

INFORMATION ON NEW CONTRIBUTIONS OF THE THESIS

- Thesis title the thesis: *Models and solutions of regulating lake management for regulating rainwater and minimizing inundation in the Urban Center of Hanoi City*
 - Specialization: Urban and construction management
 - Code: 62.58.01.06
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 - Education institution: Hanoi Architectural University
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On the basis of the analysis and assessment of the current status and specificity of the regulating lake system of the Urban Center of Hanoi City, with the scientific basis for the management of the regulating lakes, the thesis has researched and proposed models and solutions for regulating lake management in order to regulate rainwater and reduce flooding for the Urban Center of Hanoi City.

Summary of the new contributions of the thesis:

- Proposing technical solutions to increase the rainwater regulation capacity of the regulating reservoir in the Urban Center of Hanoi City by sustainable drainage techniques to cope with climate change.

- Proposing solutions to adjust the drainage planning in the direction of dispersed arrangement of regulating lakes for each drainage basin in the Urban Center of Hanoi City.

- It is proposed to establish a Regulatory Lakes Management Center under the Hanoi People's Committee, which is the only focal agency tasked with comprehensive management of the lakes within the City.

- Proposing mechanisms and policies to manage and encourage socialization in investment in building new regulating lakes and maintaining and renovating old lakes.