

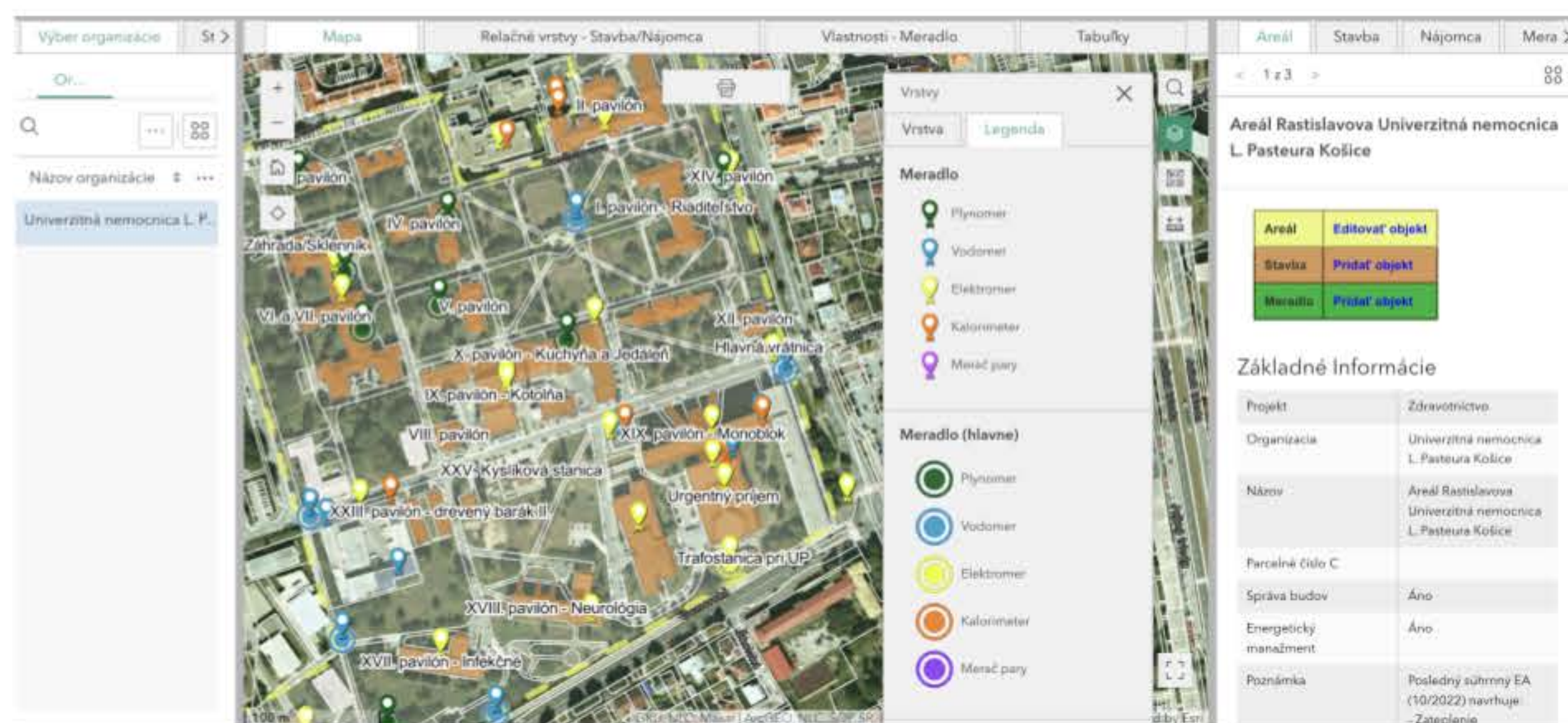
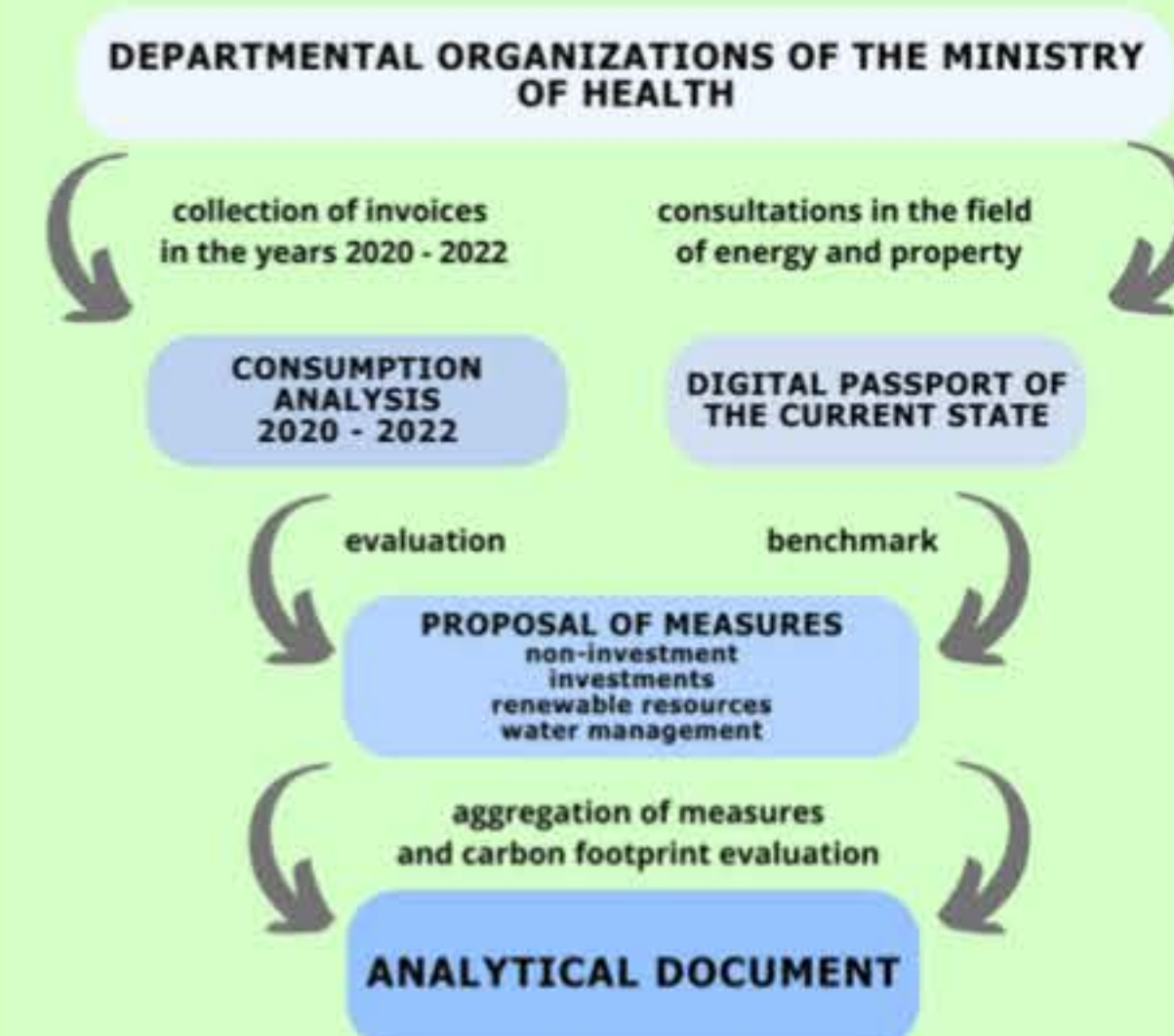
Energy Efficient, Sustainable & Smart Strategy for Ministry of Health



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Energy Consumption Analysis:

- ✓ Comprehensive data collection on energy usage (electricity, natural gas, central heating, water) over three years (2020-2023).
- ✓ Proposal for a solution of non-investment and investment measures (resource deployment) with the aim of reducing energy consumption in times of energy and climate crisis
- ✓ Calculation the carbon footprint in CO₂ in terms of AR5 of the UN Intergovernmental Panel on Climate Change
- ✓ Evaluation of water consumption and its impact on operational costs.



Methodology:

- ✓ Utilization of a unique GIS-based approach for data collection and evaluation.
- ✓ Modern software tools for enhanced visualization, enabling better understanding of energy needs and building conditions.

About the project:

Timeframe: October 2022 – June 2023
Realizator: Ministry of Health of the SR
Financial support source: Ministry of Interior of the Slovak Republic – Operational Programme Effective Public Administration

	Energy consumption				Interior lighting (original)		
	measurement and regulation	hydraulically regulated heating system	thermostatization of the heating system (more than 90% of heads)		Number of buildings	number of lighting device (pcs)	share in the number of lighting devices (%)
Teaching and university hospitals	281	81	70	Teaching and university hospitals	191	12 801	26,39
Hospitals and sanatoriums	151	56	76	Hospitals and sanatoriums	122	5 177	24,38
Psychiatric hospitals and facilities	90	40	52	Psychiatric hospitals and facilities	75	568	11,22
Facilities for public health authorities	47	20	24	Facilities for public health authorities	57	6 866	74,59
Other medical facilities	21	8	12	Other medical facilities	22	2 552	85,67
Sum	590	205	234	Sum	467	27 964	32,15