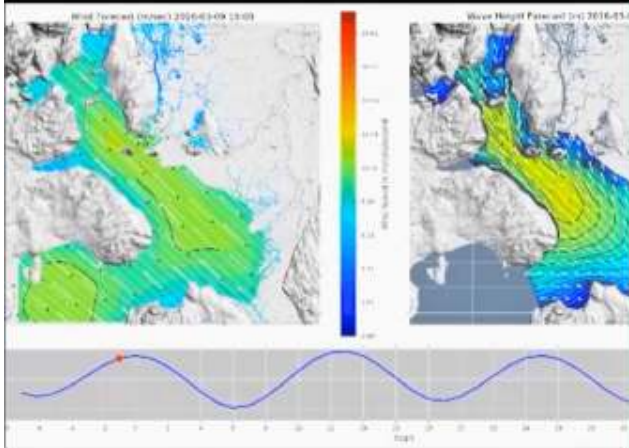


USGS: 21ST
CENTURY
SCIENCE

A digital representation of Earth, showing the planet's surface with a network of white lines and dots overlaid, suggesting a digital model or data network. The background is dark blue with stars.

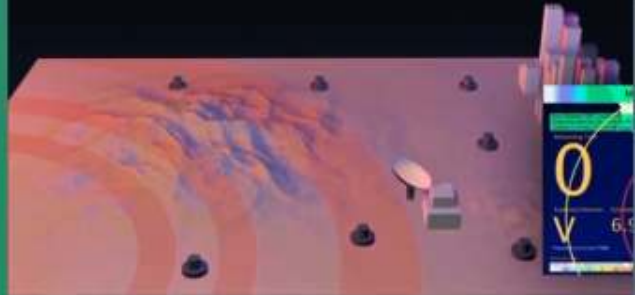
**The vision:
to create a
real-time digital model
of the Earth**

earth monitoring



analyses

projections



**This model will integrate
data from USGS and
partners including**





NOAA

USDA





NASA

EPA





NIH



Universities

**state
and local
governments**



**International
Programs**





Tribes



**and the
private
sector**

earthMAP



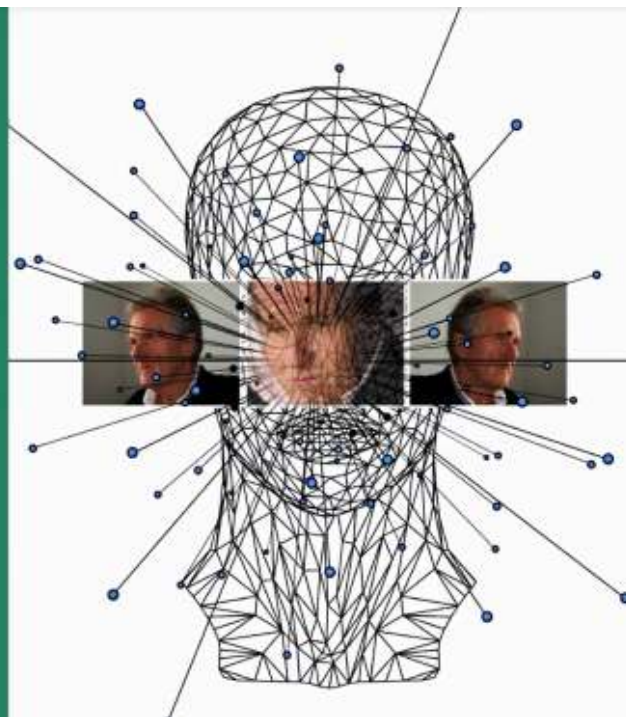
using 21st century
tools such as

AI



Robotics

Machine Learning



Drones



Autonomous Vehicles

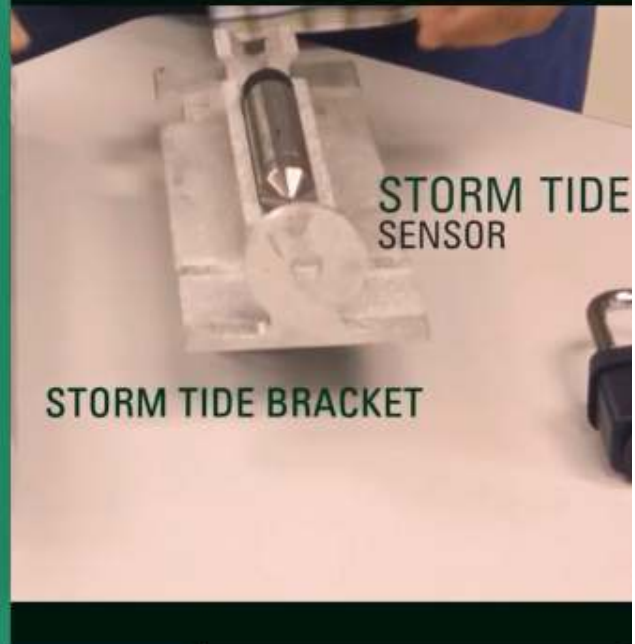
Biotechnology





Internet of Things (IOT) and Internet of Actions (IOA)

Advanced Sensors





**Virtual
Reality**

**Edge
Devices**





Smart Spaces

High-Performance Computing





Blockchain



Helping communities make informed decisions on...





