The semi-random selection process for picking the cubes from those requesting cubing for Phase 1 and Phase 2 was as described below. The general principles were that (a) we would first try to pick a cubes containing at least one token from every unit. In this description, a pre-cube is a project that is filled and has requested cube status (has requested funding).

1. **Random order list** – At the close of the cubing request period, the website will generate a list of all pre-cubes in a random order. This list will be used to select the valid cubes.

2. **All units represented by owner** – We will first try to pick a cube with an owner from each unit in the program. Starting with the first pre-cube and proceeding down the list, as a cube is selected, subsequent pre-cubes on the list with project owners from that same unit will be skipped. Also, one token will be subtracted from the available tokens in each of the investigators' corresponding units. When a unit runs out of tokens, all subsequent pre-cubes with investigators from that unit will be skipped.

3. **If not owners, use collaborators** – If all units are not represented in cubes after the above procedure, cubes with tokens from the non-represented units will be formed based on the other two tokens in the pre-cubes. The same process will be used as described above, skipping units that already have tokens in a cube or have run out of tokens. If all units are still not represented after this process is completed, this procedure and the above procedure (#2 and #3) may be modified to incorporate as many units as possible (e.g., switching the picking order of cubes containing tokens from non-represented units).

4. **Pick the rest randomly** – After the unit distribution phase has been completed, the rest of the cubes will be formed randomly. Again, the same procedure will be used as described above. Starting at the top of the list, cubes will be picked, skipping already picked cubes, and skipping pre-cubes containing tokens from units whose tokens are depleted. Pre-cubes with insufficient tokens (i.e., requiring two tokens from a unit that has only one token left) will be skipped. This cubing process will continue until all the pre-cubes have been processed or the total number of valid cubes for that cycle has been formed (e.g., 50 for the first cubing event), whichever comes first. Any pre-cubes that did not cube will be returned to the Filled Projects status.