# Jython and Java Use in IA/SPG
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# ICC Statement to ESA

➢ It is intended that the main building blocks - at the "task" level - will be written in Java, at least eventually. It is anticipated that Jython will be commonly used for prototyping these tasks. In these cases they will be converted to Java when stable, or for performance reasons. Standard data processing is therefore expected to use a mixture of Java and Jython.

➢ The same is largely the case for lower-level algorithms and mathematical functions, with the difference that they are more likely to be written in Java in the first place, particularly the latter.

# ICC Statement to ESA

➢ Elements of the system that come under an infrastructure category will be written in Java.

➢ Tasks that become a part of the SPG will be written in Java. The top-level "script" that runs these tasks as a pipeline is expected to be written in Jython.

➢ The average user of IA is not expected to be a Java programmer and will normally write their own scripts and tasks in Jython. Users may contribute their code to the ICC with the possibility of it being converted to Java and being made available as part of the IA distribution.