



"TOSHKENT IRRIGATSIYA VA QISHLOQ
XO'JALIGINI MEXANIZATSIYALASH
MUHANDISLARI INSTITUTI" MILLIY TADQIQOT
UNIVERSITETI

SCIENCE:

Land hydrology

SUBJECT

02

**Methods of hydrological
studies**



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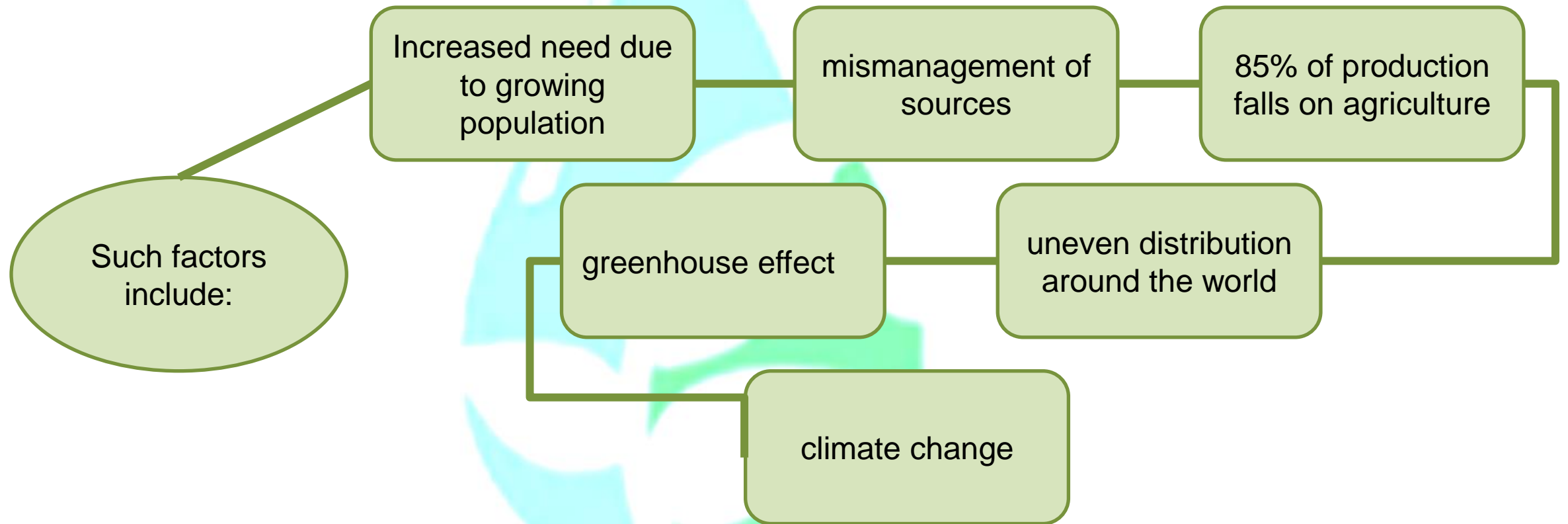
Associate Professor, Department of
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Plan:

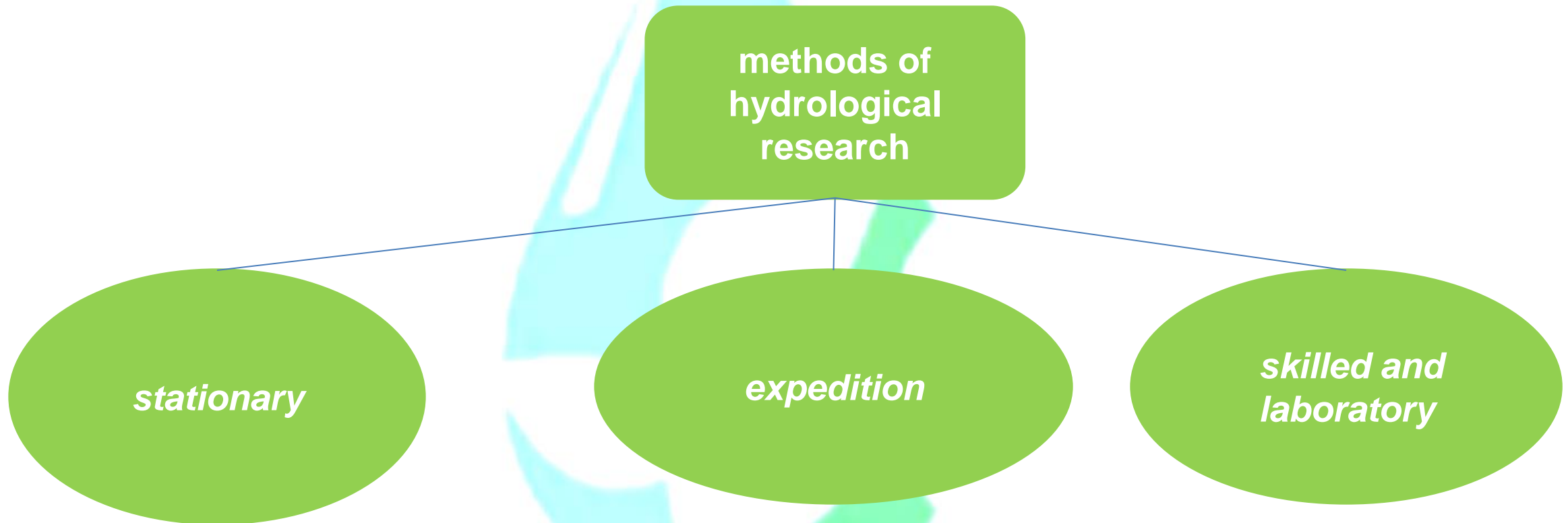
- Land demand for water is increasing.
- Methods of hydrological research.
- Water circulation in nature.



The water crisis is not caused by natural factors, but by human influence.



In hydrometry, various research methods are used to fully study the patterns of events occurring in rivers, lakes, reservoirs and other reservoirs and draw appropriate conclusions.



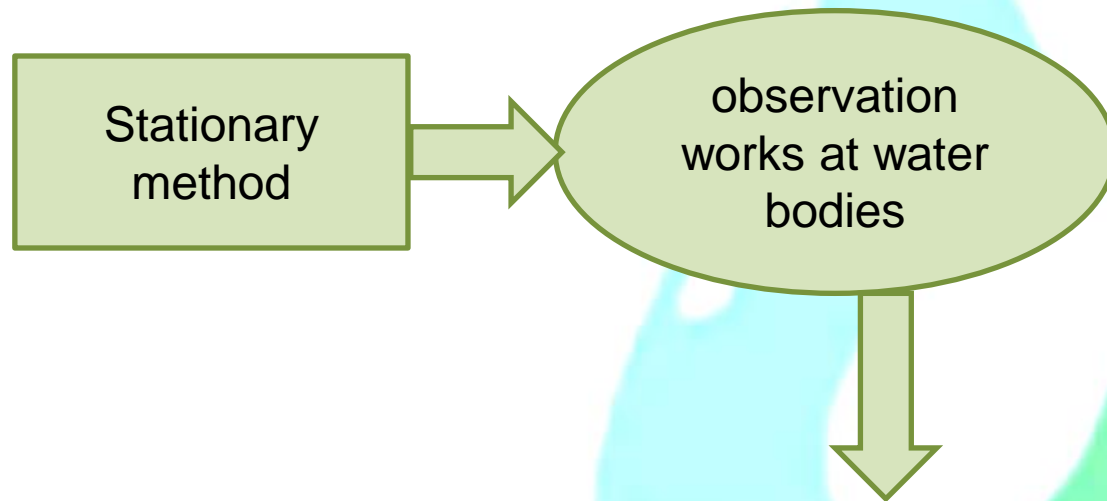
Stationary method

**Stationary
method**

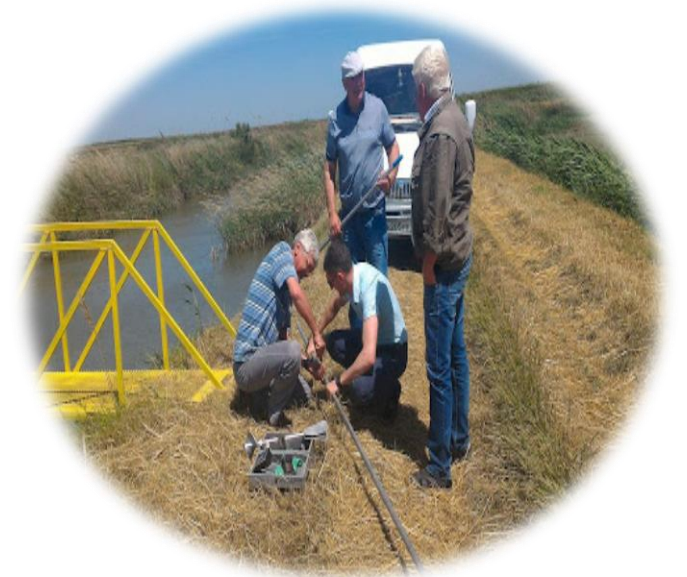
Elements of the hydrological regime of water bodies (rivers, lakes, glaciers) over the years are regularly observed at certain hours of the day.



Stationary method



It is carried out in strict accordance with uniform programs and manuals specially developed by specialists, taking into account the needs of science and practice.



Expeditionary method

Expeditionary method

In some areas, relatively little or no water bodies are studied directly in the field, by general means or for a specific purpose.



Experimental laboratory method

*Experimental
laboratory
method*

determination of
natural and chemical
properties of water

simulation of
hydrodynamic
phenomena and other
processes

in circumstances.



Experiments

in design and other types of research institutes

equipped with special equipment and devices

in laboratories

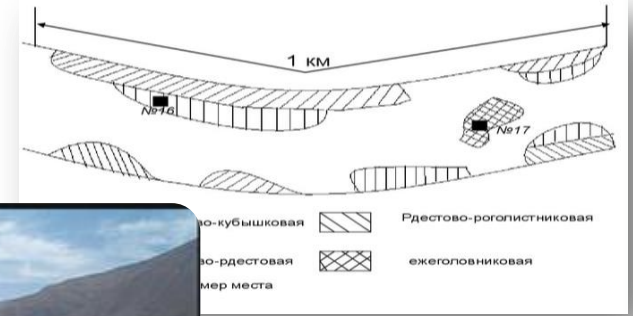


In hydrology, there is also a method of theoretical analysis.

This method

information of hydrological observation and other types of information

- rivers,
- lakes,
- reservoirs
- on the use of water resources.



Adabiyotlar:

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3. Rasulov A.R., Hikmatov F.Kh., Aitboev D.P. Fundamentals of Hydrology, "University," Tashkent, 2003, 326
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Thank you for your attention!



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