

GRACe:

A DSL for GRACeFUL concepts

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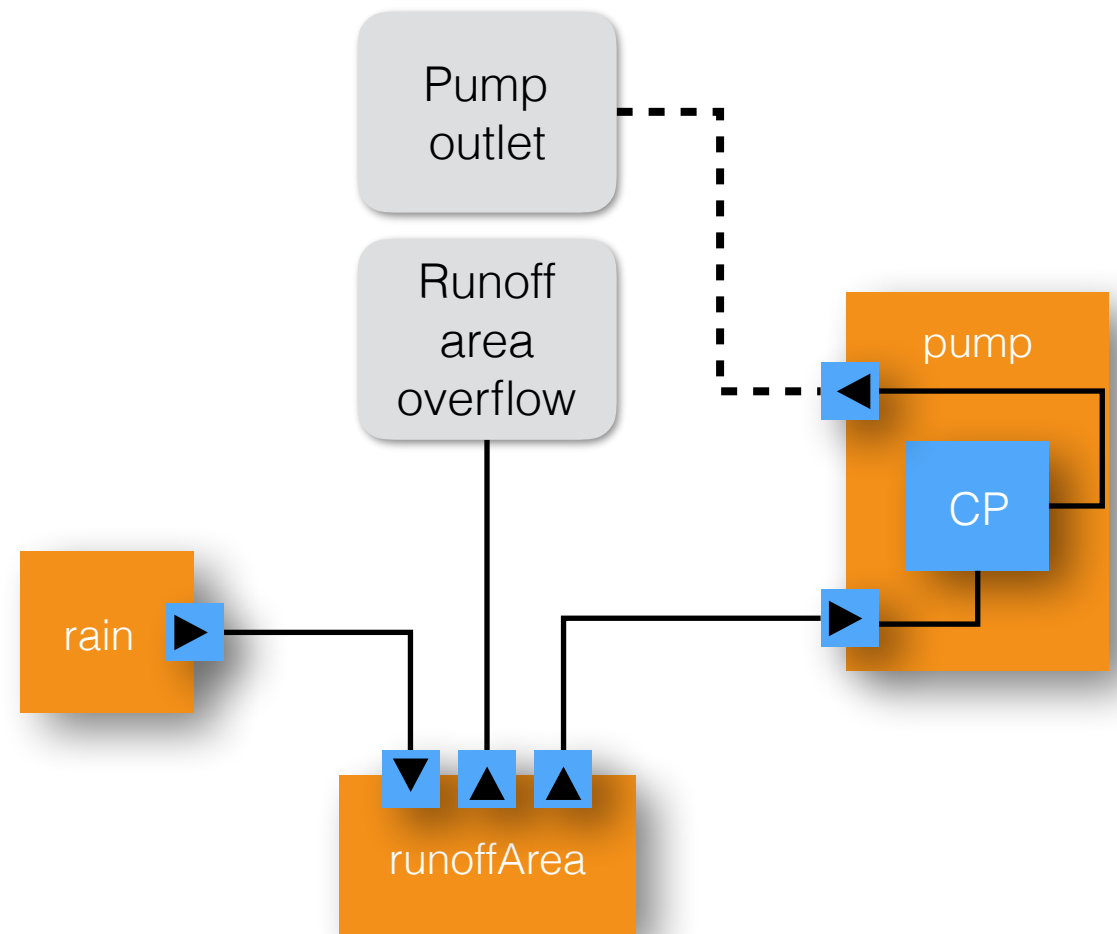
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GRACe

Haskell-embedded DSL for describing GRACeFUL concepts and translating these to constraint programs.

Goals

- **Expressivity:** Need to express stock-flow-like models for CRUD.
- **Composability:** DSL programs can be composed to form models or new components.

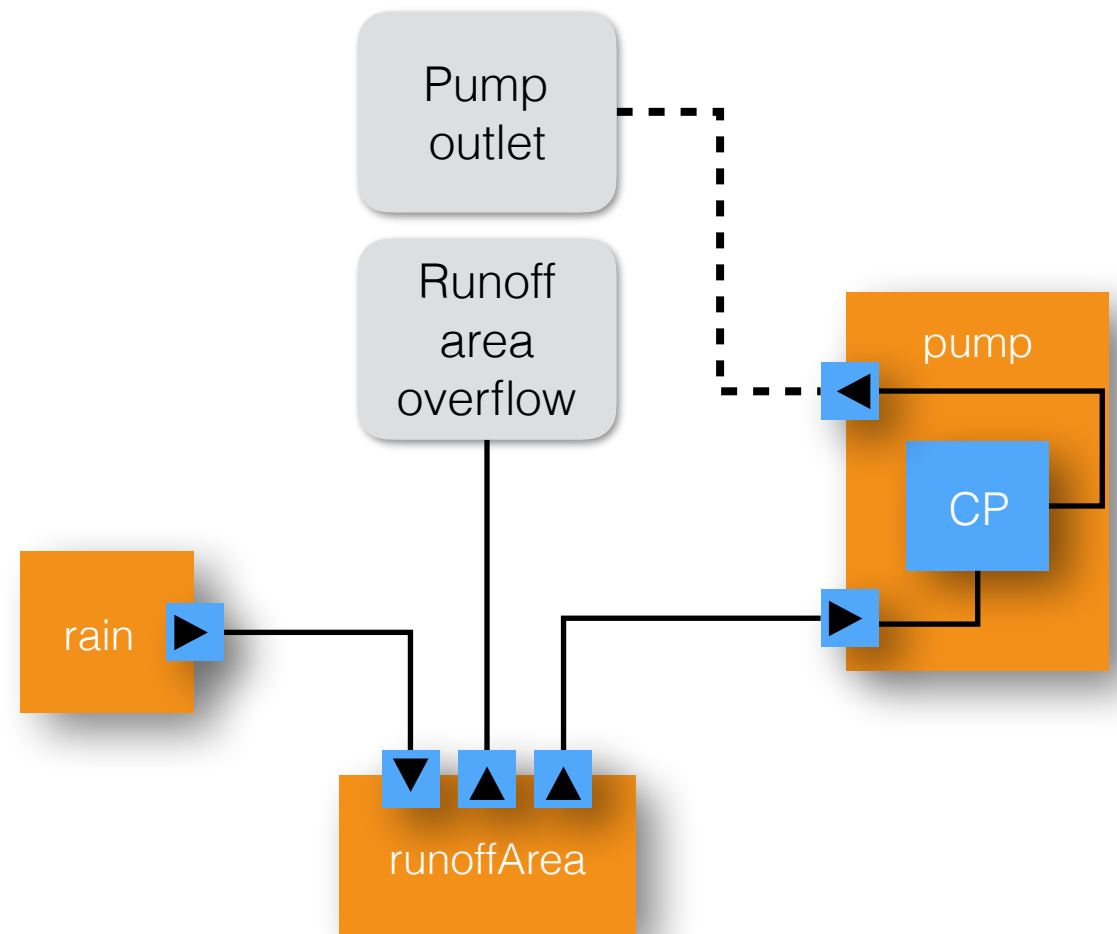


Goals

General enough,
but not too general

- **Expressivity:** Need to express stock-flow-like models for CRUD.
- **Composability:** DSL programs can be composed to form models or new components.

Must be able to do this w/o manual intervention



Current status at D4.2

- DSL prototype in Haskell on GitHub.
- Can generate runnable constraint programs.

Can express

- ... the behaviour of individual components
- ... relations between components

Future work

- Interfacing GRACe with the VIS layer.
- Strengthening connections between GRACe and WP5.