

This thesis is concerned with the relation of usable energy and space as its widely spread source. For this purpose are introduced not only a few indicators suitable to energy management description, but also principles of environmental assessment thinking are explained, as these help to distinguish the really sustainable ways of deriving energy from space. As examples of energy-from-space extraction are introduced photovoltaics, liquid biofuels and fast growing energy plants. After a brief entry to heat supply problematics, focus remains on a simple case study: quantifying relationship between local heat demand and local potential production of solid biomass from short rotation coppice. This so far rather hypothetical relation is examined at the municipal level, while Central and South Bohemia regions are the target area. Soil characteristics and population census data (2001) about residential habitats are used.