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ECiDA

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ECiDA: Evolutionary Changes in Distributed Analysis

Poster · March 2019

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ECiDA

Evolutionary Changes in Distributed Analysis



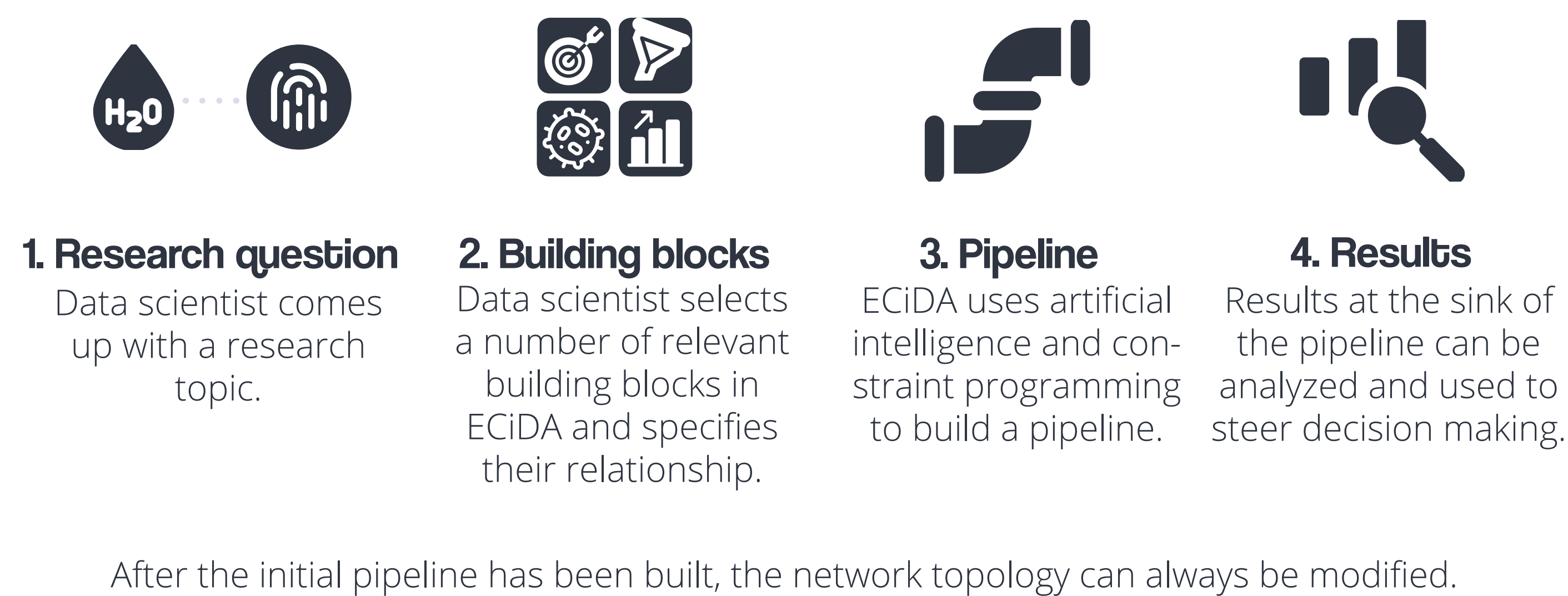
The project

Current data analysis platforms all too often rely on the fact that the analysis and underlying data is static. In reality this is nearly never the case: data scientists come up with new methods to analyze data all the time, and data sources are almost by definition dynamic.

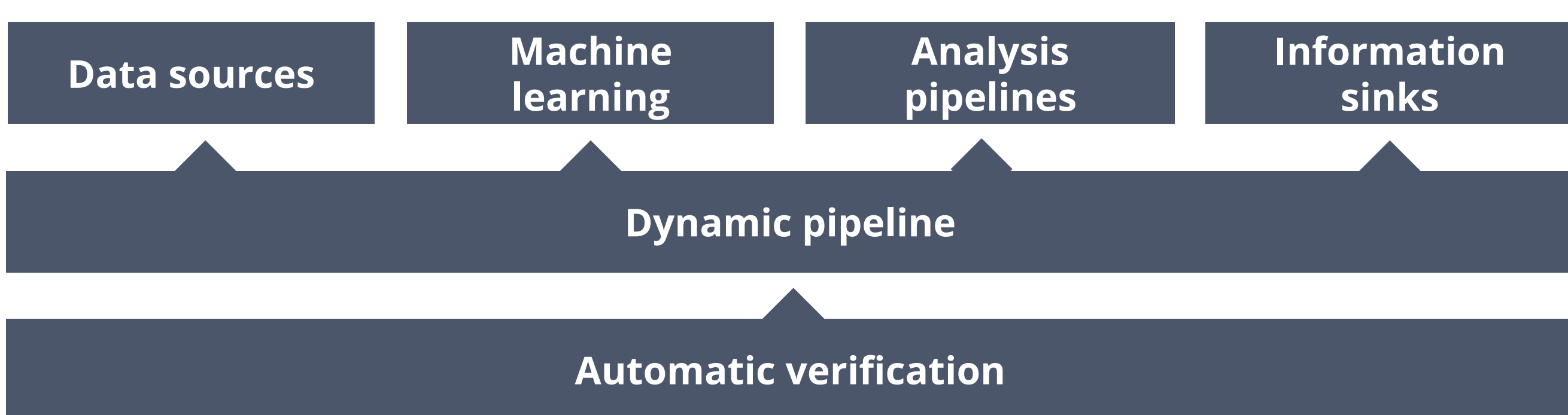
ECiDA revolves around three main concepts:

- **Dynamicity:** components in ECiDA must be dynamic.
- **Consistency:** changes in ECiDA can never result in a faulty state.
- **Abstraction:** ECiDA should offer a usable system, hiding any unnecessary complexity.

Procedure



Architecture of change



Collaboration

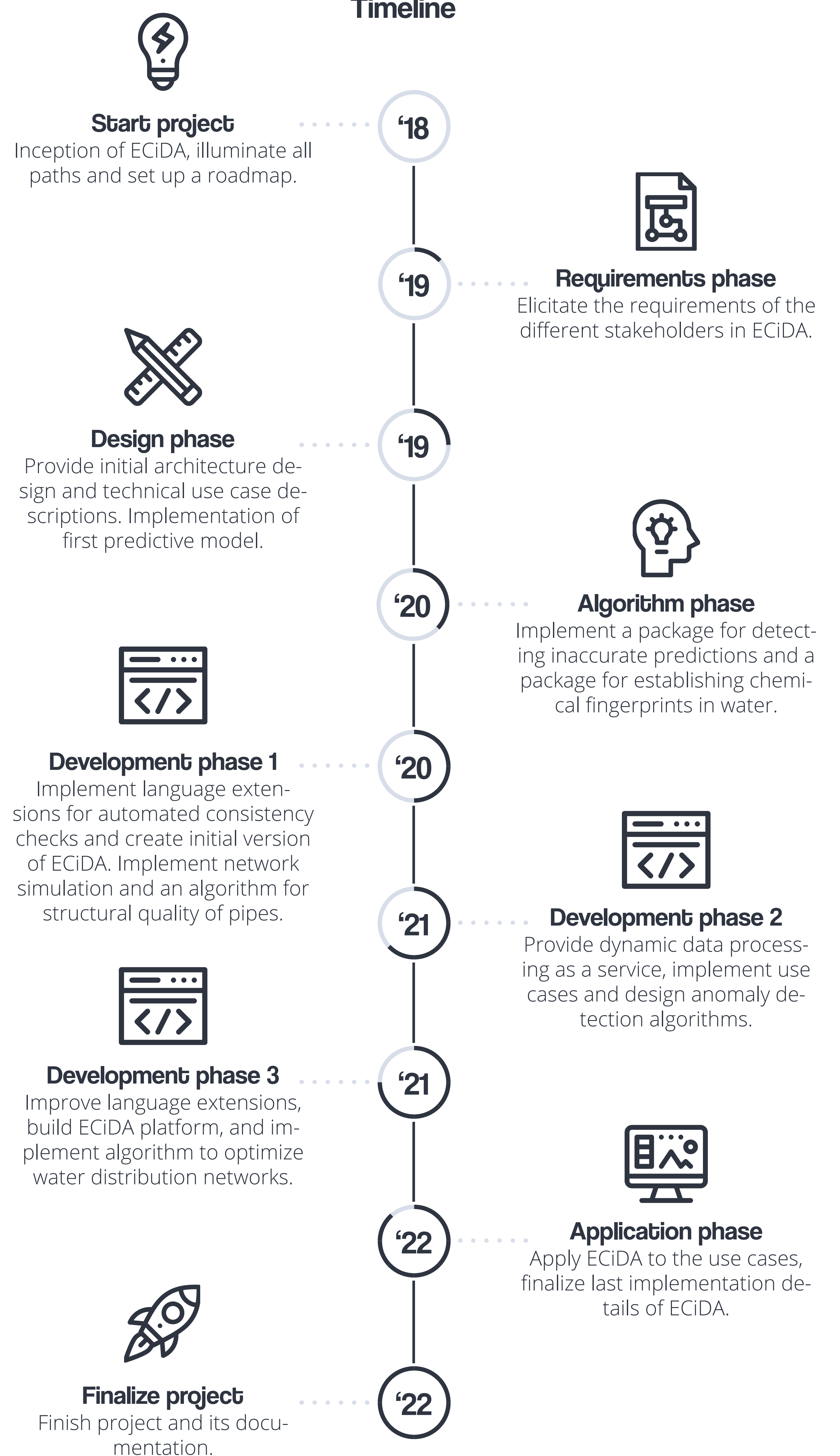
ECiDA is being built as a **general purpose** data science tool. If you would like to learn more, or would like to collaborate, feel free to contact us at:

f.j.blaauw@rug.nl

Use cases

- **Water top sector:** Water distribution monitoring and automation.
- **Life Sciences and Health top sector:** Prediction and maintaining of water quality.
- **HTSM/Smart Industry top sector:** Structural reliability of pipes.

Timeline



Partners

