

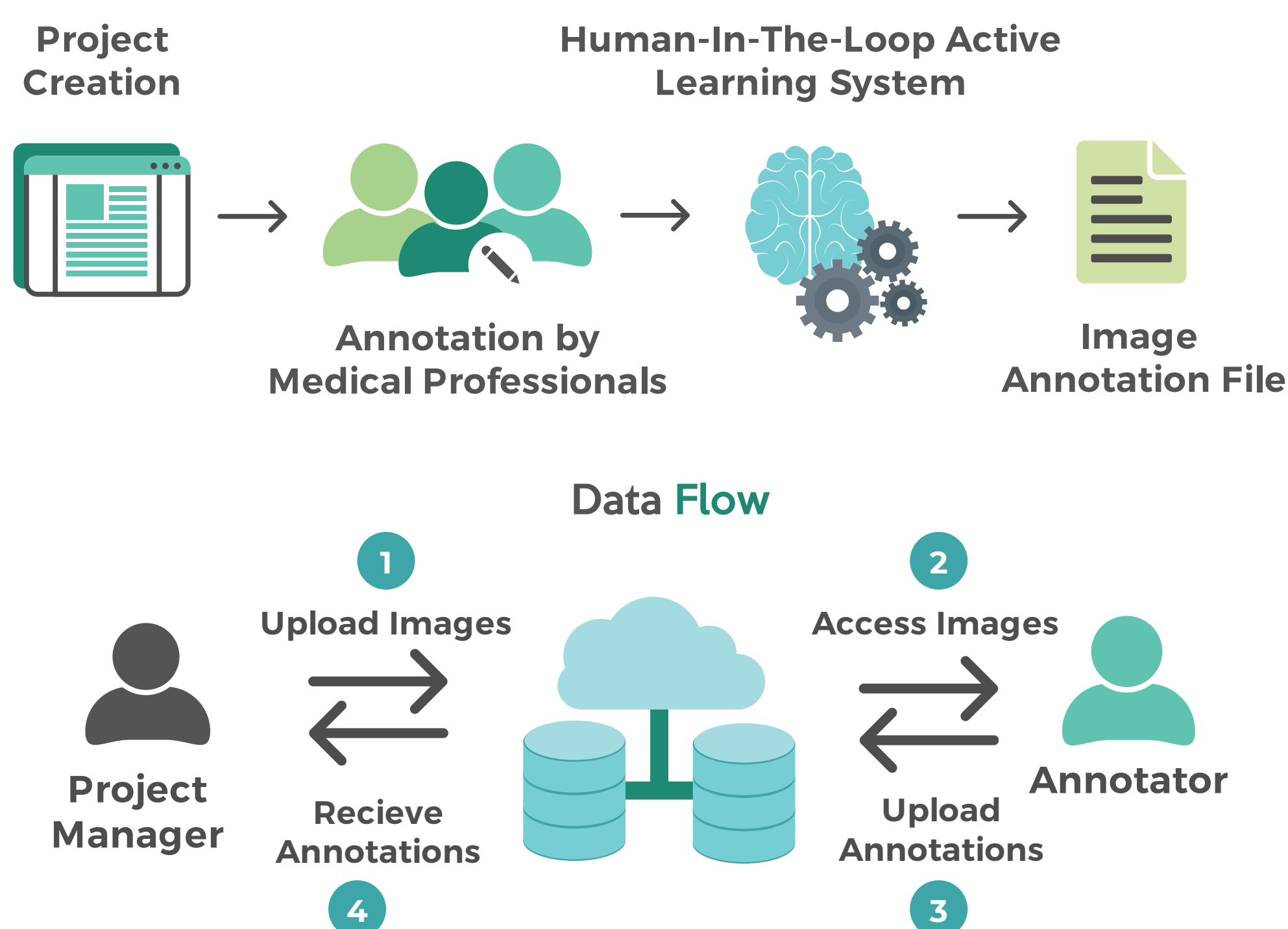
Problem Statement

Medical institutions generate large volumes of biomedical image data that can be used to train supervised models for valuable AI-assisted diagnosis in healthcare. However, annotating biomedical images is a laborious process that also needs input from professionals for accuracy.

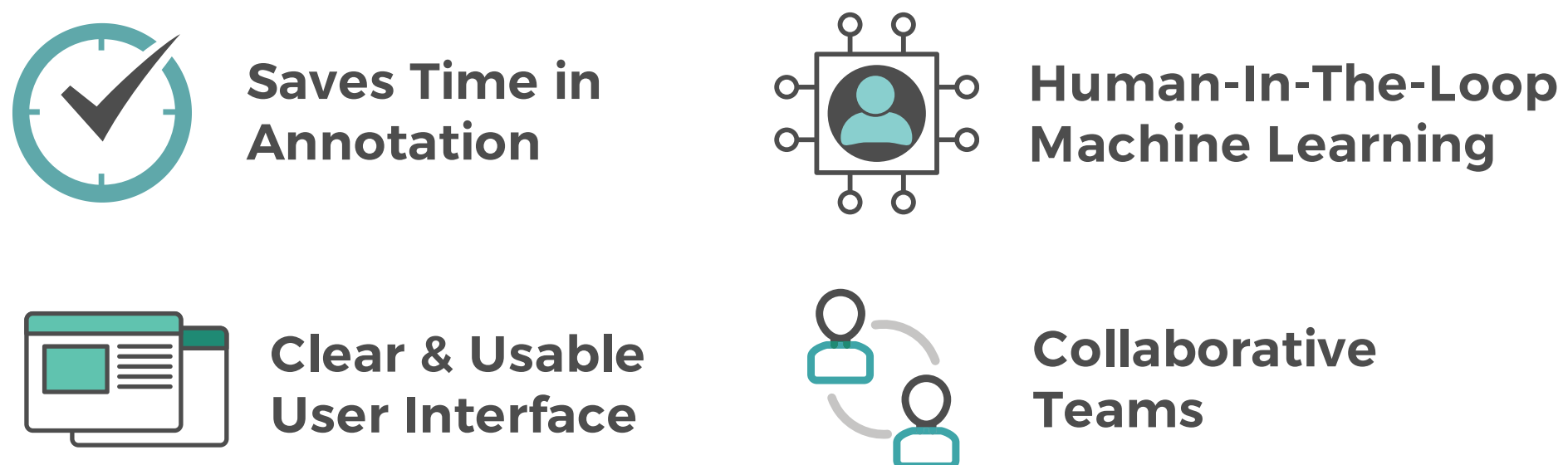
Proposed Solution

- Online, collaborative tool
- Specialised for medical professionals
- Smooth completion of annotations with an optimised user interface
- Human-In-The-Loop active learning architecture built on a pre-trained machine learning model

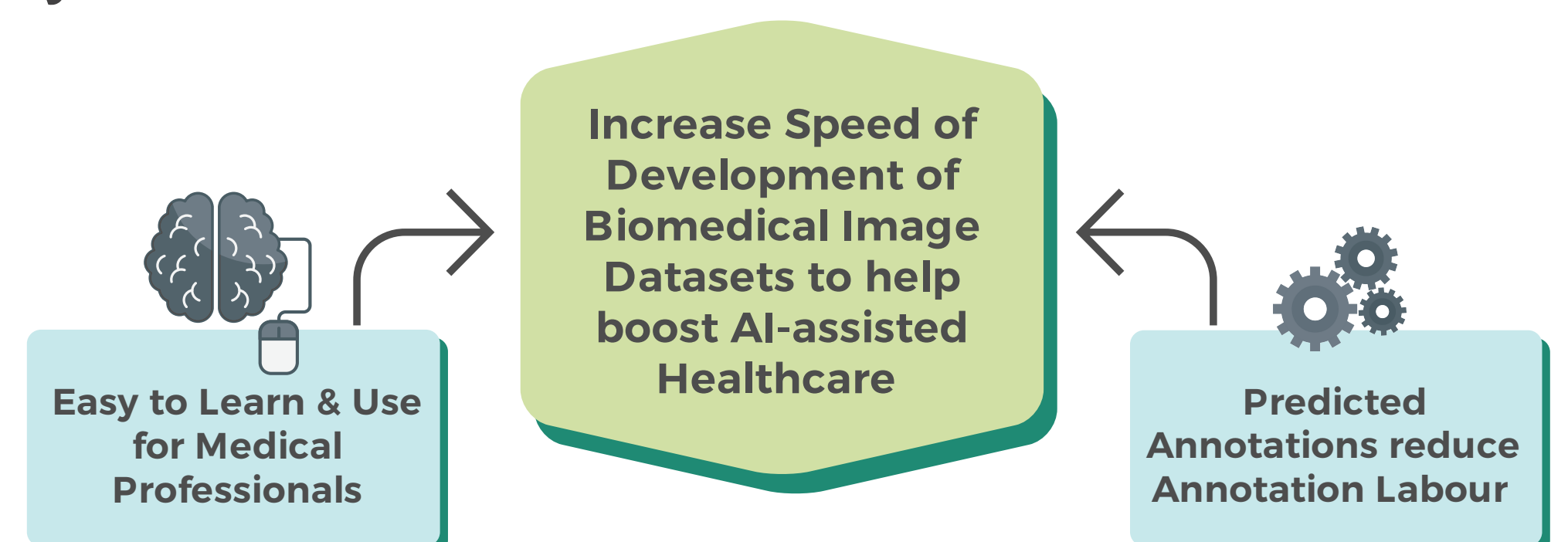
Methodology



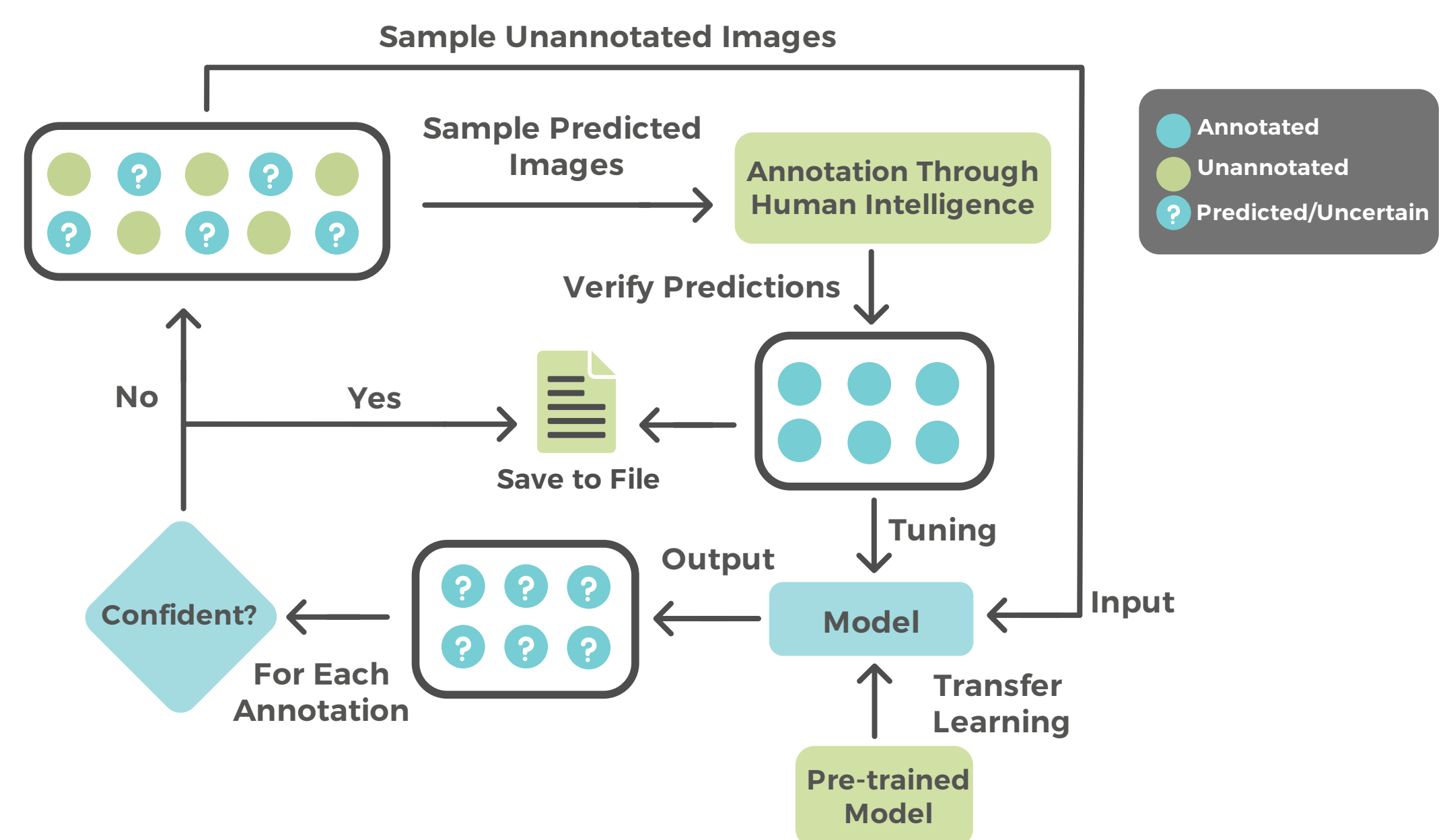
Features



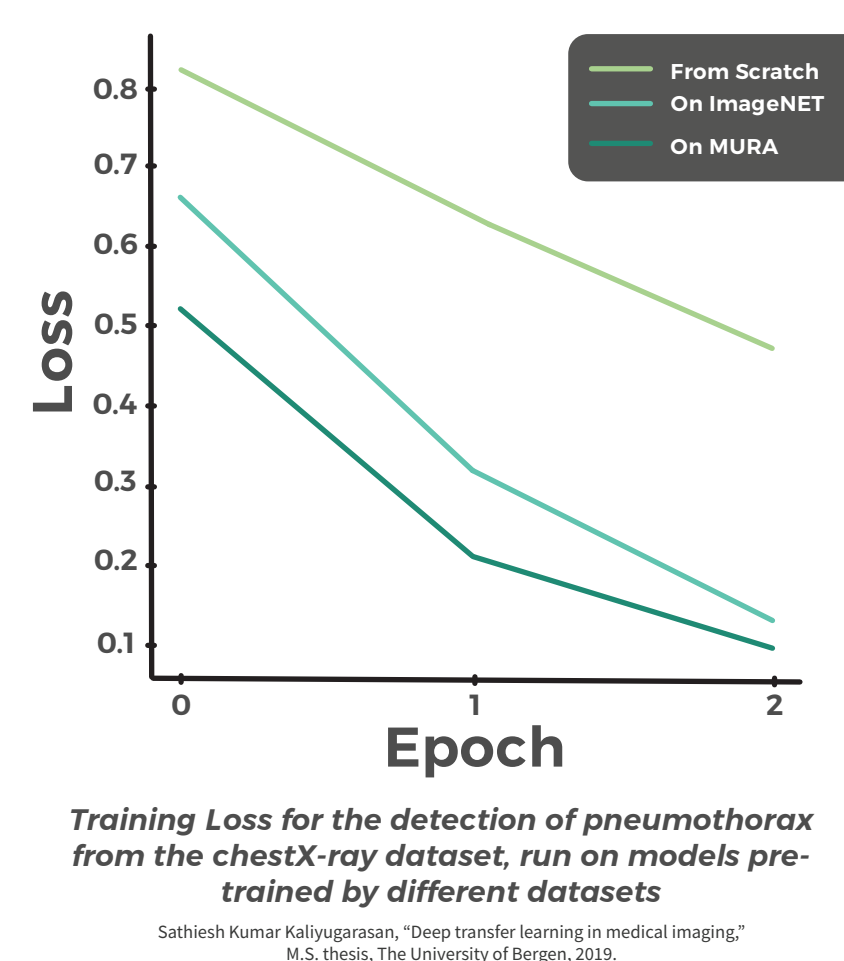
Objectives



Architecture



Results



Conclusion

The project will be evaluated on the following metrics:

- Accuracy of the annotation prediction confidences
- Time-taken to annotate compared to similar software
- Evaluation by Nielsen's 10 Usability Heuristics

Technology



Group Members

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