

Quantitative characterisation of iron ore pellets based on optical microscopy and machine learning

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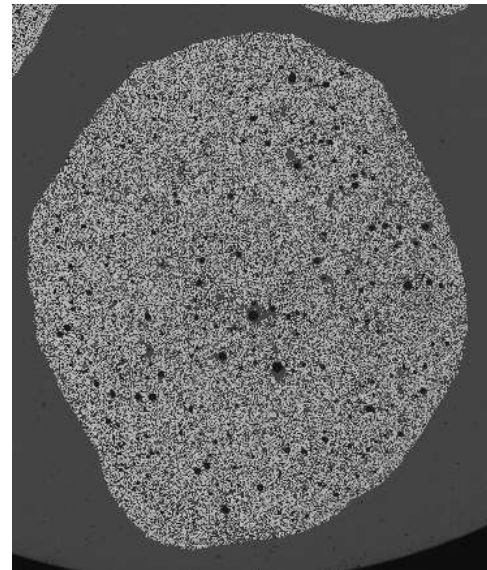
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Purpose and goal of the project

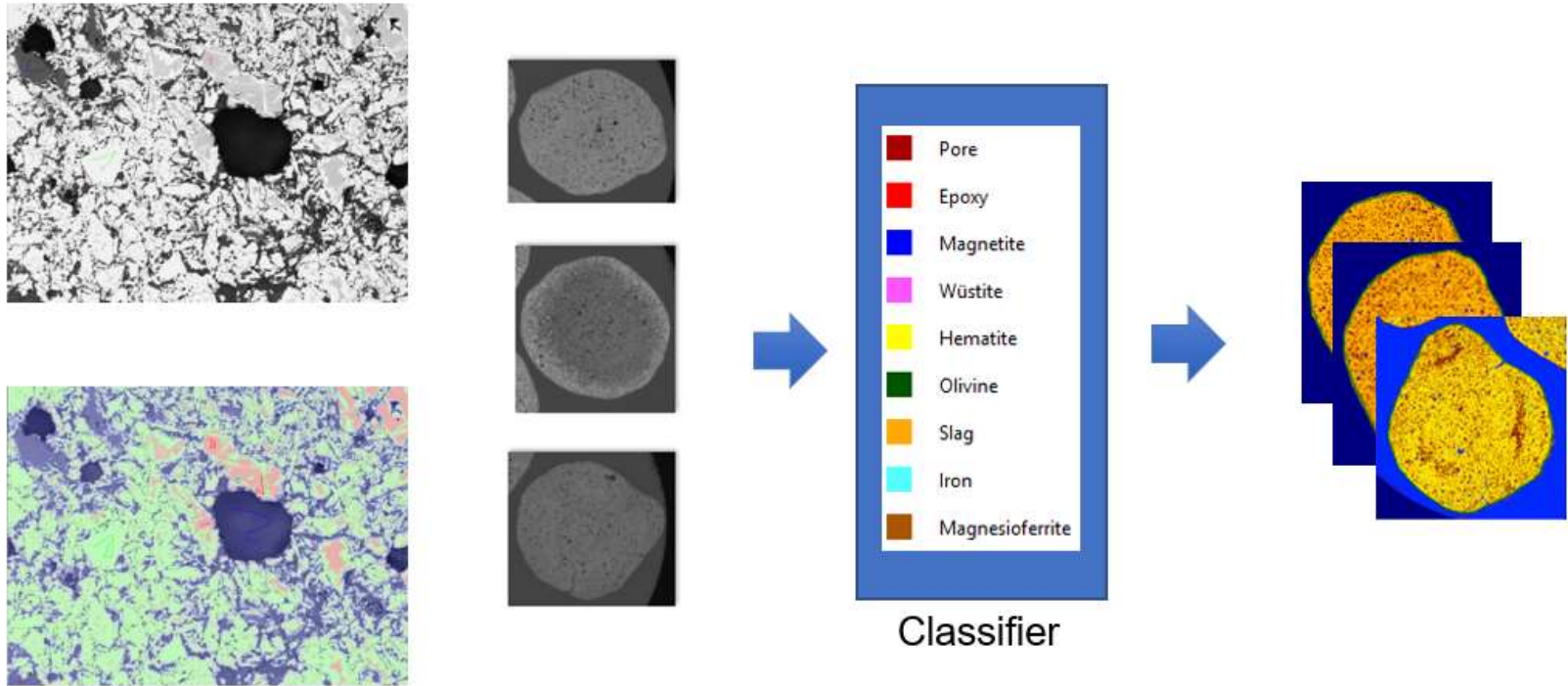
Proof of concept:

Automated and quantitative system for iron ore pellets

- identify relevant phases
- estimate their distributions
- measure porosity
- degree of sintering.



Material and Methods



The way forward

Automated and quantitative system for iron ore pellets

- Larger dataset
- CNN
- Commercial system

