Hurricane Power Outage Prediction
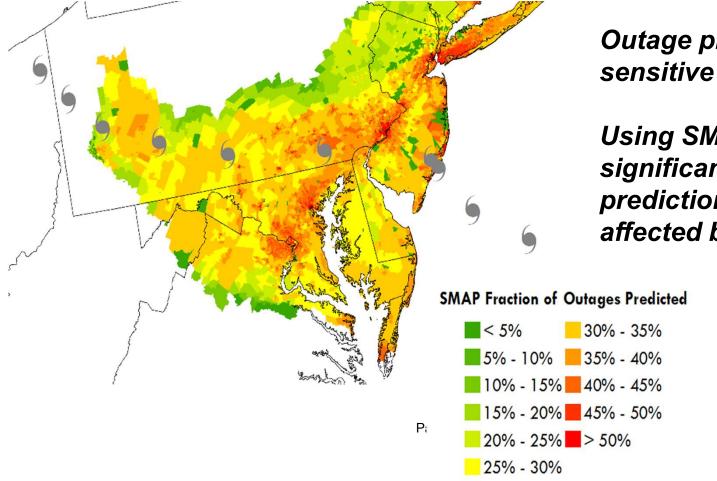
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Prediction of Power Outages for Sandy Wind Field
With modeled soil moisture: 15,989,091 people affected
With SMAP soil moisture: 16,327,051 people affected

Outage predictions are sensitive to soil moisture.

Using SMAP data has a significant impact on predictions of people affected by outages.

SMAP Fraction of Outages Predicted

■ < 5%	■ 30% - 35%
■ 5% - 10%	■ 35% - 40%
■ 10% - 15%	■ 40% - 45%
■ 15% - 20%	■ 45% - 50%
■ 20% - 25%	■ > 50%
■ 25% - 30%	