Software Ecosystem

Santiago Bernabéu Stadium Renovation
One of the reasons for the adoption of BIM Methodology in projects is the benefit of transparency and access to data, both of which help to solve two of the main problems in construction: time, which is always delayed, and budget, which is always spent more than estimated. Both contribute to solve two of the main problems of construction: time, which is always delayed, and budget, which is always spent more than estimated. Based on the fact that there are software that have been created from the premise of the BIM Methodology and for which the workflow is easier, the updates of different programs are adapting to the speed and versatility that BIM has, consolidating as BIM software in the latest versions. For this, it has been necessary to create Plugins with which to generate OpenBIM formats. These Plugins allow interoperability with other BIM software, since they allow importing and exporting in IFC format and (Industry Foundation Classes) in the IFC 2x3 and BCF version. These versions are chosen because they are the most complete for exporting information.

Note: Software ecosystem complete diagram
The interoperability between different models generated by the same software acquires the own extension of each software. Creating the diagonal in the matrix of models that are shared with each other with the same extension. This diagonal line becomes a mirror of one side and the other of the matrix. It is enough to keep one of the parts to represent and understand it.

Note: Software ecosystem main diagram