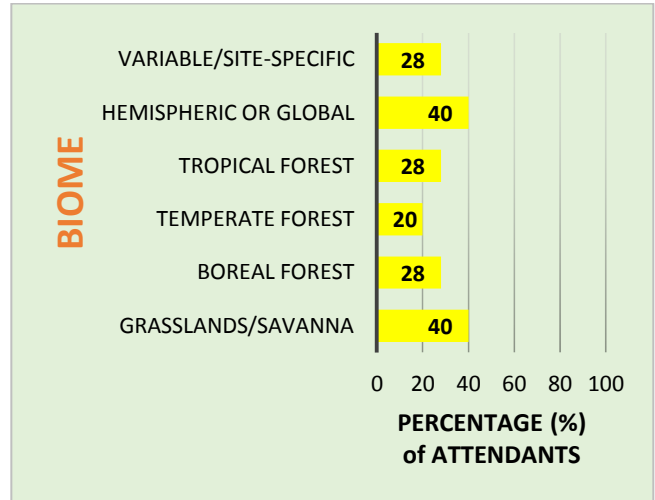
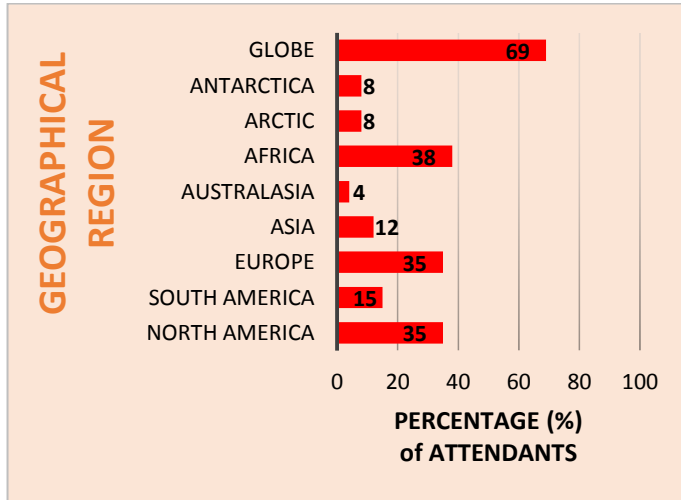


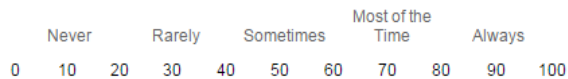
Who Are We?

@ Global Paleofire Working Group (GPWG) Workshop
Harvard Forest, 27 Sept – 1 Oct 2015

OUR RESEARCH



TOOL	Average Frequency of Usage	St Dev
Data analysis	80	22
Statistical models	55	28
Mechanistic models	39	35
Paleoecological laboratory analysis	38	43



DATA TYPE	Average Frequency of Usage	St Dev
Climate data	72	24
Charcoal	52	38
Satellite data	51	34
Model output	51	35
Field observations	50	38
Historical records	46	27
Pollen	45	40
Sediment characteristics	33	34
Stable isotopes	27	34
Archaeological data	23	28
Tree rings	23	26
Elemental data	17	30
Soil data	15	20
Other	17	32

Most of the Time
Always
Sometimes
Rarely
Never

Other data types include: short-term vegetation data (e.g. vegetation releves), field photography/fire experiments, molecular markers, fungal spores, museum specimens

*All information represent survey results (25 responses) completed by 9 Sept 2015.

OUR LEARNING GOALS for Data-Model Fusion

- Multiple spatiotemporal-scaled analyses
- Physical-statistical modeling framework
- Uncertainties and/or validation
- Specific paleofire datasets and availability
- Climate-human-fire interactions
- Community's research areas, needs, and future plans

OUR BIG QUESTIONS in Paleofire Research

- What are the climatic, ecological, and human drivers of fire regimes, both past and future?
- What is the role of humans in shaping historical fire regimes?
- How does fire ecology affect land cover changes, biodiversity, carbon storage, and human land uses?
- What are the historical fire trends and their impacts across biomes? Are their impacts local and/or regional?
- Are the fire trends in the last two decades unprecedented from a historical perspective?

Our Personal Characteristics

- Only 2 vegetarians and 1 no-beef-or-pork (~12%)
- Myers-Briggs Personality Types
 - 9 responses
 - 4 INTJ, 2 INFJ, 1 ESFJ, 1 "Artisan" (SP), 1 "Guardian" (SJ)
 - Predominantly **introverted** (vs. extroverted), **intuition** (vs. sensing), **thinking** (vs. feeling), **judging** (vs. perception)

THANK YOU FOR TAKING THE SURVEY!

**All information represent survey results (25 responses) completed by 9 Sept 2015.*