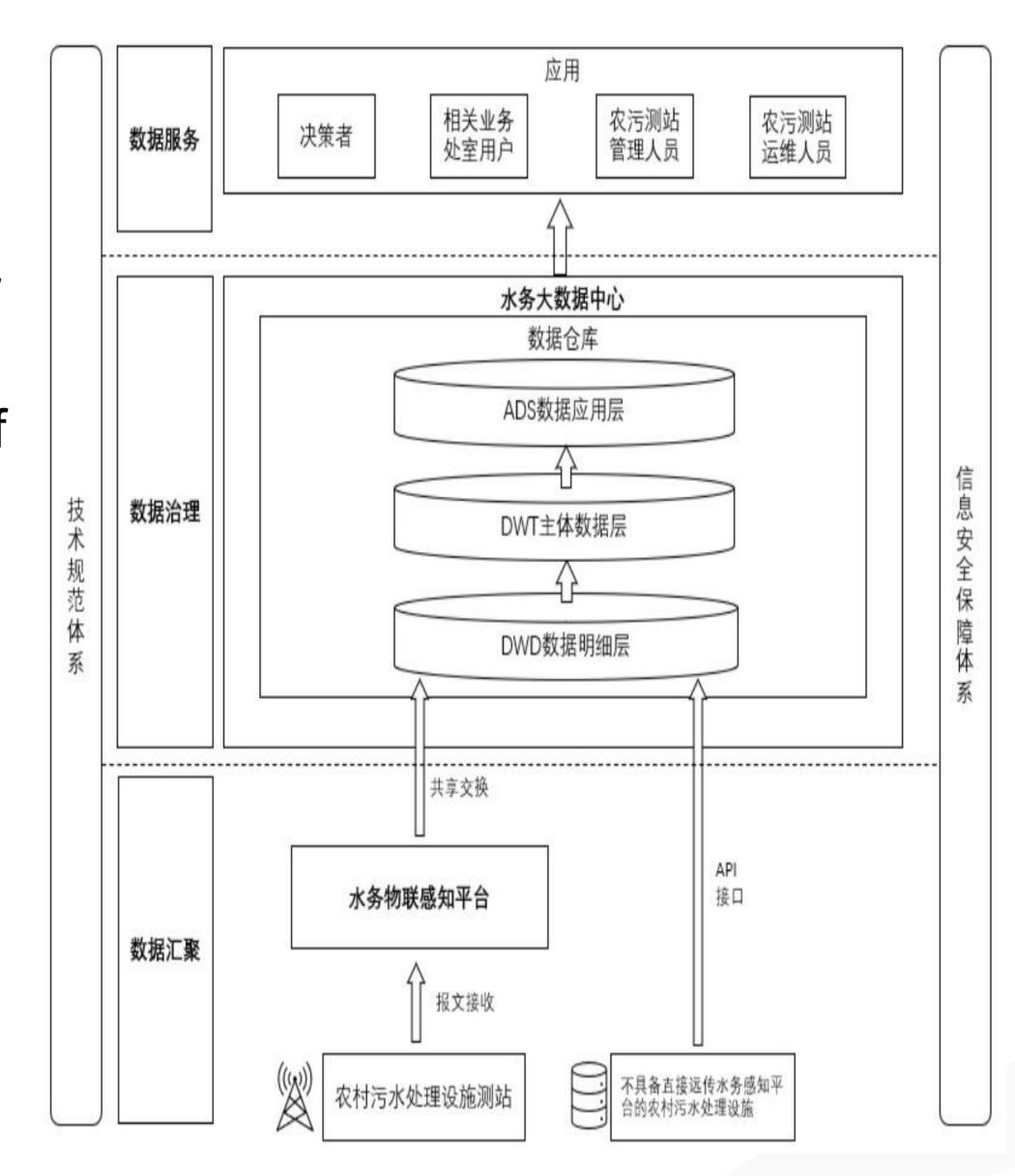


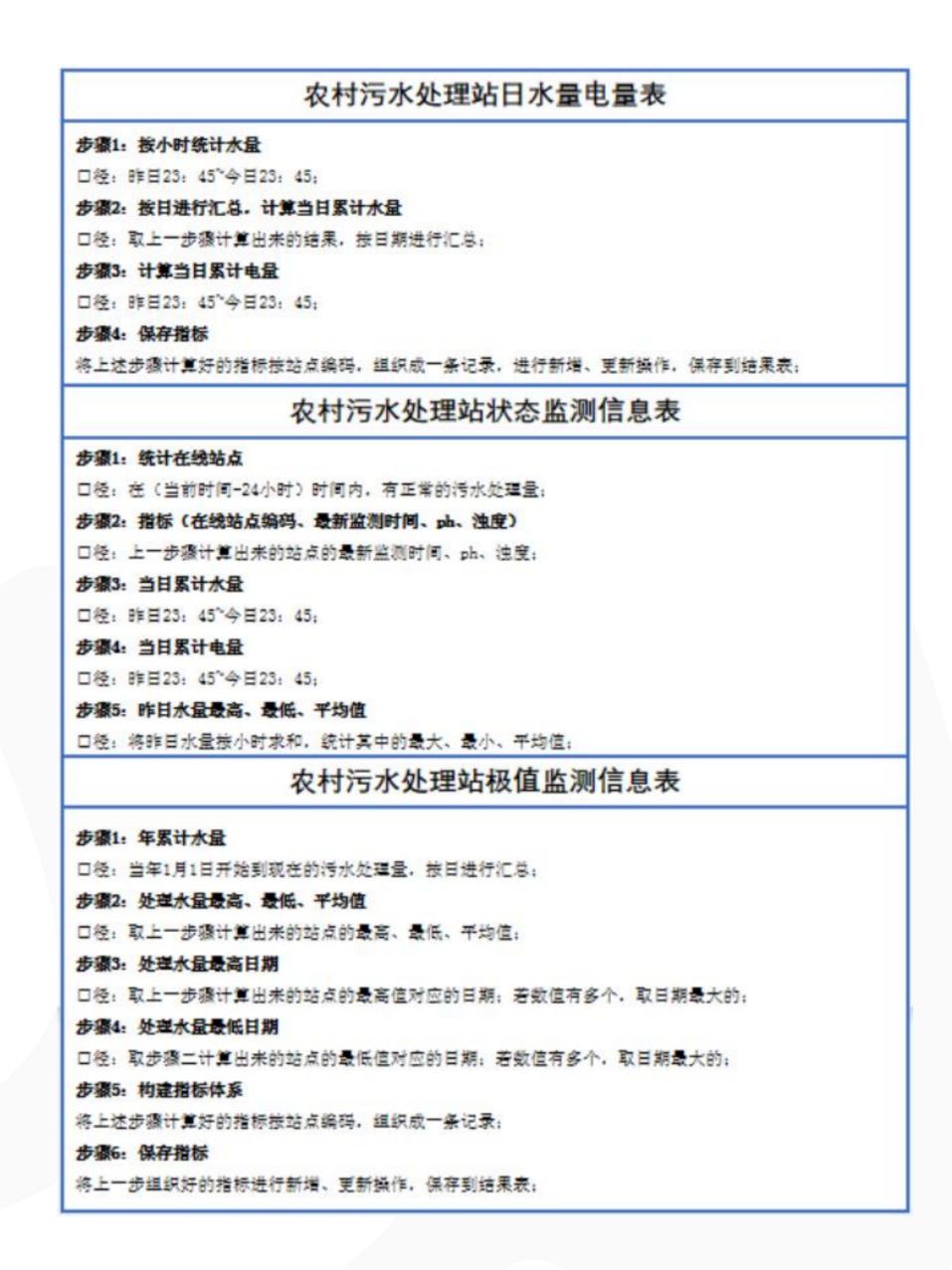
Data aggregation and governance of rural sewage treatment facilities based on Big data technology

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Objectives

By the beginning of 2023, a total of 1199 rural sewage treatment facilities have been built in Beijing. As an important part of the city's sewage treatment facilities, the construction of rural sewage treatment facilities is fast and large-scale. To achieve effective supervision of agricultural sewage facilities, it is essential to master effective data. This paper will explore how to combine big data technology to effectively collect and manage rural sewage facilities data.





Methods

How to effectively collect and collect the rural sewage treatment facility data on the basis of ensuring the accuracy and timeliness of the data, and how to manage the collected raw data of the rural sewage treatment facility in line with the water business data to form meaningful results data.

Results

The Internet of Things technology is used for data aggregation, and then the collected data is analyzed, and the data is calculated according to the business needs. Finally, the data after governance is summarized to form the result data.

Conclusions

Utilize Internet of Things technology, data analysis, data calculation and other big data technologies to realize the data aggregation and data governance of Beijing's rural sewage treatment facilities, reorganize the results data that are relevant to the water-related business, and make the results data into data interfaces to provide external data services. This research has promoted the deep integration of information technology and water business, provided strong support for the supervision of rural sewage treatment capacity, improved the scientific decision-making of relevant management departments, and improved the overall level of rural domestic sewage treatment.



