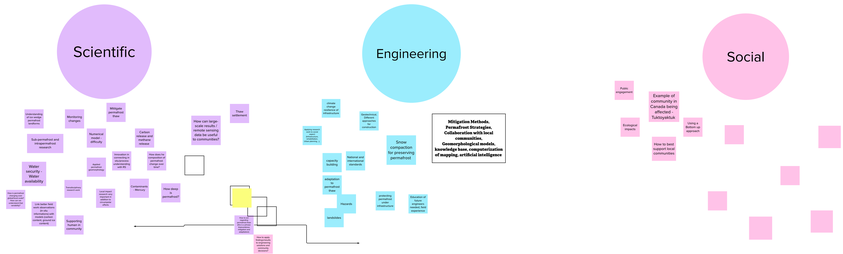
Room 1 BIG RESEARCH QUESTIONS

What are the big research questions, (and challenges in addressing them), at the international scale?


Scientific
Engineering
Social
Mitigation Methods, Permafrost Strategies, Collaboration with local communities, Geomorphological models, Remote sensing, Automatic detection of mapping, artificial intelligence
Snow compaction for preserving permafrost
How can large-scale results / remote sensing be made more useful to communities?
Fixed
Monitoring
Mitigation strategies in arctic
Sub permafrost and intrapermafrost models
Carbon emissions / carbon storage potential
Water security / water availability
Land use/land cover change
Thermokarst
Permafrost degradation
Thaw depth
Supporting habitat in vulnerability
Permafrost carbon feedbacks
Permafrost carbon emissions
Permafrost carbon storage
Permafrost carbon