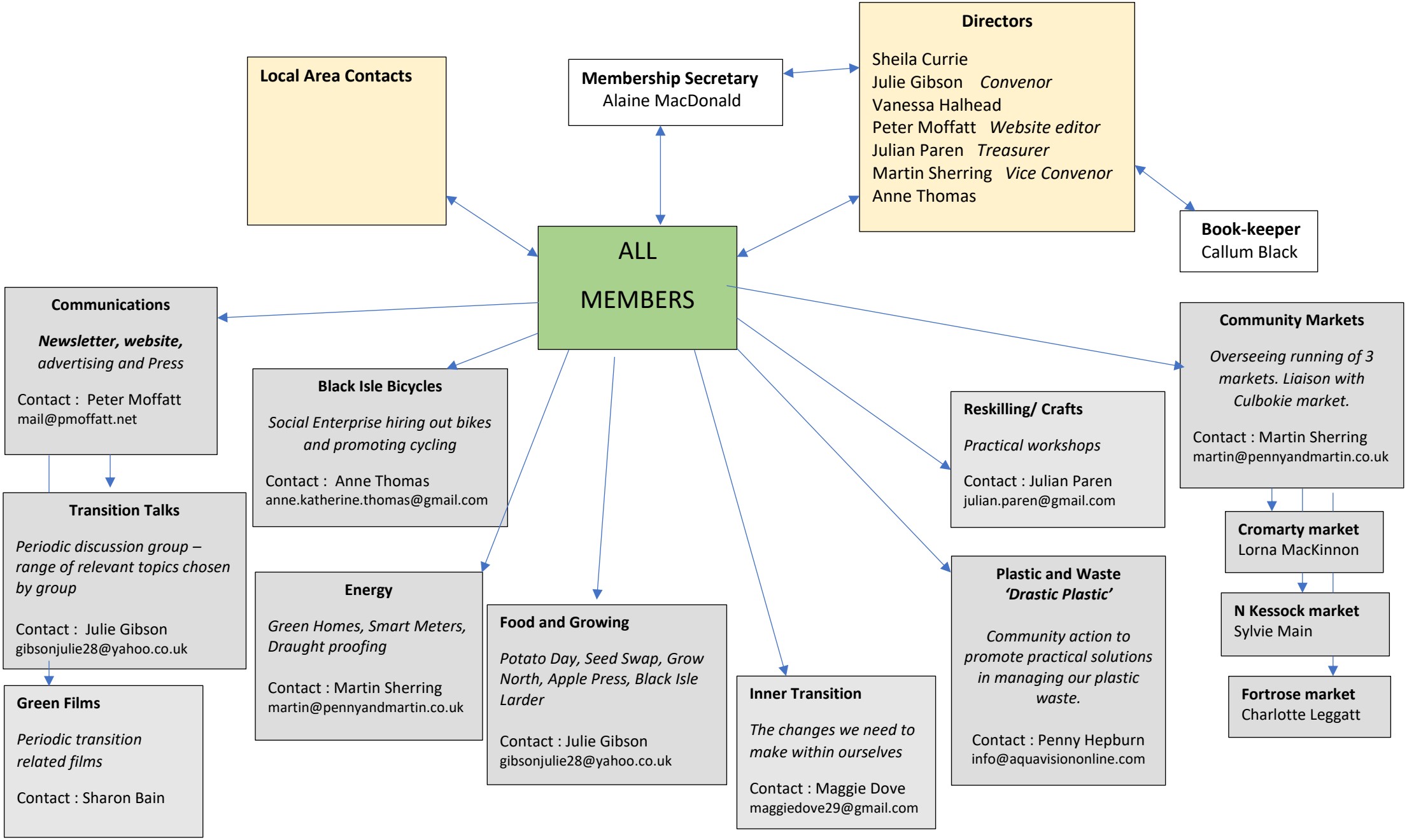TBI structure 2019