GRACIOUS Wiki and Blueprint

GreenDecision Thinkworks IDEA consult

Zabeo A.[1,], Basei G.[1], Carisi M.[1], Chiarot G.[1], Pizzol L.[1], Jeliazkova N.[2], Traas L.[3], Vanhauten R.[3], Hristozov D.[1*]*

* Corresponding author. Contact: alex.zabeo@greendecision.eu – danail.hristozov@greendecision.eu
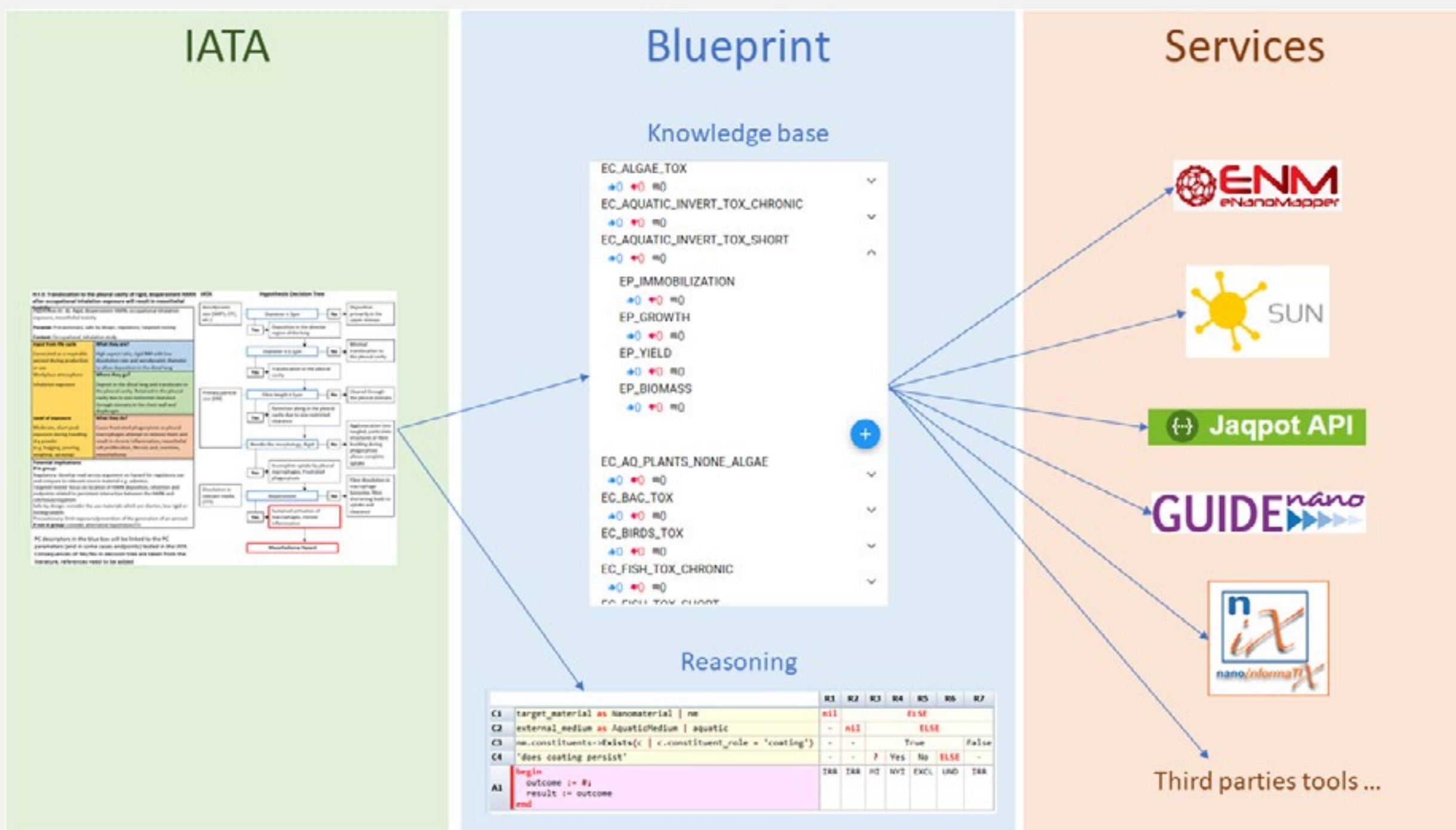
Knowledge coming from Integrated Approaches to Testing and Assessment (IATA) developed in the project is organized into the Blueprint which acts as knowledge base for the implementation of external services for grouping and read across.
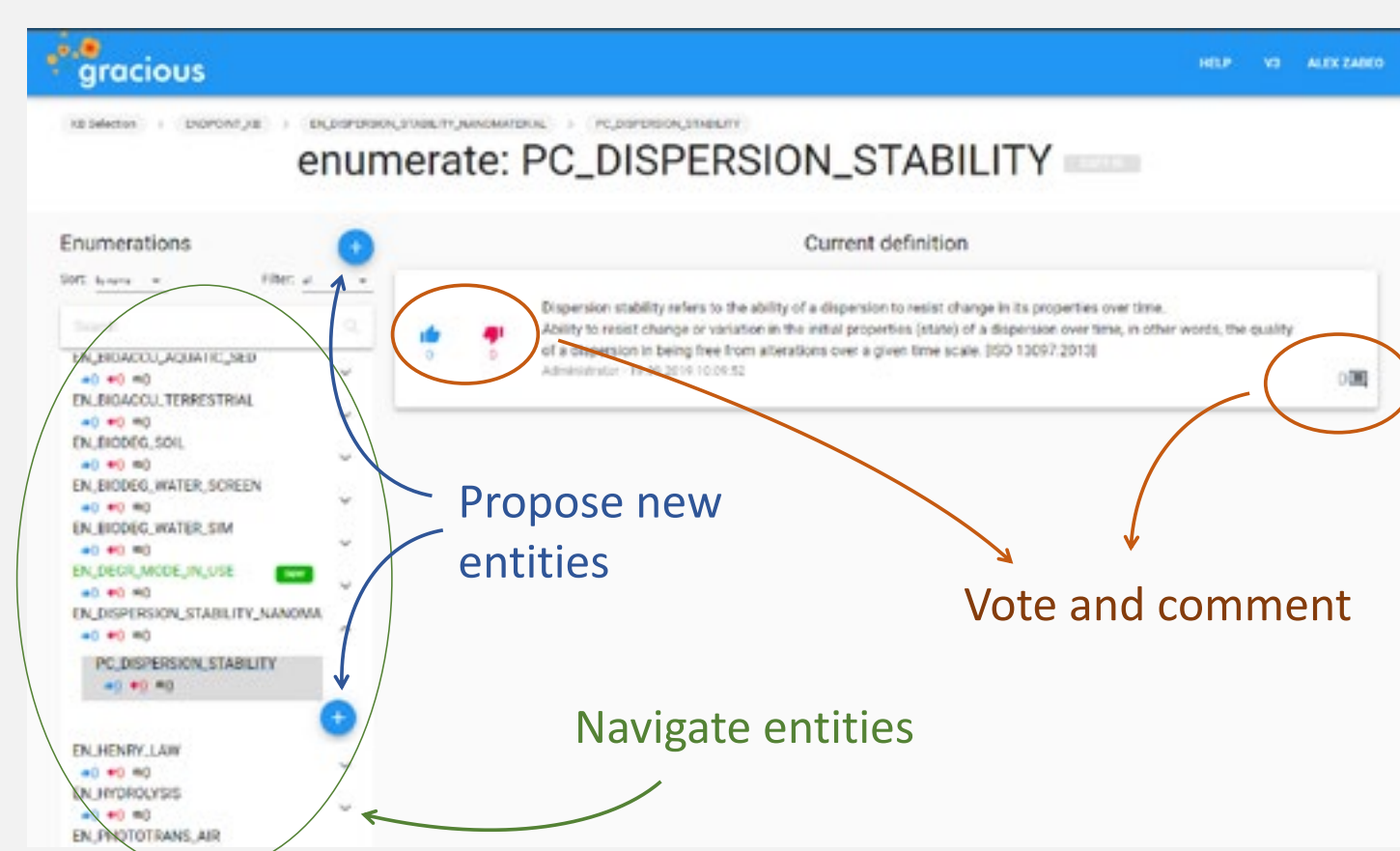
Gracious Blueprint

The large number of nanoforms and the high complexity of their interactions have made their safety assessment very resource intensive. To reduce testing costs and use of experimental animals, the GRACIOUS project has proposed grouping hypotheses and developed Integrated Approaches to Testing and Assessment (IATA) to generate the data needed to substantiate the hypotheses.

To enable implementation of hypotheses and IATA into nanosafety assessment software tools (e.g. SUNDS, GUIDEnano Tool, NanoInformatix Platform), a "blueprint" (design document) has been developed describing in detail both their structural aspects (class-diagrams) and behavioral characteristics (algorithms, decision trees/tables, rules). The blueprint not only acts as a reference guide for software implementation of the grouping strategies, but also serves as the fundamental structural design for the entries of the GRACIOUS database

Gracious Wiki

The "blueprint" is a living technical design document continuously updated. To keep all involved experts updated about blueprint entities (e.g. properties, endpoints), while at the same time help them reaching agreement on selection and definition of such entities, the GRACIOUS Wiki web application has been developed and it's available at

https://graciouswiki.greendecision.eu

Gracious Wiki web application allows to navigate elements of the Blueprint as well as vote or comment items' definitions and propose new entities to be included

---

1. **Greendecision Srl.**, Venice, Italy
2. **ThinkWorks B.V.**, Delft, Netherland
3. **Idea Consult**, Sofia, Bulgaria