



[www.csiro.au](http://www.csiro.au)

# WaterML2.0 Update

Water for a Healthy Country

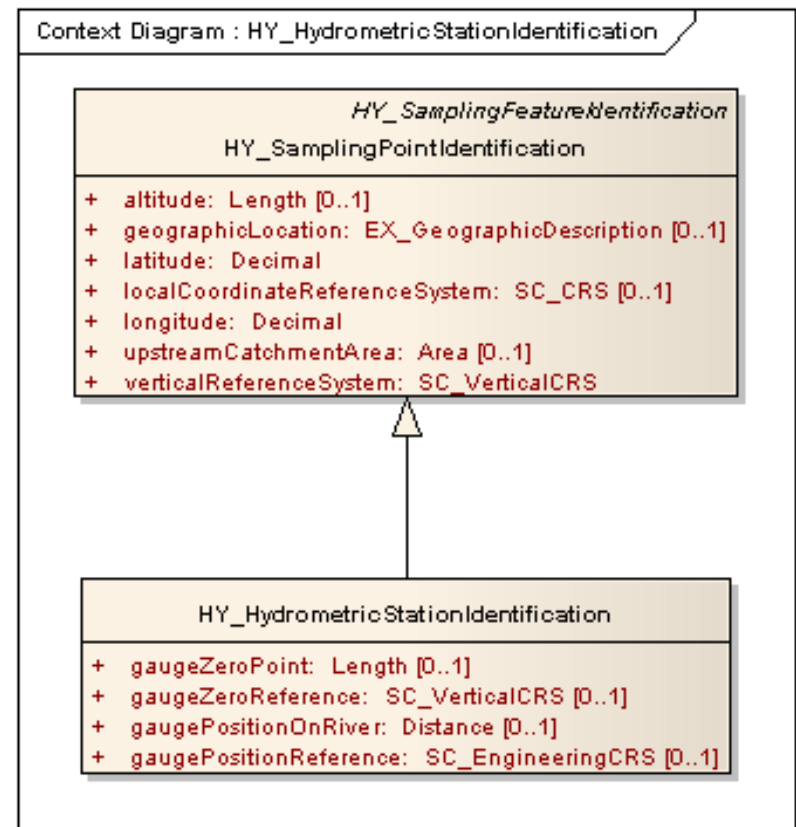
**Pete Taylor**  
**Ispra, March 2010**

National Research  
**FLAGSHIPS**



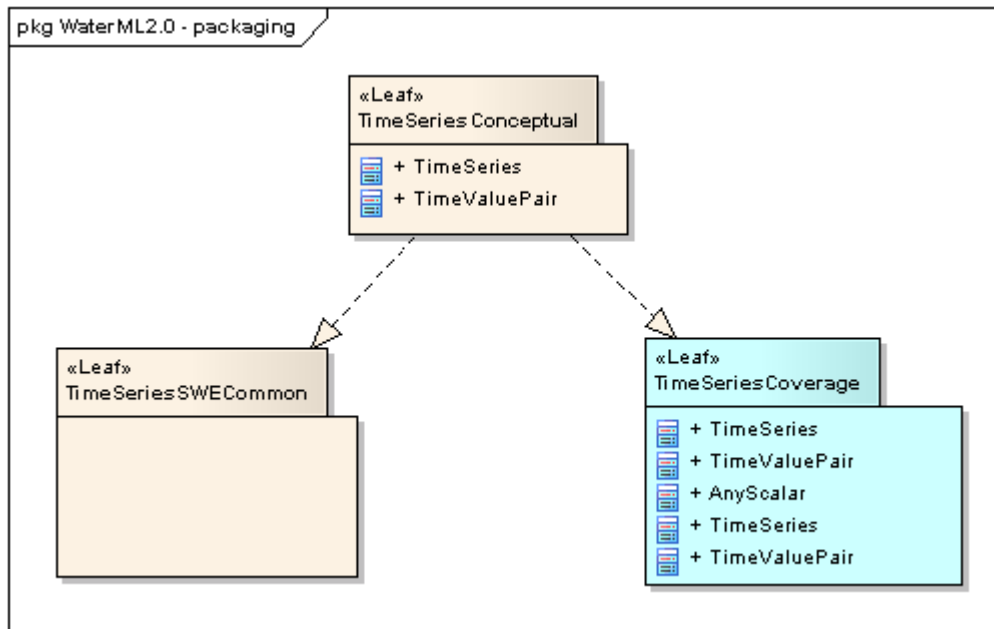
# Current scope

- Define a set of in-situ monitoring points:
  - Monitoring station descriptions
  - Requirements for metadata:
    - Existing standards
    - GRDC profile
    - Domain users



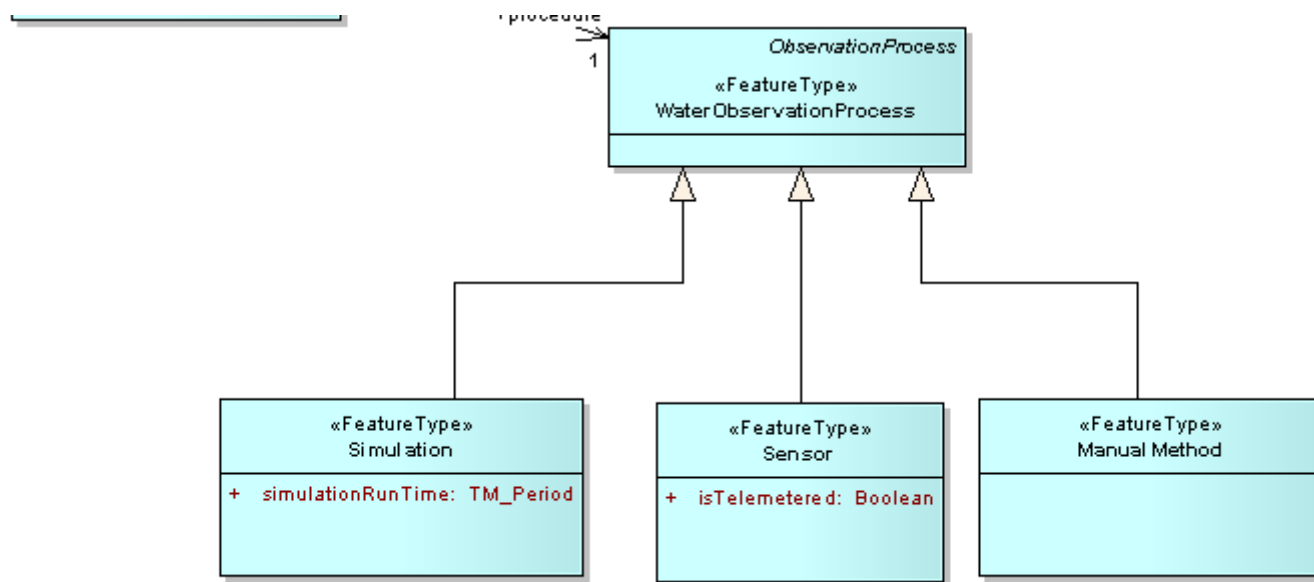
# Time series encoding

- A conceptual time series model, with:
  - A GML-style coverage encoding
  - A SWE Common encoding
  - Other types (compact)
  - Test in Interoperability experiments
  - How many to ultimately support?



# Procedure descriptions

- Define a basic process structure with metadata
  - Provide linkage mechanisms for full descriptions



# A work plan

- Finalise the harmonisation report (next 2 weeks)
  - Release as public document?
- Targeting June for an OGC document:
  - Outline the use cases for exchange
  - Specifying the profile of O&M (UML)
  - Showing how to use the profile for particular use cases
  - Adapting the model for use (referencing code lists, parameters etc.)
  - Provide XML encoding
  - Provide XML examples
- Defining what aspects people can/will work on 😊
- Future work (out of scope for June):
  - Rating curves
  - Water quality (ex-situ observations)

## CSIRO ICT Centre

Pete Taylor  
Research Engineer

**Phone:** +61 3 6232 5530

**Email:** [peter.taylor@csiro.au](mailto:peter.taylor@csiro.au)

**Web:** [www.csiro.au/science/TasICTCentre.html](http://www.csiro.au/science/TasICTCentre.html)



Thank you

## Contact Us

**Phone:** 1300 363 400 or +61 3 9545 2176

**Email:** [Enquiries@csiro.au](mailto:Enquiries@csiro.au) **Web:** [www.csiro.au](http://www.csiro.au)