

Running WANDA from Python



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Introduction

Questions?

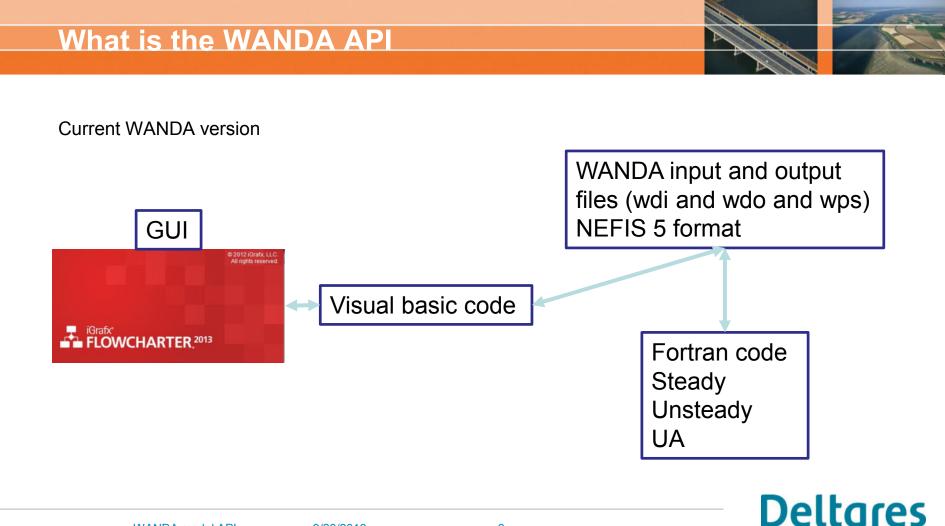
During webinar via text At the end live Q&A

Contents:

- 1. What is the WANDA API
- 2. What can you do with the WANDA API
- 3. Structure of the WANDA API
- 4. Some examples

x	Question	Asker	Rec'd 👻 📕	Answer





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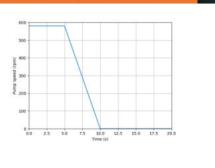
WANDA input and output files (wdi and wdo) NEFIS 5 format

WANDA API: Library of classes and function to access and edit WANDA files from most common programming languages (Python, Matlab, C, C#)

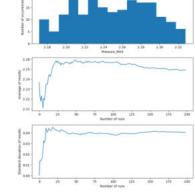


What can you do with the WANDA API

- Create figures (or automatize figure creation)
- Adjust models
- Run simulations
- Build models
- Run scenarios
- Couple WANDA to other software
- Model calibration
- Monte Carlo simulation
- Build model from GIS database



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Structure of WANDA API

Classes:

- WandaModel: main class for loading a model and used to access other classes
- Wandaltem
 - WandaComponent
 - WandaNode
 - WandaSignalLine
- WandaProperty
- WandaTable

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Examples

- Creation of figure
- Creation of WANDA model



What is next

WANDA API will be released with WANDA 4.6 Fall 2019

WANDA courses during Delft Software days 2019:

- Basic course: 11-12 November
- Advanced course: 13-14 November
- Running WANDA from Python 15 November

See: https://softwaredays.deltares.nl



