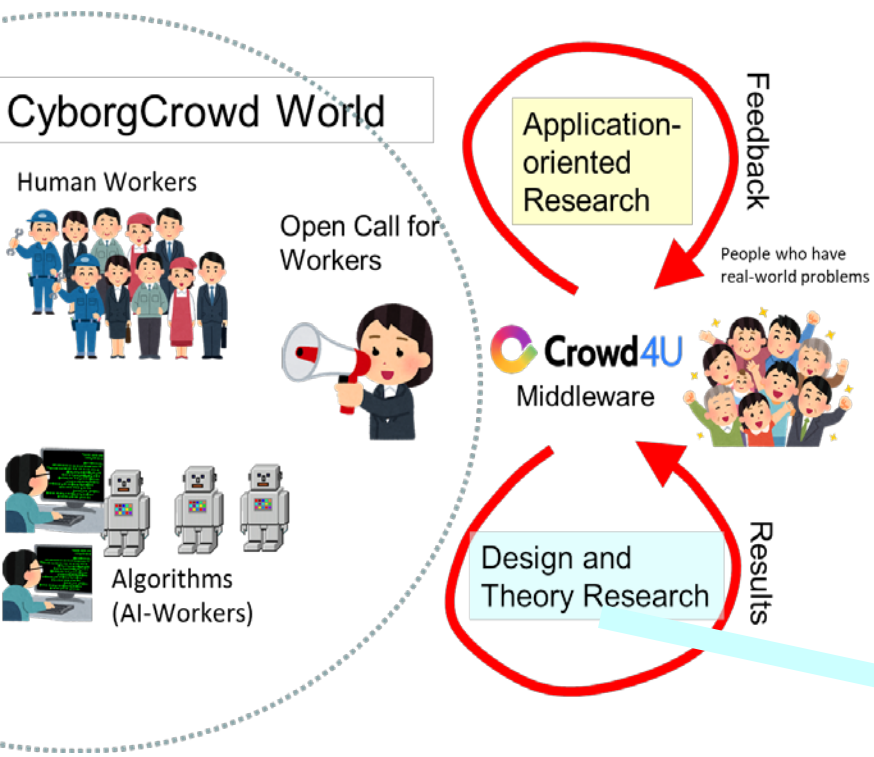
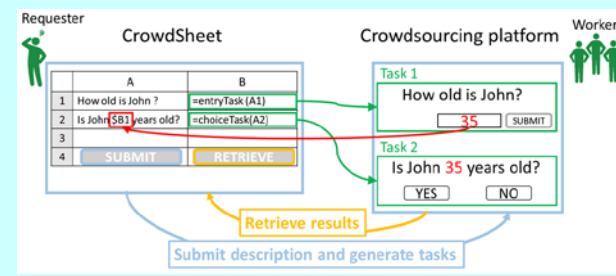


- Japanese-government funded Project (three million dollars for five years)
- **Goal:** To develop fundamental technologies for the era we can access billions of both human and AI workers
- **Approach:** Take a middleware-centered action research

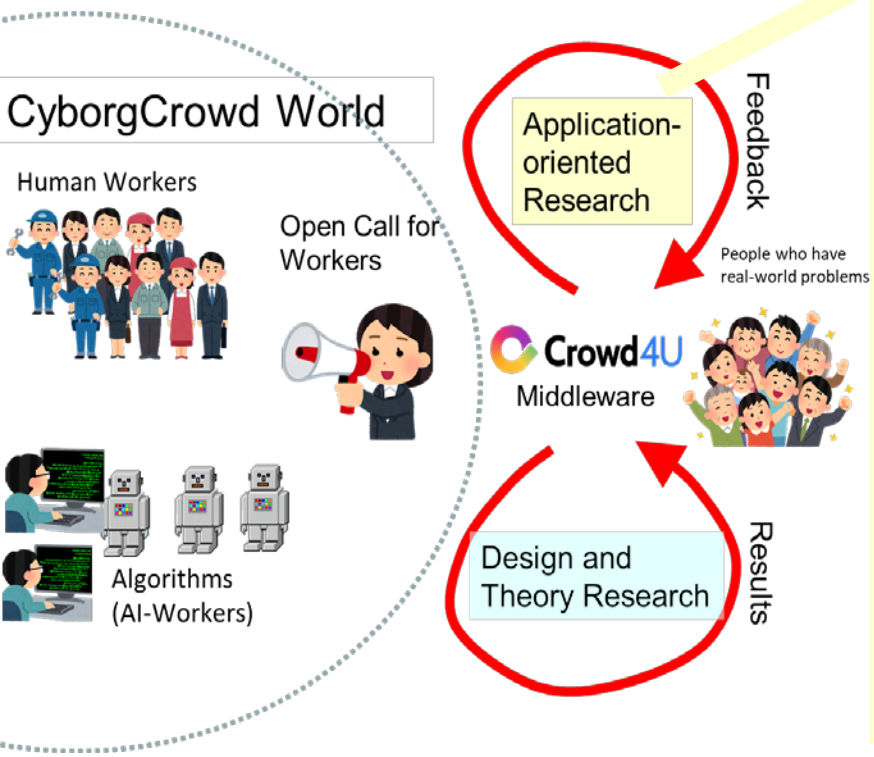


- **Immediate:** Develop tools to help ordinary users to develop and deploy solutions including dataflow immediately after the problem occurs



- **Unified:** Use the power of the resources regardless their types (humans, AIs, robots), abilities, places or the time they can join.
<https://youtu.be/QrOcYxQovHg>
- **Optimized:** Develop a full declarative framework where users only specify their goals without the details of the solution

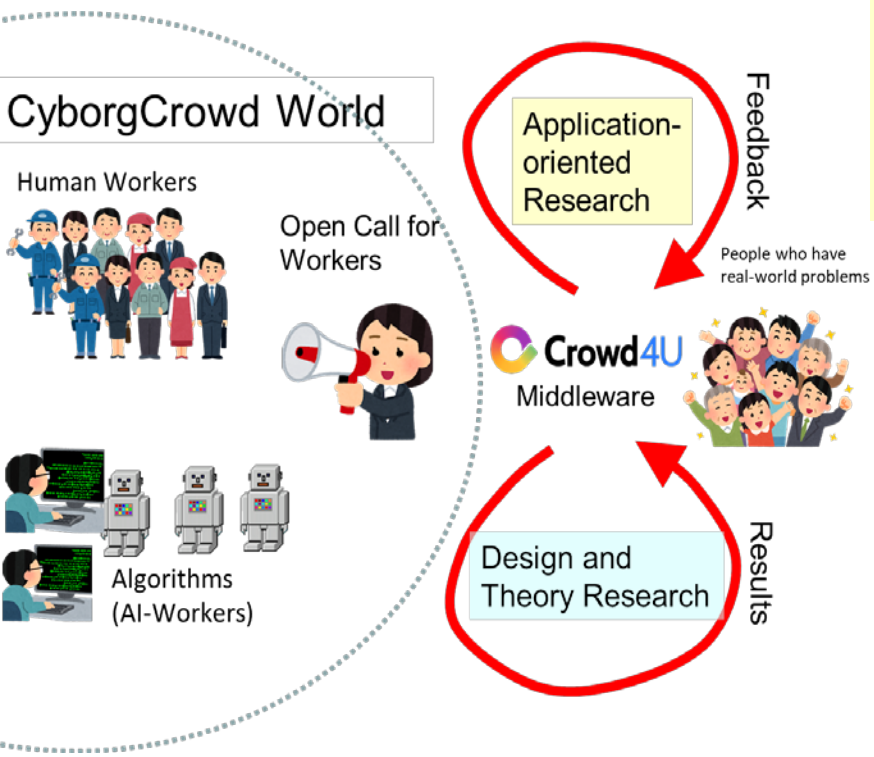
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- Cyber-Physical Natural Disaster Drill
- Made the session draft for VLDB 2018
- NDL project (Japanese “Library of Congress”)
- Digital Archive for “Fukushima Futaba” at Japan 2011 disasters

We have connections to public organizations having real-world applications
<https://www3.nhk.or.jp/inews/niigata/20180701/1030003739.html>

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What we can provide are:

P1. Tools and Middleware: We can demonstrate some of the tools developed in the CyborgCrowd project – Languages and Tools

P2. Open Platform - Opportunities for your algorithms to be used in the real-world applications

What we seek are:

S1. Real-world Applications outside Japan We are seeking those who have real-world applications of crowdsourcing for which an international collaboration might be beneficial.

S2. Experts on ELSI (Ethical, Legal, Social Issues) We have started the discussion on ELSI in the CyborgCrowd world where crowd workers and AI workers cooperate. We are seeking experts who are familiar with these issues.

