**Discovery of unknown microorganisms** & proposal of new higher taxa 2003, Family Thermodesulfobiceae 2003, Phylum Gemmatimonadetes 2006, Class Anaerolineae 2006, Class Caldilineae A new species isolated A new species isolated from cherry bark A possible new order from paper mill In Betaproteobacteria A possible new class A possible new phylum In Verrucomicrobia (= candidate phylum OP10) 2008. Family Syntrophorhabdaceae Making use of microbial & genetic resources Cultivation Metagenomics Analysis of Microbial genomes Improvement of Isolation methods for New and Environmental metagenomes efficient discovery of unknown microbes Microbial & Genetic Resources **Environment** 

Application for bioremediation