

Global environmental changes impact agricultural production

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Abstract

Global environmental changes impact the functioning of a global system. Global changes have cumulative effect on natural resources, such as land degradation, groundwater depletion, species extinction and loss of biological diversity. In the next 30 years, food producers need to double the amount of food to meet the needs of an additional 3 billion people. In this term, climate disruption is ultimately the most difficult environmental problem because the dominant cause of the disruption – CO₂ from fossil-fuel combustion – is deeply embedded in the way in which civilization gets 80% of its energy. One of the priorities of West Balkan countries preparing to enter the European Union (EU) is to design adequate strategies for solve environmental problems at local levels. Experts in plant production, soil science and water management are linked within the project “Education, Research and Training for Global Environmental Change and Sustainable Management of Natural Resources in the West Balkan”. This project forms a basis for a comprehensive agricultural strategy and development of human resources capable to handling this complex issue in competent ways.

Key words: global environmental changes, agriculture, soil, water, plant