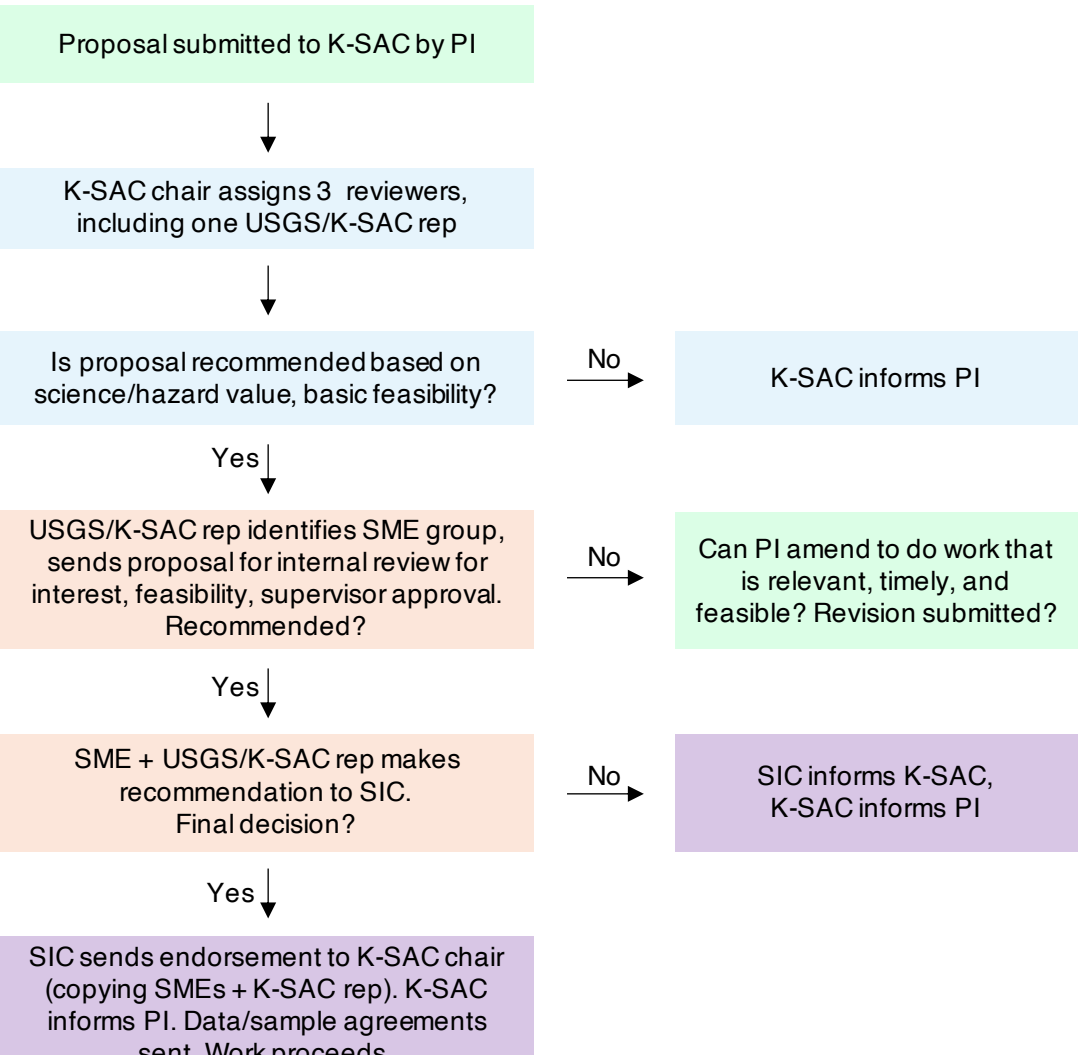K-SAC decision process