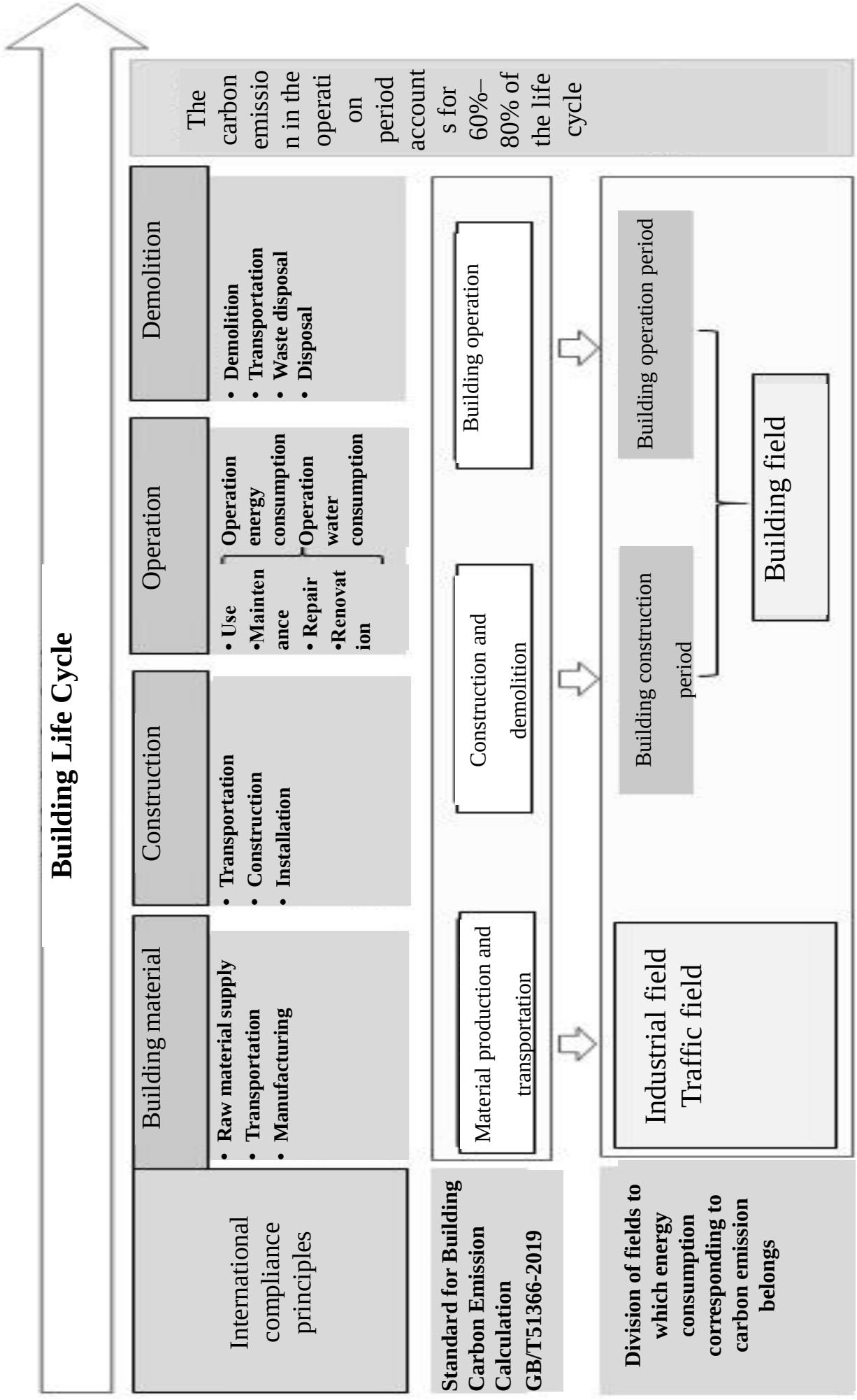

Building Life Cycle
International compliance principles
Building material
• Raw material supply
• Transportation
• Manufacturing
Construction
• Transportation
• Construction
• Installation
Operation
• Use
•Maintenance
• Repair
•Renovation
Operation energy consumption
Operation water consumption
Demolition
• Demolition
• Transportation
• Waste disposal
• Disposal
The carbon emission in the operation period accounts for 60%–80% of the life cycle
Standard for Building Carbon Emission Calculation GB/T51366-2019
Material production and transportation
Construction and demolition
Building operation
Division of fields to which energy consumption corresponding to carbon emission belongs
Industrial field
Traffic field
Building construction period
Building operation period
Building field

Fig. 1