



THE RESEARCH TO IMPROVEMENT SOIL QUALITY IN
ROMANIA, LEARNING FROM OTHER'S COUNTRIES
EXPERIENCES
CERCETARI PENTRU IMBUNATATIREA CALITATII SOLULUI IN
ROMANIA, IVATAND DIN EXPERIENTA ALTOR TARI

UNGUREANU G. - USAMV Iasi

Several experiences have demonstrated that effective control is achieved conserving and improving soil structure with management systems that include regular use of soil improving, return of crop residues and tillage practices, thus avoiding unnecessary breakdown soil or compaction structure. Conservation tillage increased organic matter levels improving stabile soil structure, aeration and infiltration. Models are important tools for sustainable soil management. Beside deterministic models, the alternative approach will be presented. Numerous example of application of such approach will be presented: water flow and chemical transport, flood estimation, soil losses, effects of different soil practices, etc. Most suited combination of method maybe will be applied in improvement of the soil quality in Romania.