

Integration of I4.0 standards

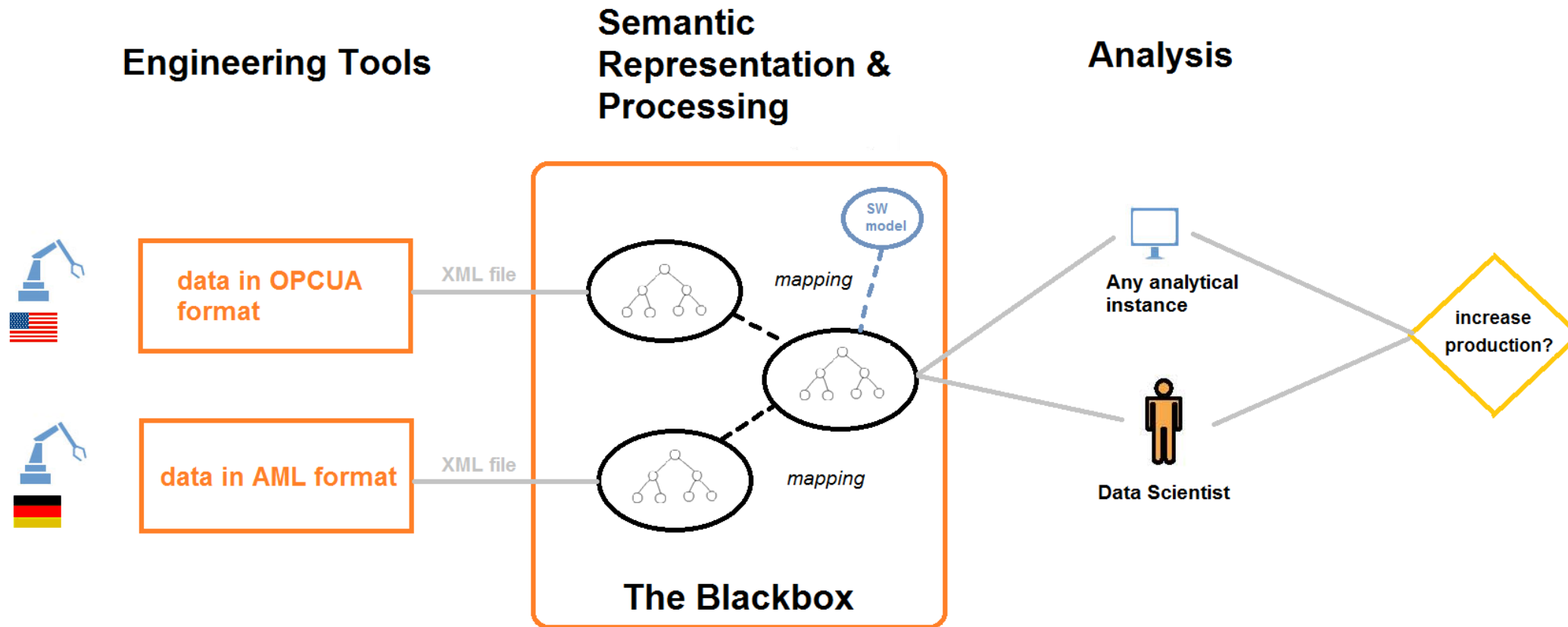
Alina Arunova, Maxim Maltsev, Philipp Matyash, Sattar Rahimbeyli

Mentor: Irlán Grangel

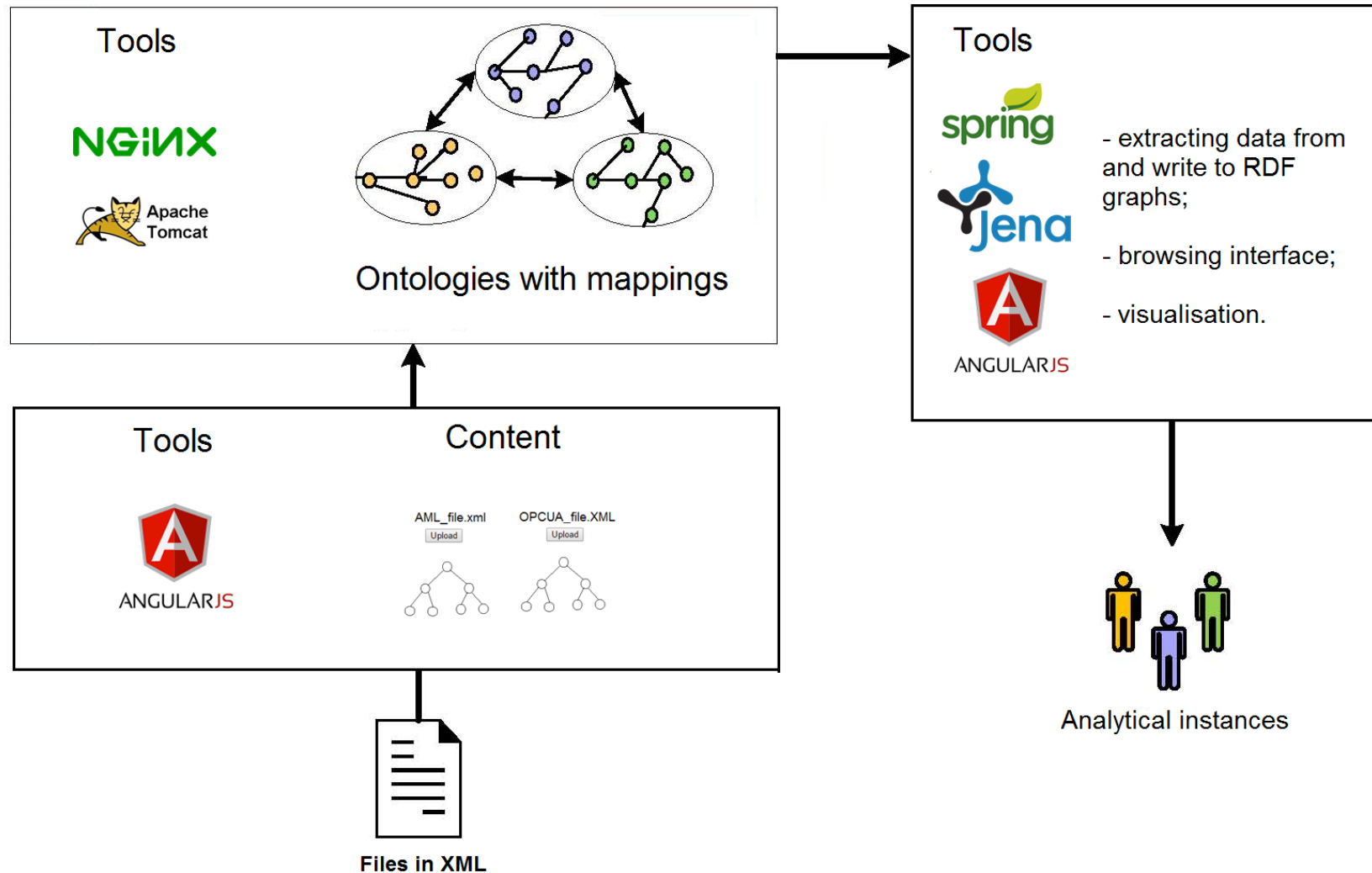
Our web application for the integrating of I4.0 standards will use an innovative and universal approach by applying such Linked Data technologies as RDF. Its main **functionalities** will include:

- **Integrating** of any kind of data from different companies, branches or departments of organizations;
- Intuitive **visualization** of the input files and newly produced ones;
- Advanced data analysis and **error checking** in order to produce a qualitative result after the processing.

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file:///C:/Users/Desktop/I40.html

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AML_file.xml

The AML_file.xml graph shows a root node connected to two intermediate nodes via `rdf_1` and `rdf_2`. The first intermediate node (`http://.../BeckySmith`) is connected to `Becky Smith` (via `vcards:FN`) and `Becky` (via `vcards:N`). The second intermediate node (`http://.../JohnSmith`) is connected to `John Smith` (via `vcards:FN`) and another node (via `vcards:N`). This second node is further connected to `John` (via `vcards:Given`) and `Smith` (via `vcards:Family`).

OPCUA_file.XML

The OPCUA_file.XML graph shows a root node connected to two intermediate nodes via `rdf_1` and `rdf:type`. The first intermediate node (`http://.../Bag`) is a simple node. The second intermediate node (`http://.../BeckySmith`) is connected to `Becky Smith` (via `vcards:FN`) and `Smith` (via `vcards:N`).

[Download AML_file.XML](#)
[Download OPCUA_file.XML](#)
[Download Integration_file.XML](#)

Integration graph

The Integration graph shows a root node connected to two intermediate nodes via `rdf_1` and `rdf:type`. The first intermediate node is partially visible.

22:23
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Q&A?