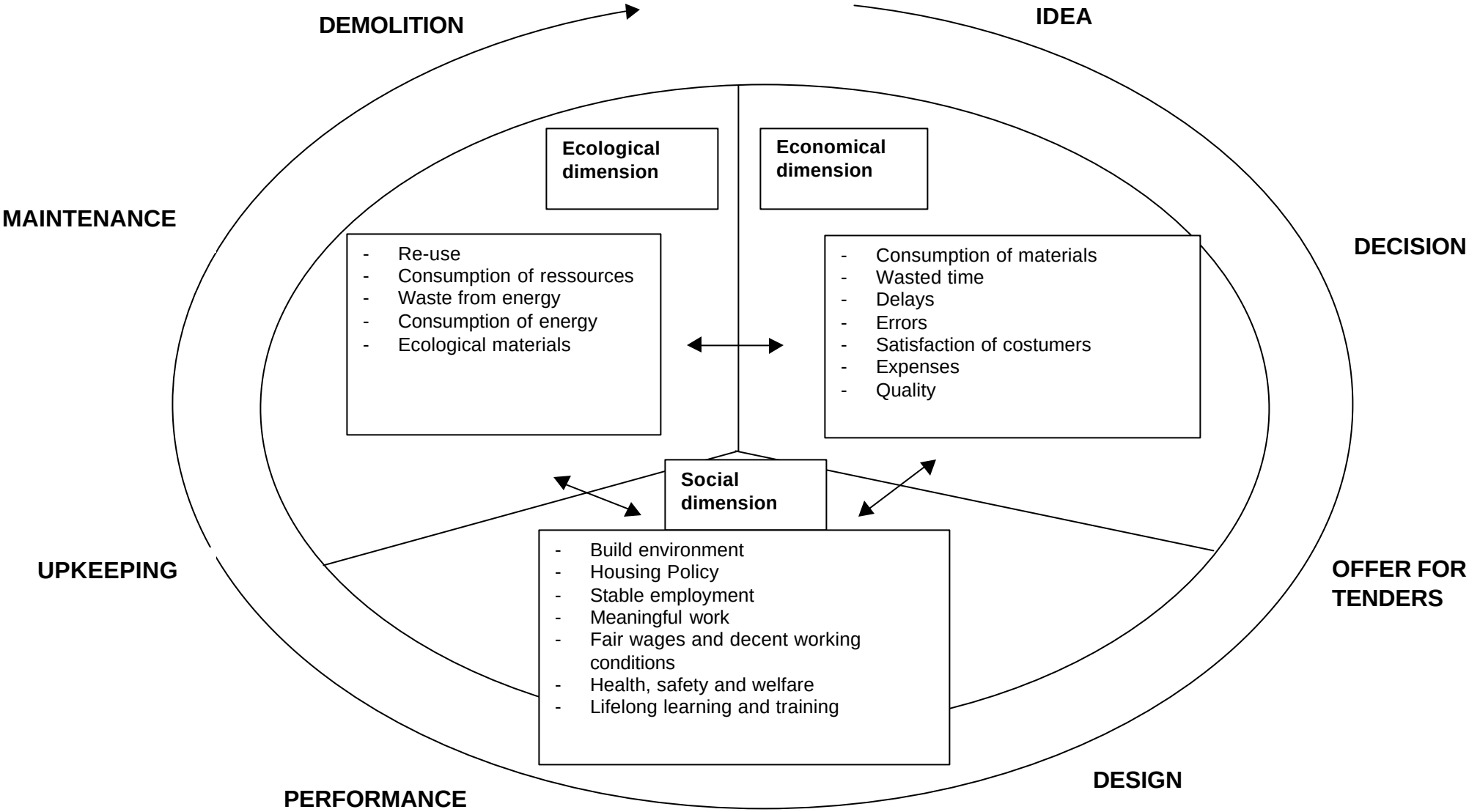Life-cycle of construction