updated 4:17 p.m. ET July 1, 2019**

People cool off in Wasilla Lake in Wasilla, Alaska, on June 14, 2019. *(Photo: Mark Thiessen, AP)*

The Pace of Change Is Accelerating

Creating Many Challenges

Threatening Our Natural World

and Our Future as Humans

We Are Now at a Place
Where No Humans Have Been . . .

We Need More Understanding

. . . Collaboration and

. . . Action

“If I had to select one sentence to describe the state of the world, I would say we are in a world in which global challenges are more and more integrated, and the responses are more and more fragmented, and if this is not reversed, it’s a recipe for disaster.”

António Guterres
United Nations Secretary-General
speaking at the World Economic Forum, January 2019

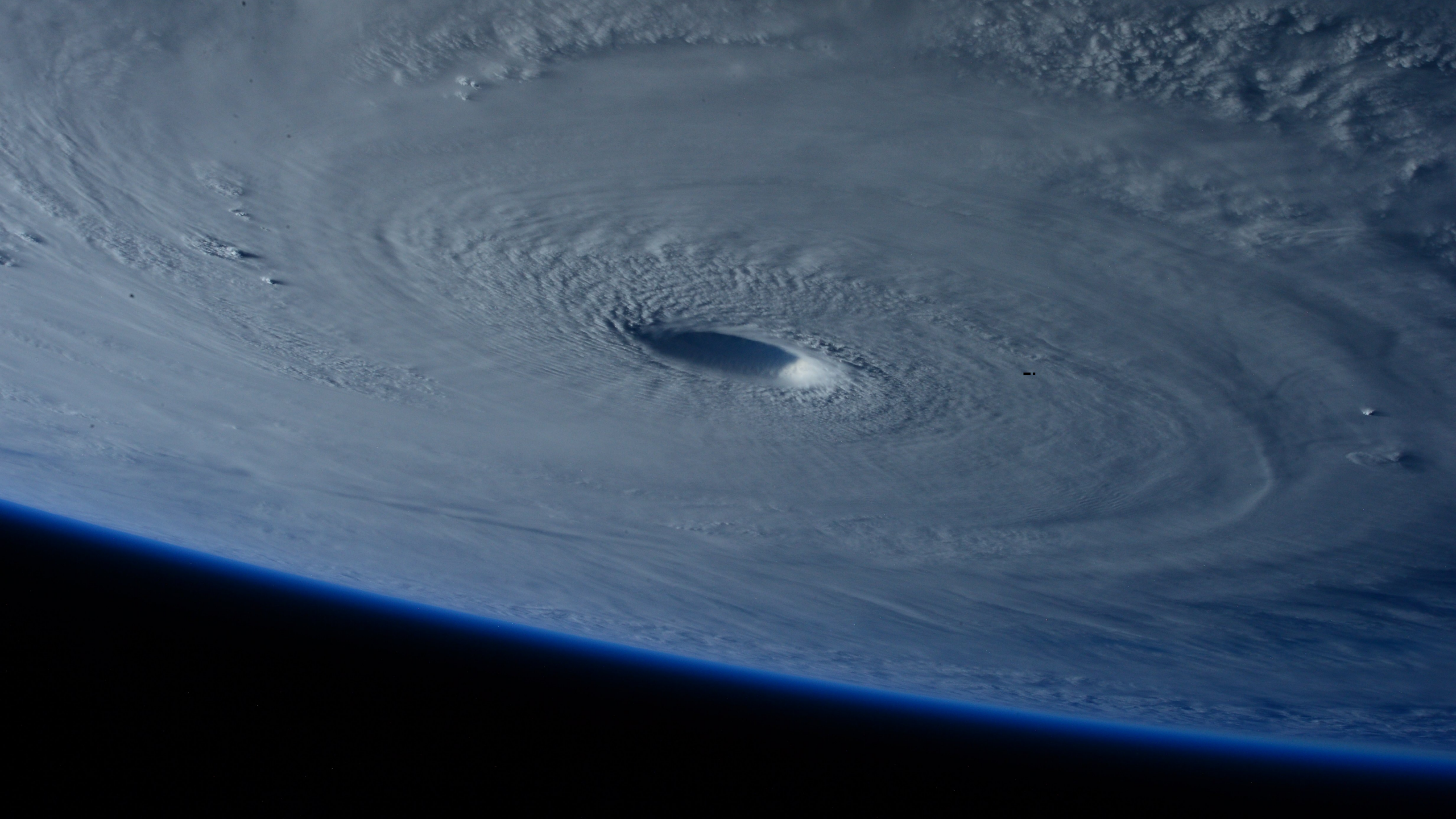
Collaboration in the New Normal

Building resilience for individuals, communities, and nations.

resilience

Noun

1. the capacity to recover quickly from difficulties; toughness.



DEERE
ROAD CLOSED
CHEMIN FERMÉ

CREDIT: SAUMYA KHANDELWAL

Resilience is “the capacity of individuals, communities, institutions, businesses, and systems within a city to survive, adapt, and grow no matter what kinds of chronic stresses and acute shocks they experience.”

Rockefeller Foundation
100 Resilient Cities