

Incorporating GIS into the Atmospheric Science Curriculum

NCAR GIS Program [BRIGHT](#)E Workshop Series

National Center for Atmospheric Research Foothills Lab 2, Room 1024

Boulder, Colorado

June 24-26, 2015

Agenda

Wednesday, June 24 2015

8:30	Shuttle leaves hotel for NCAR
9:00 – 9:15	Welcome - Lawrence Buja, NCAR
9:15 – 9:20	Workshop goals and agenda - Olga Wilhelmi, NCAR
9:20 – 10:00	Participants Introductions
10:00 – 10:45	Teaching GIS in Atmospheric Sciences programs - Greg Dobson, UNC-Asheville
10:45 – 11:15	Tea/Coffee break
11:15 – 2:00	NCAR GIS Program - Olga Wilhelmi, NCAR
12:00 – 1:00	Lunch on your own (Foothills lab cafeteria)
1:00 – 3:00	Exploring ArcMap and ArcCatalog - Jennifer Boehnert, NCAR and Greg Dobson, UNC-Asheville: GIS lecture and exercise #1
3:00 – 3:30	Tea/Coffee break
3:30 – 5:00	Exploring Spatial Data - Jennifer Boehnert, NCAR and Greg Dobson, UNC-Asheville: GIS lecture and exercise #2
5:15	Shuttle leaves NCAR for hotel

Thursday, June 25 2015

8:30	Shuttle leave hotel for NCAR
9:00 – 9:45	GIS & Atmospheric Models: Overlapping Interests - Andy Monaghan, NCAR
9:45– 10:30	Exploring Spatial Data - Jennifer Boehnert, NCAR and Greg Dobson, UNC-Asheville: Finish GIS exercise #2
10:30 – 11:00	Tea/Coffee break
11:00 – 12:00	Coordinate Systems and Map Projections - Jennifer Boehnert, NCAR and Greg Dobson, UNC-Asheville: GIS lecture and exercise #3
12:00 – 1:00	Lunch on your own (Foothills lab cafeteria)
1:00 – 3:00	Data Symbology and Classification - Jennifer Boehnert, NCAR and Greg Dobson, UNC-Asheville: GIS lecture and exercise #4
3:00 – 3:30	Tea/Coffee break
3:30 – 4:00	Data Symbology and Classification: Finish GIS exercise #4
4:00 – 4:45	Extreme heat and human health: using GIS in an interdisciplinary project - Olga Wilhelmi, NCAR
5:00	Group photo outside Foothills Lab
5:15	Shuttle leaves for hotel

Friday, June 26 2015

8:30	Shuttle leave hotel for NCAR
9:00 – 10:30	Working with NetCDF in ArcGIS - Jennifer Boehnert, NCAR and Greg Dobson, UNC-Asheville: GIS lecture and exercise #5
10:30 – 11:00	Tea/Coffee break
11:00 – 12:00	Map Design & Composition. Resources for teaching GIS - Joseph Kerski (Esri)
12:00 – 1:00	Lunch on your own (Foothills lab cafeteria)
1:00 – 2:30	Cartographic Mapping – Jennifer Boehnert, NCAR and Greg Dobson, UNC-Asheville: GIS lecture and exercise #6
2:30 – 3:00	NCAR/UCAR opportunities for graduate and undergraduate research and education - Laura Allen (SOARS)
3:00 – 3:30	Tea/Coffee break and Group Discussions
3:30 – 4:00	Group discussions continue
4:00 – 5:00	Groups reports and wrap up
5:15	Bus leaves for hotel
