



Integrated approaches in Brownfield redevelopment

(EU-project HOMBRE)

Circular land management

At the core of the HOMBRE approach is the land management cycle (Figure 1.1).

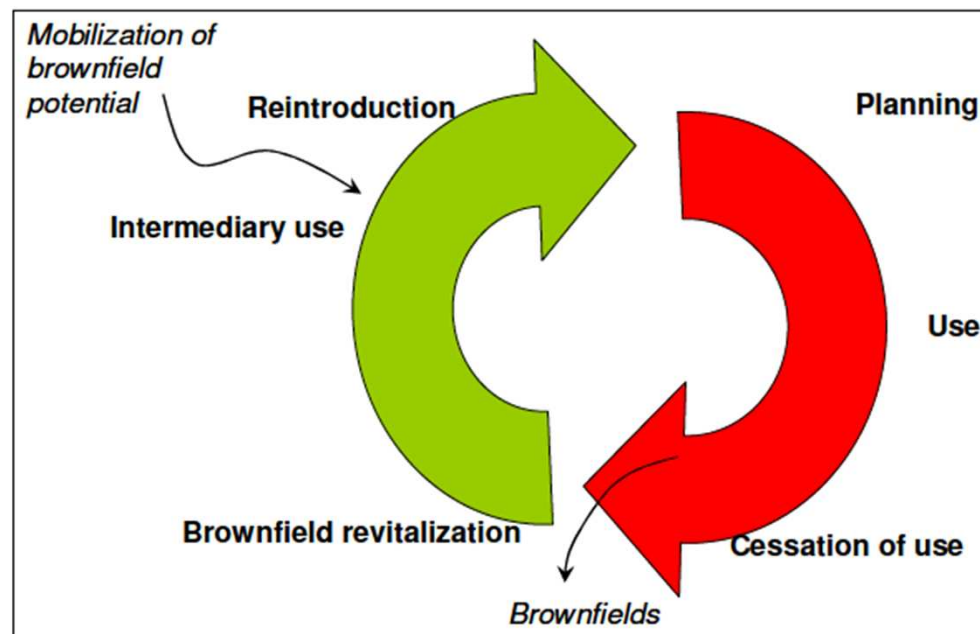


Figure 1.1 - Closing the life cycle of land use



Integration: Water, Energy, Soil, Materials

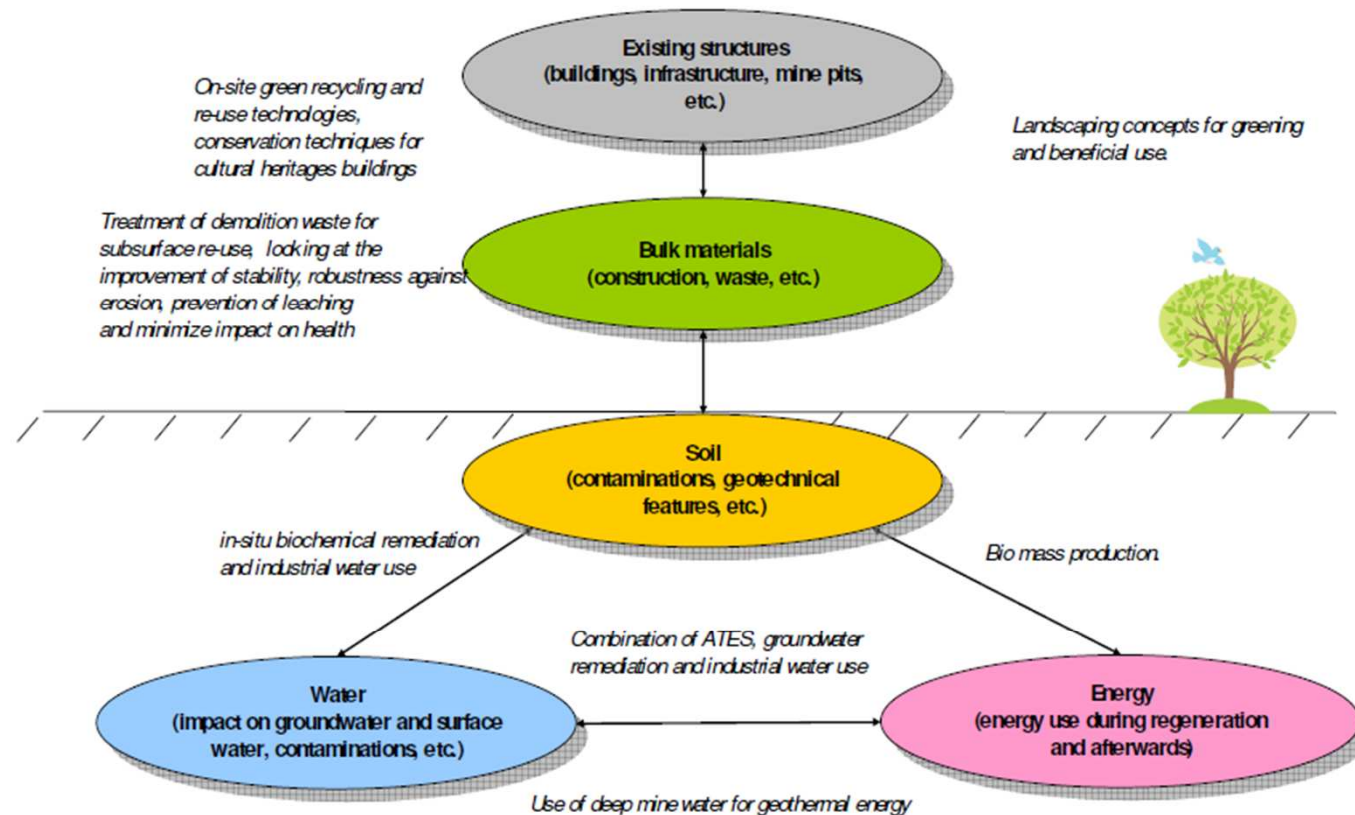


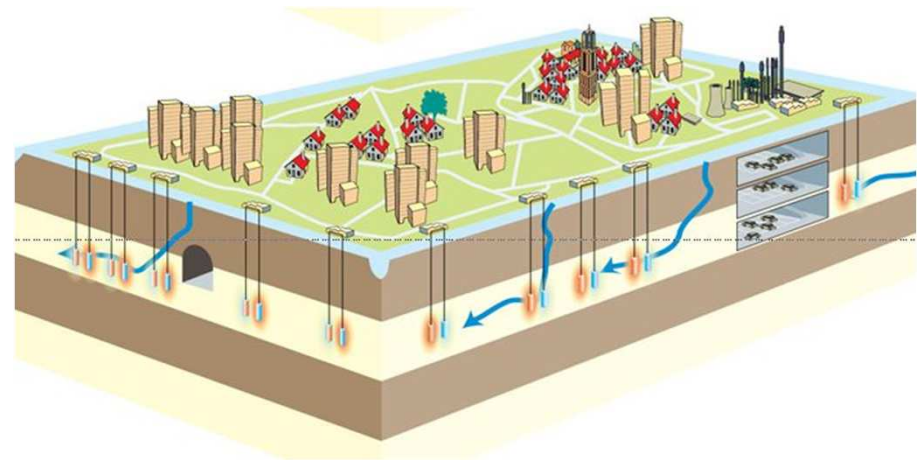
Figure 1.2 - Main groups of resources (and related constraints) that may be available at BF sites, and examples of combined technologies for sustainable BF solutions (ATES: Aquifer Thermal Energy Storage, see also Frame 1.1)



Developments in Spatial planning: 2D → 3D

Increased use of
underground for:

- Energy
- Groundwater extraction
- In situ groundwater treatment
- Infrastructure



Required: integral approach:

How to deal with all aboveground and
underground interests?