**BlueSky Tools for S590 – Lesson Plan**

Objectives

* Understand the importance of addressing smoke on wildland fires
* Update on existing Tools available to FBANs and LTANs, including help with smoke dispersion modeling
* How to work with ARAs, including description of the position, major responsibilities and tasks, and how they fit into the IMT organization
* Resources available if there is no ARA on your incident
* How to interpret and use smoke dispersion models
* Comparing monitoring observations and model output

Online Resources

* BlueSky Wildfire Daily Operational Runs
<http://www.airfire.org/data/bluesky-daily/>
* BlueSky Playground – Do your own smoke (PM2.5) modeling
<http://playground.airfire.org/>
* NOAA HYSPLIT (Dispersion and Trajectories)
<http://ready.arl.noaa.gov/HYSPLIT.php>

Additional online tools

* Monitoring report page – NEW [http://smoke.airfire.org/monitoringReport/](http://smoke.airfire.org/monitoring/)
* Smoke values at risk page – in testing [http://smoke.airfire.org/complexityTest/](http://smoke.airfire.org/complexity/)
* “Easy” trajectory page

<http://smoke.airfire.org/trajectories/>

* Ventilation Climate Information System <http://smoke.airfire.org/vcis/>

Activities

* Hands-on: Introduction to the BlueSky Playground
* Hands-on: Introduction to Trajectories