Flood Manager Stantec.io



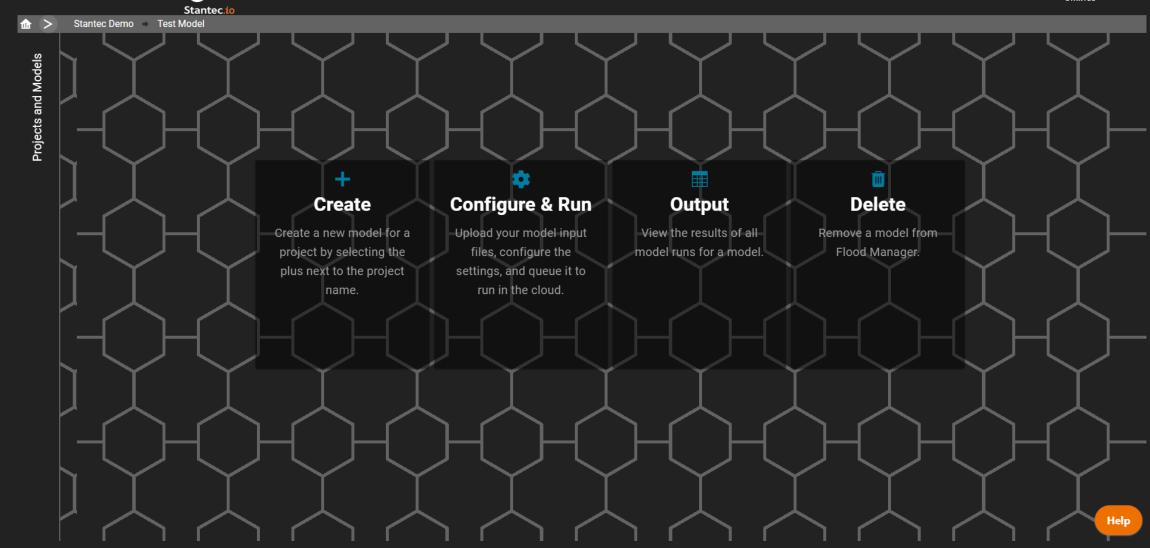
1
Model Process
Automation

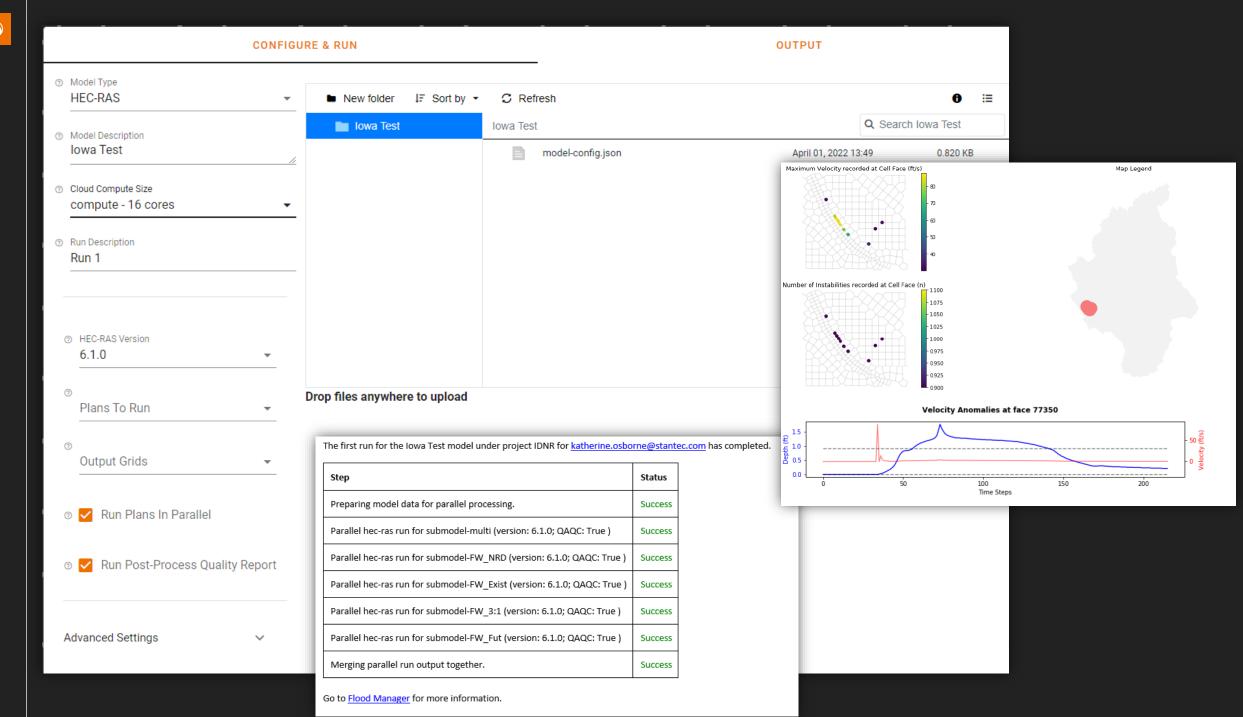
2 Quality Analysis 3
Model
Management &
Visualization



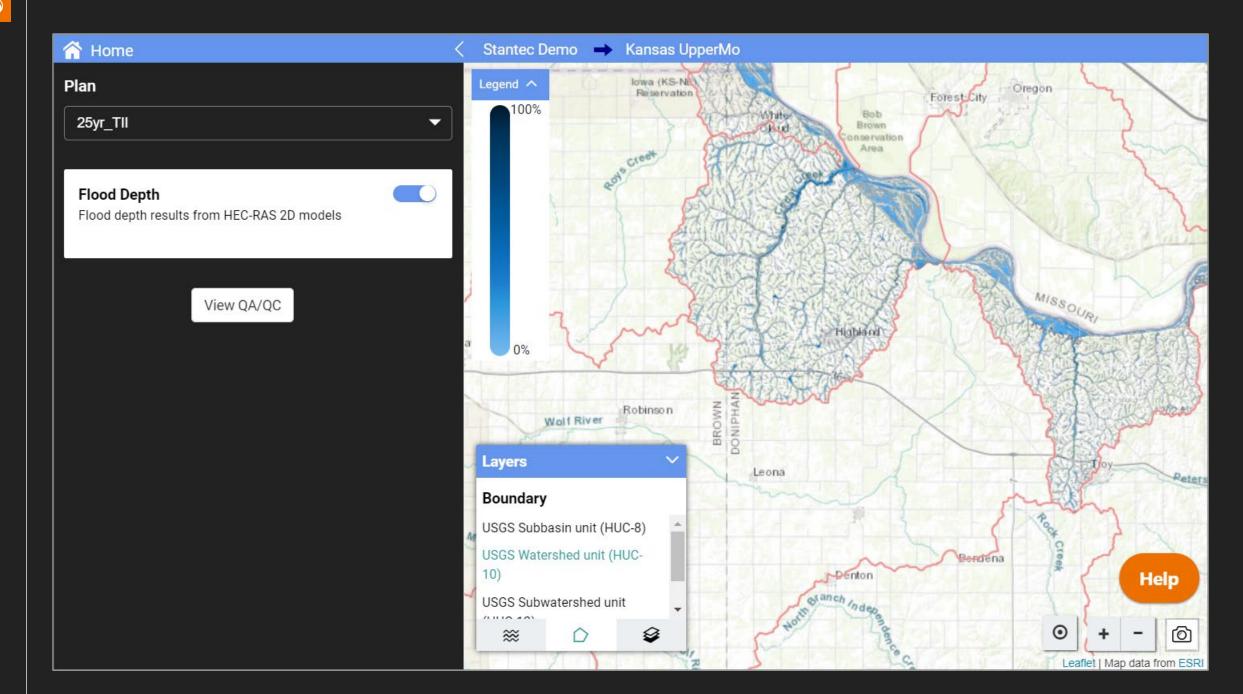
Flood Manager

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Parallel Computing in Action

Example Using RAS 6.1:

- 12 Core CPU Workstation, 32GB RAM, SSD Windows 10
 - Runtime: 8hrs 2 min * 6 storms * 2 conditions (base/future)
 - 12 plans * 8hrs 2 min = 96hr 24 min (<u>4 DAYS)</u>
- 32 Core Flood Manager:
 - Runtime: 6hrs 18 min. * 6 storms * 2 conditions
 - 12 plans parallel * 6hrs 18 min + (splitting and recombing models) = 7hrs 48 min

Time savings of 3.5 days!



Flood Manager Benefits

- 1. Accommodates a <u>consistent-cloud based</u> modeling environment, georeferenced
- 2. Cloud-based parallel processing = speed = cost savings
- 3. Available on-demand, at scale from anywhere
- 4. Metadata driven model management and storage
- 5. Reduced project delivery time
- 6. Identify global errors with consistent quality control
- 7. IT costs



