Colorado Fire Prediction System
CO-FPS

Development Updates
Jim Cowie/NCAR

CO-FPS Stakeholder Meeting
13 Nov 2017
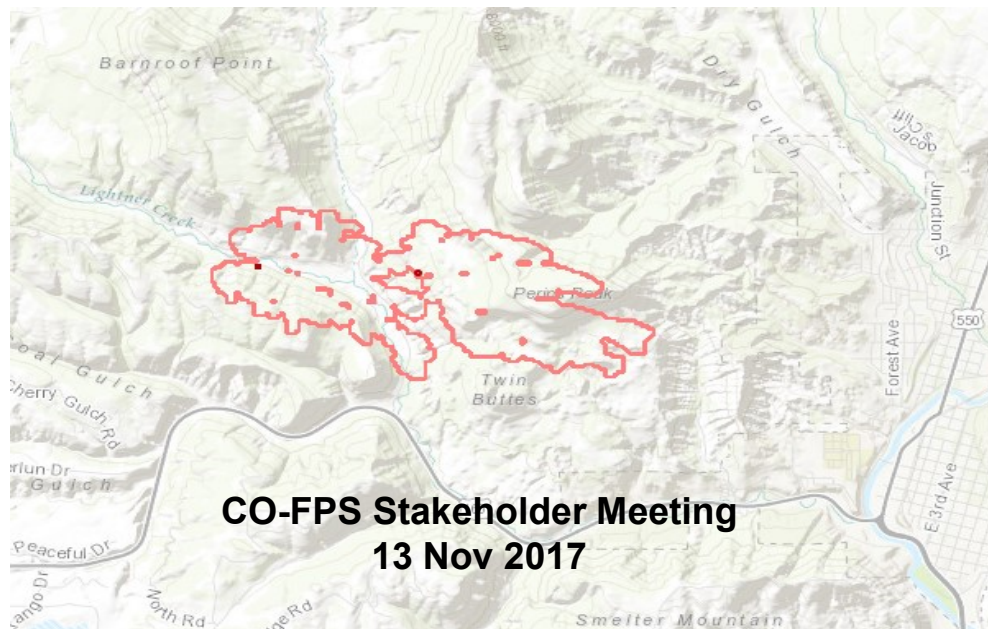
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New Variables in Simulations

- Temperature, RH
- Data may not change much across domain
- May look monochromatic

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Time Zone Support

- Local time with time-zone name
- Can select from US time zones
- Defaults to Mountain time
- HRRR wx products assume Mountain time
- TZ name appears in time string label
- Standard and daylight time support

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Training Case Function

- Cases are started from 'Start New Simulation'
- 'Training Weather Scenario' pull-down menu
- Date is pre-filled after selecting case
- (Can also set to real-time)
- Completed training simulations appear in 'Training Simulations' list

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Product Publishing Update

- Having a separate published service for each variable of each simulation has not performed well
- Symptom is waiting forever for products to show up
- Experimenting with one service per variable and using a database to separate out by simulation
- Should have more information by next stakeholder meeting

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Other Updates

- Random model crashing problem fixed
- Items that appear in CO-WIMS but not yet functional on CO-FPS server:
  - Comments text box
  - Simulation administration function

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Cloud Hosting Progress

- AWS user accounts in place
- Hosts for simulation management and ArcGIS products should be ready by next stakeholder meeting
- Unidata (UCAR program) maintains live HRRR data on AWS but we have to ensure all the grids are there
- Need to investigate how to effectively start simulations on AWS ('Batch')

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