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21th century: Biodiversity is a target for ...? Biodiversity is a tool for ...?



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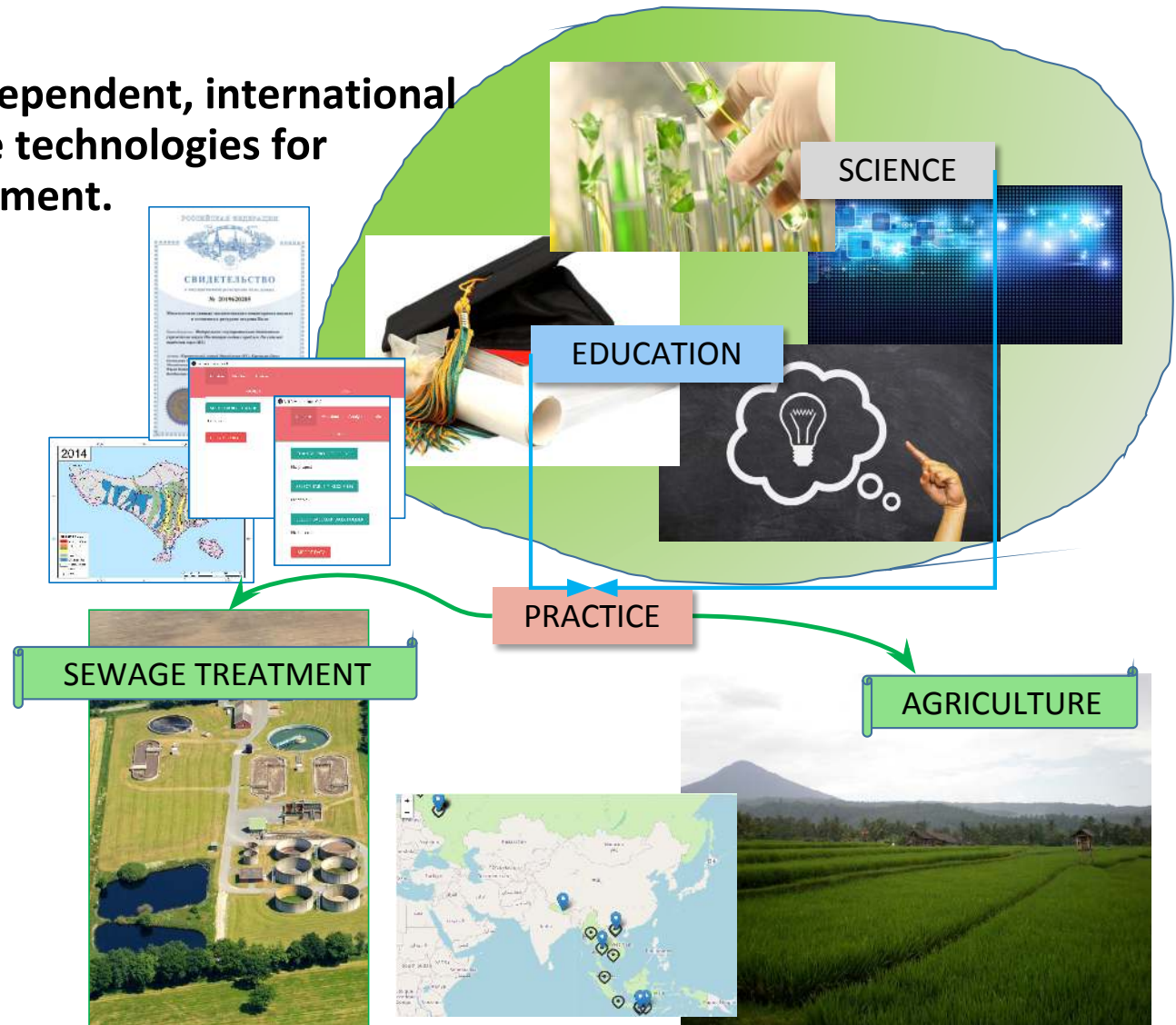
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“Integrating Multi Science Analysis Towards Diverse
Bioscience and Biotechnology Research”

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AgroEcoUniversum Club is an independent, international enterprise promoting sustainable technologies for agriculture and wastewater treatment.

- Biotechnology
- IT for environmental studies
- Geographical information systems
- Wastewater treatment
- Educating students and specialists
- Molecular-biological analysis
- Modern technologies in agriculture
- Bacterial-humic products





Biodiversity has become **the key to solving** the main problems of humanity in the new challenges that the pandemic has posed this year.



Covid-19 showed us: **we will have to pay the price "given to us from Nature"**

Absence or destruction of the **natural biological disinfection process**

Untreated animal farm's wastewater + domestic waste water

Risk of direct infection

High load on pollutants to water bodies (lakes, rivers)

Simplification of the ecosystem structure

Disruption of trophic chains



*The disappearance of the "trophic level" capable of **destroying pathogenic organisms (viruses and bacteria)***

Risk of a new pandemic

What is **the main strategy to get out** of such dangerous situations connected with epidemics?



- ✓ The pandemic has shown that the main decisions are now made **by the local administration in each specific region** within a specific time frame.

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Why at the local level?

Because the main way to restore natural self-purification and biological disinfection is to create many new "small" ecosystems where possible.



For example: **Green walls (inside view)**

Current situation / After treatment **Green walls (outside view)**

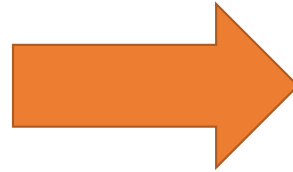


Current situation / After treatment
Simple wetlands



Current situation / After treatment

Treating Islands



Wastewater treatment technology: Constructed Wetland (implemented for livestock farms)



do not have the ability to bio-disinfect



What tasks should the local administration solve?

- to develop a scientific and technological project to solve the problem (with the help of local scientists and experts);
- to train young professionals able not only to fulfill the task, but also to predict and prevent such problems;
- to provide full funding required to complete the first two points.



And all must remember: you can't cross a chasm in two jumps.

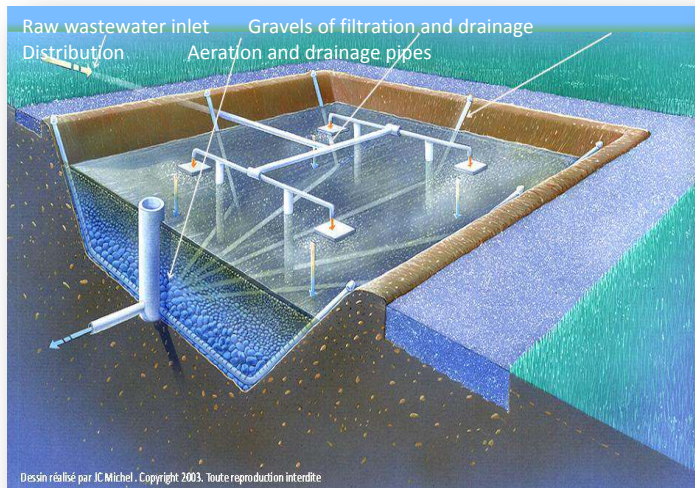


Very often, "clean technologies" are cheaper than dirty ones. We just have to decide to find them.

We are ready to cooperate!

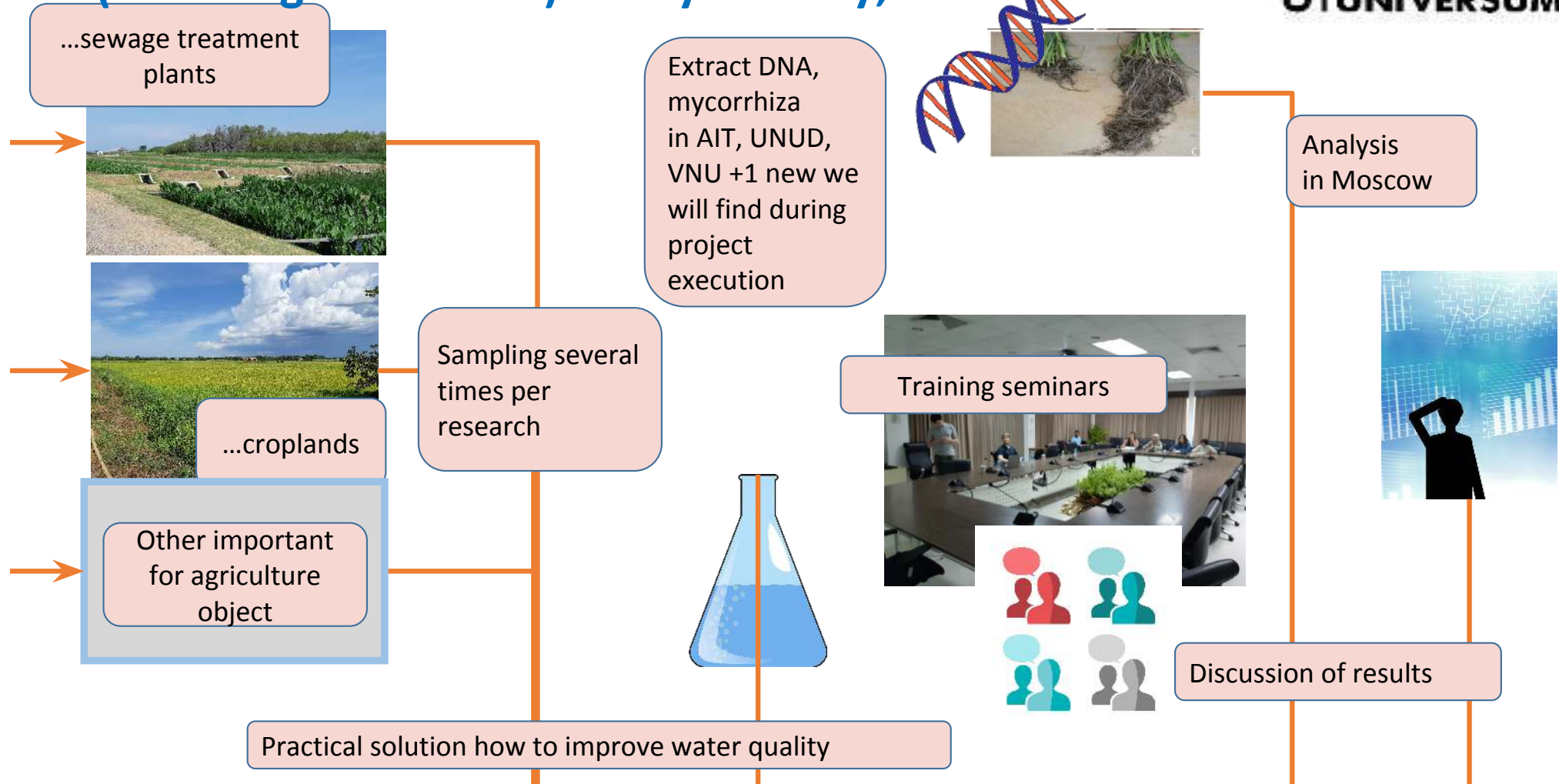
Some solutions to eliminate the spread of pathogens

- ✓ Design and construction of treatment facilities for animal farm wastewater, domestic wastewater, as well as for wastewater produced by solid waste, storm water, and mining activities.

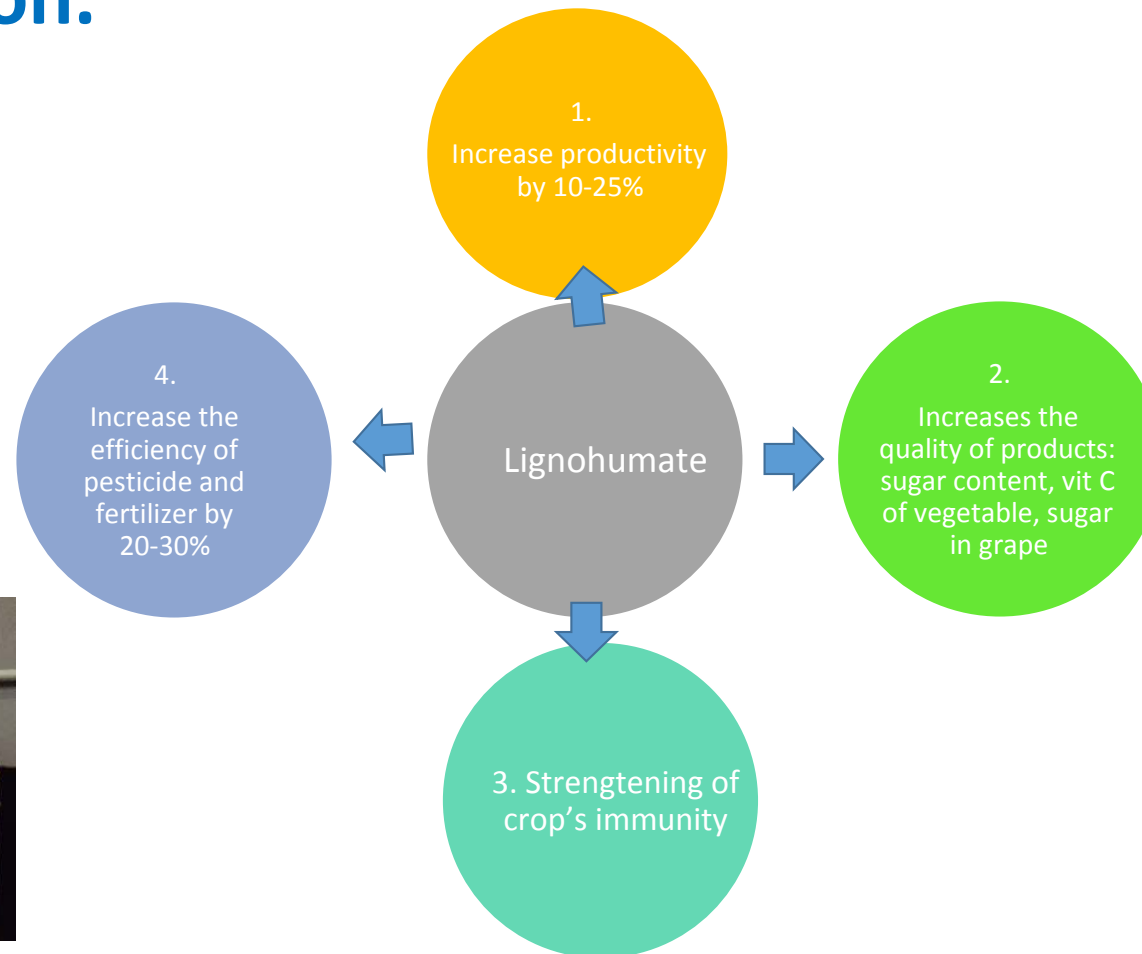


Nature-like technology

✓ Organization of molecular biological monitoring (including covid virus) in any country;



✓ The distribution of humic products to reduce the amount of pesticides in crop production.



To solve these problems, we involve university students



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Science, Education, Business
&
Project-oriented education



Thank you for attention!

We are always in touch!



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