RMS is the global leader in catastrophe modeling for the insurance and financial industries.
Hurricanes and wildfires cause high losses
Global losses from natural disasters in 2018

Overall losses:
US$ 160bn

Insured losses:
US$ 80bn

- Meteorological: 58%
- Climatological: 20%
- Hydrological: 14%
- Geophysical: 8%

Source: Munich Re NatCatSERVICE
FLORIDA HAS $3T AT RISK
The RMS-HWind team is in Tallahassee Florida
HWIND: WHAT IS IT?

A state of the art system for real-time hurricane analysis

Gather Observations → Standardize → Database → QC → Analyze → Products
HWind originated at HRD with JHT and other support

R2O didn't happen
With help from


R2B in 2014

Acquired by RMS
Oct. 2015
OBSERVATIONAL PLATFORMS

- Aircraft
  - 53rd Hurricane Hunter C130s (sondes, sfmr, FL data)
  - NOAA P3s (sfmr, sondes, airborne Doppler radar, FL)
  - UAVs
- Surface
  - NDBC Buoys and C-MAN stations
- Remote sensing
  - ASCAT
  - SMAP
  - CYGNSS
  - SAR
FORECASTING

- Multi model forecasts
- Regional models
- Ensemble models
- Intensity and rapid intensity prediction schemes
- Continued investment in development and validation against observations is critical
Observations lead the way!

We need continued investments in air and space borne platforms

Cutting edge data to map global storm impacts

NOAA P3  C130  UAVs

SMAP

CYGNSS

SAR