

8:30	Opening Plenary in The Alpine Ballroom			Keynote by Saila Hanninen			
10:00	Morning Break - Light snacks and refreshments						
Track Rm	Aspen Room	Conifer/Evergreen Rooms		Alpine Room 1			
		<i>GIS in Business</i>		<i>GIS Colorado: Your Geospatial Connection</i>			
	10:30	Room unavailable	Trials and Tribulations of Switching to esri's Mobile Apps Will Mast & Scott Ytzen <i>KID - The Knowledge Driven Approach to Extracting the Value from Geo-Data and More</i> Jim Barrett		DRCOG's Regional Planimetric Project: A Case Study of Open Data Driving Innovation Ashley Summers		
			Development of a Low Cost and Easy to Configure Geospatial ETL "Data Workflow" that Can Be Deployed on AWS or Via Docker Deployment Matthew Krusemark		Growth Planning: Improving Local Housing Datasets to Enhance Regional Modeling Dorothy Friday		
			Opioid Use in Larimer County Nina Wickens-Bhowmik				
11:00		Enabling Spatial Data Integration, Collaboration, and Governance Using a Common Geo-Registry Nathan McEachen & Justin Lewis		ZDV-3D: A Modern 3D Visualization and Analysis Tool for Denver Air Route Traffic Control Center Berrett Doman			
11:30	Lunch is available from 12:00p to 1:00p						
CompassData Mobile & Aerial Imagery Mapping Solution for Fast Data Collection - all day outside on patio							
Track Rm		<i>GIS in Conservation</i>		<i>GIS Colorado: Your Geospatial Connection</i>			
	1:00	Room unavailable	Updating the Watershed Boundary Dataset with the WBD Web Edit Application Alexander Kaufman <i>Utah & Colorado Water Resources</i> Margaret Mulhern		Permanent Water Quality Control Measure Survey123 Inspection Report Mobile App George Suresh & Jeremiah Unger		
			A Fractured Landscape: A New Approach to Assessing Connectivity for Wildlife in Colorado Paul Millhouser		Evisoning Redevelopment in Dillon, Colorado Meghan McCloskey-Boydston <i>Integrating UAV-Derived Photogrammetry, LiDAR, and Geomagnetic Data in Weld County</i> Brian Soliday		
			Markup Application for Hydrography Datasets Tatyana Dimascio		<i>GIS Colorado Open Discussion</i> Pete Magee, Moderator GIS Colorado President		
	GIS for Surface Water - Using the National Hydrography Dataset Jeffrey Simley						
2:00	Afternoon Break - Snacks and refreshments while networking with GIS professionals!						
Track Rm		<i>GIS in Conservation</i>		<i>GIS in Emergency Management</i>			
	3:30	Room unavailable	Iceland: A Case Study on Sustainability Jacqueline Zurmuhlen		Updating Maps for Emergency Management Routing Devon Wallis		
			Visualizing Iceland's Vegetation Through NDVI Eric Nussbaumer		Geospatial Information in Emergency Operations Ryan Broughton		
			The Effect of Channel Migration on Riparian Vegetation Along the South Platte River Joshua Rogerson				
			An Introduction to NHDPlus High Resolution Value Added Attributes Ariel Doumbouya & Hayley Thompson				
Mapping the Density of Forest Understorey Vegetation Using Discrete Return Airborne LiDAR Michael Campbell							
4:00	Social Event & Geography Quiz!						

Presentation time slots include Q&A and transition between speakers

The Future of Mobility								
Poster Session from 10:00a to 5:00p in the Upper Mountain View Room - Vote for your favorite poster!								
Track Rm	Alpine Room 2	Alpine Room 3		Alpine Room 4				
	<i>GIS in Government</i>	<i>GIS in Education</i>		<i>Vendor Showcase</i>				
	USGS 3D Elevation Program Carol Lydic	The Meaning Behind a Career as a GIS Professional Esther Worker		Frontier Precision GIS Services to the Rescue! Karissa Giles & David Siddle Frontier Precision				
	The Role of GIS in Developing a Comprehensive Stormwater Infrastructure Master Plan to Inform an Intergovernmental Agreement Denise Magditch & Chris Martin	Denver Street Trees and Road Safety: A Geographic Information Systems Analysis Nicholas Coppola		AdventureSafely - A New Technology for Saving the Lives of Outdoor Recreationalists David Thomas Adventure Safely				
Publishing BLM Data on the Web Jason Frels & Stacey Crowe	Trail Difficulty Per Segment: A GIS Based Analysis of Hiking Trails Lisa Dubas		LiDAR and Point Clouds and Laser Scans, Oh My! Tammy Peterson Solv3D					
Lunch is available from 12:00p to 1:00p								
Hardware and Software Demos Trimble MX7								
Track Rm		<i>GIS in Government</i>		<i>GIS in Education</i>		<i>Vendor Showcase</i>		
	1:00	Room unavailable	What a Relief: Designing Multi-scale Terrain Representation for The National Map Elaine Guidero		Car Racing with Collector Elizabeth Tulanowski		GIS Ascends to New Heights with Cityworks Christine Christensen & Reece Hanzon Cityworks	
			Prioritization Modeling Lancaster County, PA TIP Prioritization Aron Langley		GIS Watershed Delineation and Morphometric Analysis of the Upper Vltava River in the Czech Republic Shannon Jones		What Can Frontier Precision's Geospatial Experts Do for You? David Siddle Frontier Precision	
			Historical Topographic Map Collection Brian Collinge		sUAS Data for a Particular Riparian Extent Holly Wilkie		Helping Construction from Above - Unmanned Systems Pave the Way for Renewable Energy Progression Daryl Southard Juniper Unmanned	
	A New Approach to Boundary Labels in U.S. Topo Products Utilizing Auto-Labels Bethany Walker		Agent-based Modeling of Shared Electric Vehicle Patterns Stefania Mitova		Sharing Spatial Data Freely Ian Isaacs Boundless			
Poster Session in the Upper Mountain View Room - Meet the poster presenters during the break!								
Track Rm		<i>GIS in Government</i>		<i>Professional Panel</i>		<i>Vendor Showcase</i>		
	3:30	Room unavailable	Leveraging GIS for Homeless Outreach and Other Human Services Karissa Giles		<i>Professional Panel</i> Steve Hick, Moderator University of Denver Panel Participants: Elthron Anderson, Southgate Water Esther Worker, esri Darcee Killpack, USGS PJ Thortenson, Castle Rock Water Rich Chamberlain, AECOM		LaserGIS for Everyone: Eliminate Mobile Asset Management Workflows Deficiencies Derrick Reish Laser Technology	
			Building an esri Workflow Manager to Maximize High Quality, Consistent Data Products in Large Volume Sara Boyer				Using Voice to Interact with Geospatial Information Mike Giddens & John Thompson Xentity	
			Pits and False Hills and Spikes, Oh My! Fixing Blunders in the USGS Seamless 1/3 Arc-Second DEM Barry Miller				How Using Accurate, Reliable, and Timely Data Is Vital for Effective Decision-Making Allan Benek & Kam Draper InfoGroup	
4:00	Poster winners will be announced! Drone Giveaway - 3 DJI Drones							