**Recommendations from consortium members:**

1. **Foam Studies:**

* More studies with foam in the presence of oil for foam generation and propagation
* Mechanism of how foam interacts with oil, so it can be alleviated in miscible gas foam
* Use of foam for heavy oil
* Foam interfacial rheology (G’, G”)
* Foam scaling and changing geometry in experimental design.
* CO2 foam not just for oil recovery- Also the breakthrough time (BT) studies, why delayed BT , WAG studies
* Doing lot of sandpacks with in situ velocities not attainable in reservoir. Try to do in real reservoir conditions( use of cores) . Scale up to field conditions in case of foam. If there is minimum pressure gradient or velocity, can it continue to be injected in the field?
* On mechanism of snap off due to reservoir heterogeneity, important to revisit the concept if reservoirs are heterogeneous enough to keep on regenerating foam at low velocities.

1. Study of solutions with high TDS and divalent concentration. Use of salts of barium and strontium
2. EOR for fracture shale- come up with strategy and design some experiment.
3. Mention crude oil mention the field, composition of oil.
4. Mixtures of anionic/cationic surfactant, mechanism of low IFT behind new surfactant mixtures.
5. More fundamental research like how surfactant partitions in to the oil phase, Surface charge interpretation for adsorption etc.
6. Future to consider reservoirs with heavy oil.
7. Why is 1:1 surfactant mixtures not clear? Mechanism behind going from clear to unclear solutions.
8. Increase of consortium annual rate to $30,000.
9. Do not show other consortiums during meeting.
10. Introduce presentations by themes or how they relate.