

# Breakout 6C

## Essential Principle: The atmosphere and humans are inextricably linked.

**Welcome to Session 6C atmosphere and humans are inextricably linked.**

Introductions have completed 10:45 AM

**Attendees:** Julie Gustafson: Nat. Wildlife Fed.; Steve Ackerman: Univ. Wisconsin; Christy Gerrits: Campbell County School District; Ben Cuker: Hampton Uni.; Peter Pennington: NESTA President; Mark McCaffrey: CIRES CU Bldr.; Wendy Abshire:UCAR/COMET; Steve Wilton: The Climate Project; James Rattling Leaf:Sinte Gleska University; Susan Innis: Colorado Governor's Energy Office.; Sandra Henderson:UCAR EO; Bob Henson:UCAR Communications

**Note:** Please remember to refresh your browser every 30-60 seconds.

The session has split into two separate discussion groups. (10:54 AM)

-Both groups are defining the discussion topic...

Group1: S.Ackerman - "How do we break out the the link between humans and the atmos.

- James R.L. - Mitaku Oyasin : means "all my relations" [Sandra is clarifying the sig.] encompassing term, moral, philosophical, defines he Lakota relationship to Earth. James is continuing to elaborate: "...teaches the concept of reciprocity" The Lakota don't see just a forest. They see their relationship to it in the above terms.
- J.Gus: "...should be talk about the mechanics of humans and the atmos.?"
- S.Ackerman: linkage is not just humans and the atmos., it's all the natural world. The linkage is much broader, e.g. urban heat island effect
- S.Wilton: the problem is reflected in the atmos.
- Sandra: Linkages are between humans and the environment (materials we use are effecting the Earth)
- Julie G.: "relationship" is the key term to consider. "Linkage" is not specific enough.

**Note:** two separate groups will combine in 10 minutes (11:13 AM)

- Susan I.: second concept atmos. affects humans 3rd concept humans impact atmos.
- Julie G.: ...the atmos. influence affects humans on a immediate scale (lighting strike drops a tree on you) and over the longer term (fishing)
- Sandra H. maybe we can look at previous examples
  - S. Innis: maybe we could organize this by longterm settlement patterns (types of buildings), and short term
- Sandra: Lifeways are impacted
- James: Culture is impacted - groups have to be develop a new culture, e.g. ....permafrost melt is moving group (tribe?) away from the coast as the .

**Note:** Group1 is discussing how to integrate their discussion with Group2's

**Note:** 30 minutes left in this breakout session. The whole group has not launched into the full-group discussion yet.

**Note:** Full-group discussion has begun

James is explaining Mitaku Oyasin to represent "interdependence" and "complexity" in the discussion of the development EPs

Big Ideas (from Group2 group document)

- The interconnected relationship between humans and the atmos. is complex and difficult to isolate.
- Humans beings are dependent on Earth's Atmospheric processes
  - Humans breathe to inhale oxygen and release co2 and are dependent on water distributed through the hydrologic cycles with determine human activities.
- Human Activities alter the atmos., affecting human health and changing climate
- Weather and climate affect the viability, quality and character of individual lives and societies
- Human planning is based on short-term wx forecasts and long-term expectations of climate f

**Note:** 5 mins. left in the session. The discssion is around the above last point "Human planning...."

**Note:** Details of the bullets will be added now.

**Note:** Thank you very much for your participation! your comments are the session record and will be incorporated in the session presentation this afternoon. Please see the attached [soon to be!] attached ppt. The session has ended and the participants are off to lunch.

**Online Viewers: Please use the "Add Comments" button below to add your comments and suggestions.**