



Climate change and impacts on agriculture

Climate change in the last 20-30 years has exacerbated the already difficult situation of agricultural production;

Winter became warm, and spring became bring heavy and destructive precipitation with sharp changing high and low temperatures, summer became hotter;

•Warm winters, heavy rainfall in the spring, and heat in the summer lead to various damage to the vegetation.

•High temperatures lead to heat stress and loss of

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3

Need for investment in agriculture under climate change

- Climate risks in agriculture and water sector will require separate investments.
- In this context, it should be clear, what specific problems need to be financed.
- It is also essential to understand that these investments should be targeted, with the use of existing high tech tools to solve specific tasks.
- In this case, several questions arise:
- 1. Who should receive climate investments
- · 2. How to assess the effectiveness of investments.
- 3. Do lenders and the borrowers understand the goals of climate investments

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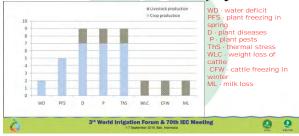
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Assessment of climate anomalies in the area of sub-projects



Assessment of negative impacts of the climate in the area of sub-projects



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Assessment of adaptive measures in subprojects 1. GH - greenhouses 1. GH - greenhouses 2. DI - drip Irrigation 3. DTC - drought-tolerant crops 5. DRC - disease-resistant crops 5. DRC - disease-resistant crops 7. STC - salt-tolerant crops Livestock production Sub-project 7. SIL - sair-tolerant crops 9. ICC - irrigation taking into account climate conditions 10. GW - groundwater use 11. ICD - injection for cattle from diseases, 12. CGF - cooling and greenhouse conditions at DI DTC FRC DRC PRC STC RW ICC GW ICD CGF FT farms Adaptive approach 3° World Irrigation Forum & 70th IEC Meeting alternation for Salt representations in the company of th

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Greenhouses favorable conditions for plants 3rd World Irrigation Forum & 70th IEC Meeting 0 9

Lessons learned In the studied regions of Tajikistan and Uzbekistan, there are real climatic risks and negative impacts on agricultural production. 2. There is need territorial zoning of existing climate risks in agriculture.

A catalog of adaptive approaches and climate-related technologies in agriculture is needed;

4. An assessment of the economic damage to agriculture from climate anomalies is needed:

There is need a capacity building of all parties, involved in the climate investments process of the, on climate change issues.

6. It is necessary to develop requirements for issuing climate investments 3rd World Irrigation Forum & 70th IEC Meeting Ġ

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