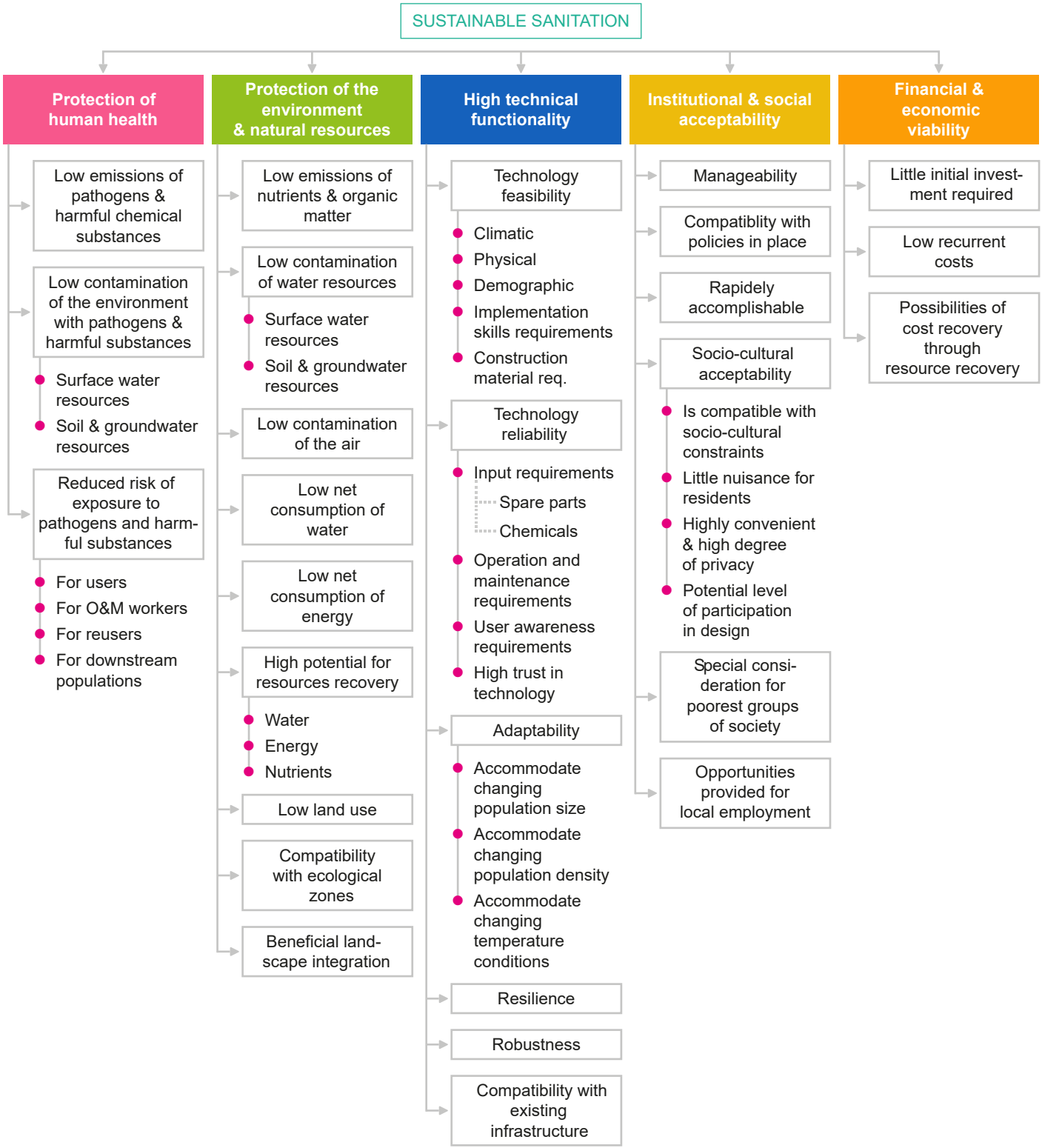
SUSTAINABLE SANITATION
Protection of human health
Low emissions of pathogens & harmful chemical substances
Low contamination of the environment with pathogens & harmful substances
Surface water resources
Soil & groundwater resources
Reduced risk of exposure to pathogens and harmful substances
For users
For O&M workers
For reusers
For downstream populations
Protection of the environment & natural resources
Low emissions of nutrients & organic matter
Low contamination of water resources
Surface water resources
Soil & groundwater resources
Low contamination of the air
Low net consumption of water
Low net consumption of energy
High potential for resources recovery
Water
Energy
Nutrients
Low land use
Compatibility with ecological zones
Beneficial landscape integration
High technical functionality
Technology feasibility
Climatic
Physical
Demographic
Implementation skills requirements
Construction material req.
Technology reliability
Input requirements
Spare parts
Chemicals
Operation and maintenance requirements
User awareness requirements
High trust in technology
Adaptability
Accommodate changing population size
Accommodate changing population density
Accommodate changing temperature conditions
Resilience
Robustness
Compatibility with existing infrastructure
Institutional & social acceptability
Manageability
Compatiblity with policies in place
Rapidly accomplishable
Socio-cultural acceptability
Is compatible with socio-cultural constraints
Little nuisance for residents
Highly convenient & high degree of privacy
Potential level of participation in design
Special consideration for poorest groups of society
Opportunities provided for local employment
Financial & economic viability
Little initial investment required
Low recurrent costs
Possibilities of cost recovery through resource recovery