FAME 3 API in OpenRiskNet

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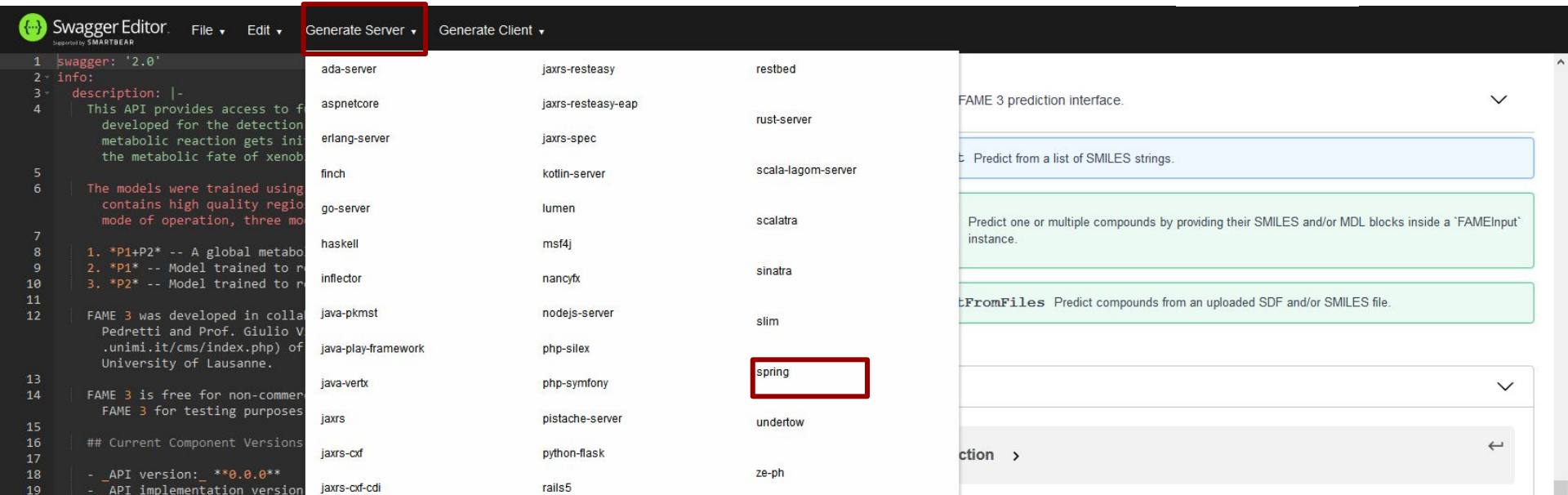
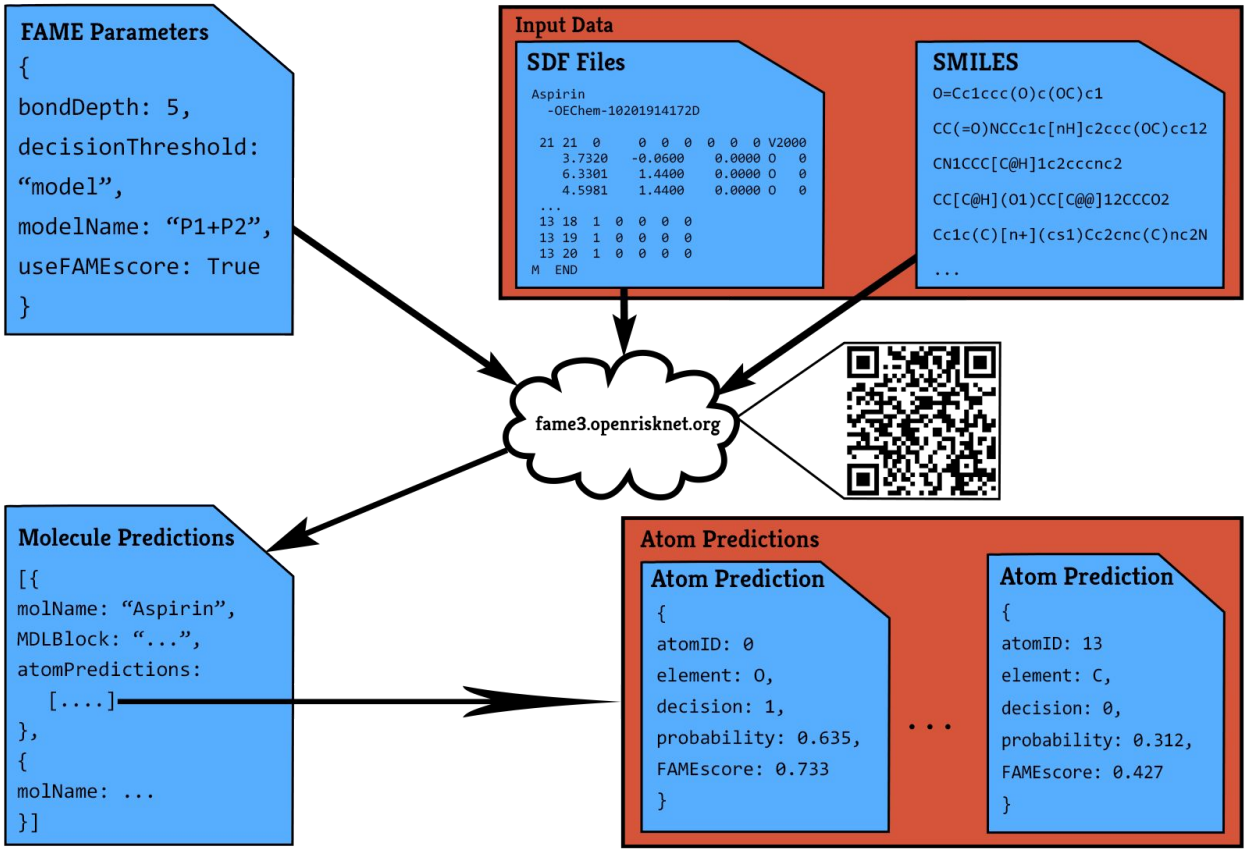
> FAME 3 API – implementation

- API designed according to the OpenAPI 2.0 standard (fka Swagger RESTful API Documentation Specification)
- Original FAME 3 software package in Java => spring BOOT



> FAME 3 API – using it



```
import requests
```

```
parameters = {
    'modelName' : 'P1P2'
    , 'bondDepth' : "DEPTH_5"
    , 'useFAMEScore' : True # turn this off for faster calculation
    , 'smiles' : cpds["SMILES"].tolist()
    , 'decisionThreshold' : "model"
}
```

```
resp = requests.get(
        url + '/prediction'
        , params=parameters
        , headers={"accept" : "application/json"}
    )
```

```
if resp.ok:
    json_data = resp.json()
    for prediction in json_data['predictions']:
        process_molecule(prediction)
else:
    print("Prediction failed...")
    process_error(resp)
```