2.1   LRS model

Four packages constitute the NHNC1 : *Hydro Network*, *Hydrographic*, *Hydro Events* and *Metadata*. The *Hydro Network* package contains the set of classes that form the linear network. The *Hydrographic* package contains the set of classes that form the graphical representation of features related to the linear network. The *Hydro Event* package contains attributive information that are referenced to *Hydro Network* geometry.The *Metadata* package contains information that describes the data themselves (date, accuracy, and so on). The portion of toponymy associated to Hydro feature data is part of the National Toponymy Model. This model associates geometries with official names and the classes used from the Toponymy Model are described in an external package called *Toponymy* for better understanding (issues involving text placement on paper or computer screen are excluded from consideration at this point).
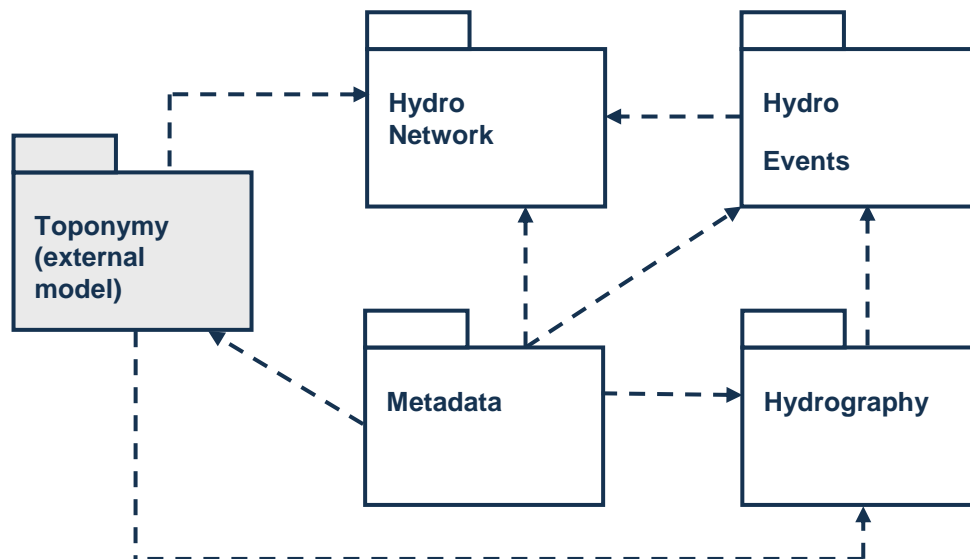

Figure 2 – Packages in the NHNC1 LRS model