SMAP **Soil Moisture Active Passive**

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For 3 years, every 3 days, 2 instruments will provide global measurements of soil moisture and its freeze/thaw state.





Why do we care?

Soli moisture impacts:

- Weather
- Seasonal Forcasting
- Drought
- Climate Change
- Disease Control
- Water Cycle
- Foods



What will it do?

With only 1 radar, 1 radiometer, and 1 twenty foot spinning antenea, SMAP will answer:

1. How wet the Earth is?

2. How much earth is frozen?



National Aeronautics and Space Administration



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When will it launch?

When: NET January 29, 2015 Where: Vandenberg AFB, CA How: Delta II Rocket



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