***Metamodel and Model***

* A new version of the metamodel has been defined, trying to reduce the number of different WTC types.
  + Ecore file: WTSpec4M50.ecore
  + Ns URI: http://WTSpec4M/5.0
  + Only 34 different WTC types are considered now
* A new example model has been prepared, based on the previous one but conforming to this *new* metamodel.
  + WindPower4MONDO.wtspec4m

***User roles***

There will be four different user roles working with the collaborative modeling tool. They are explained below.

***User 1: WT Owner***

* Can add, remove and modify all types of item in a *Wind Turbine Control System (aka WTCS)* model.
* It is a kind of “*super user”* for editing *WTCS* models.

***User 2:*** ***WT IO manager***

* Can add, remove or modify *SystemInput* and *SystemOutput* items.
* Cannot edit, nor even view any other type of item.
* He/she will only work with *SystemInput* and *SystemOutput*, and has no access to any other element in the model.

***User 3:*** ***WT manager***

* Can add and remove *MainSubsystem* items for a WT
* Can modify the properties of any *MainSubsystem* item
* The difference of ***WT Manager*** role compared to ***WT Owner*** role is that the latter can add or remove SystemInput and SystemOutput items as well as modify them, while the first onecan only view them and reference them from WTC items. So, SystemInput and SystemOutput items are read only items for a ***WT manager***.

***User4: Subsystem manager***

* Can only edit the content of a MainSubsystem item
* Can add and remove Subsystem items contained by the MainSubsystem item
* Can add WTC items in a Subsystem or MainSubsystem
* Can remove WTC items contained by a Subsystem or MainSubsystem
* Can reference *SystemInput*, *SystemOutput*, *SystemParam* items from WTCs

***User5: “Specific” subsystem manager***

As a more fine grained rule than the one specified for User4, would it be possible to define a control access rule depending on some property of a domain concept ?

Eg. would it be possible to define rules like

* “Peter (or *Generator control engineer*) can edit a MainSubsystem when it is named (value of sysId property) as ‘Generator’”
* “Mary (or *Converter control engineer*) can edit a MainSubsystem when it is named (value of sysId property) as *Converter*”
* “John (or *Pitch control engineer*) can edit a MainSubsystem when it is named (value of sysId property) as *Pitch*”