

Service specifications in On-The-Fly Computing are expected to be written in different languages. In subproject B1, we develop a common core language so that these specifications are comparable with each other, in order to perform matching of services for a composition.

We propose this core language to be modularized in order to support the use cases and separation of concerns in OTF Computing.

In our presentation, we will illustrate which modules we have identified and how we derived them.

We also show how these modules can be grouped into views that support the OTF use cases.

Furthermore, in OTF Computing, we are confronted with a trade-off between a precise and efficient matching.

Thus, each of these modules has to be developed with regard to this trade-off.

For that, we will present a general process for the development of the core language. We will illustrate it on a concrete example.