

# Kojobotics

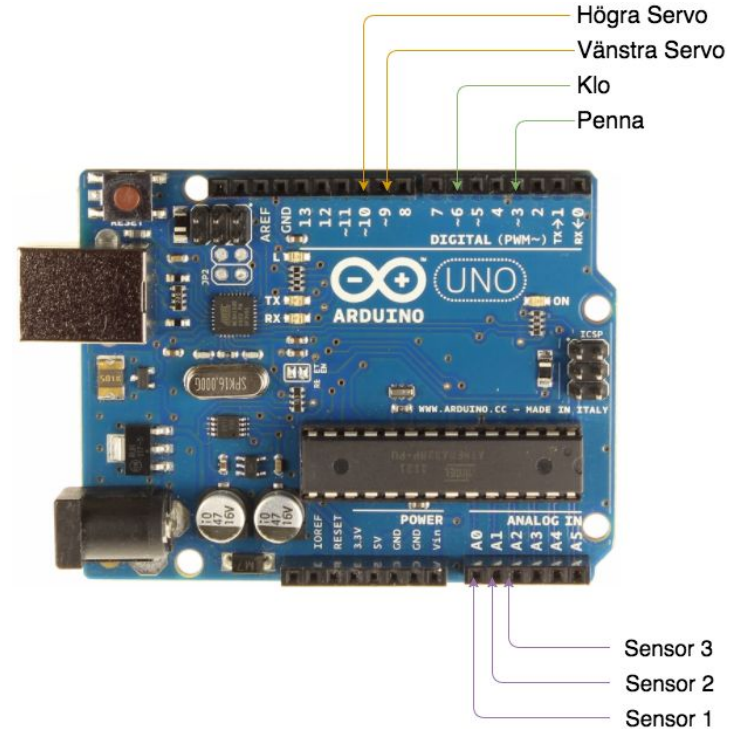
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# Background & aim

- Vattenhallen ODD-Bot
- Educational tool
- Sparki

# Arduino

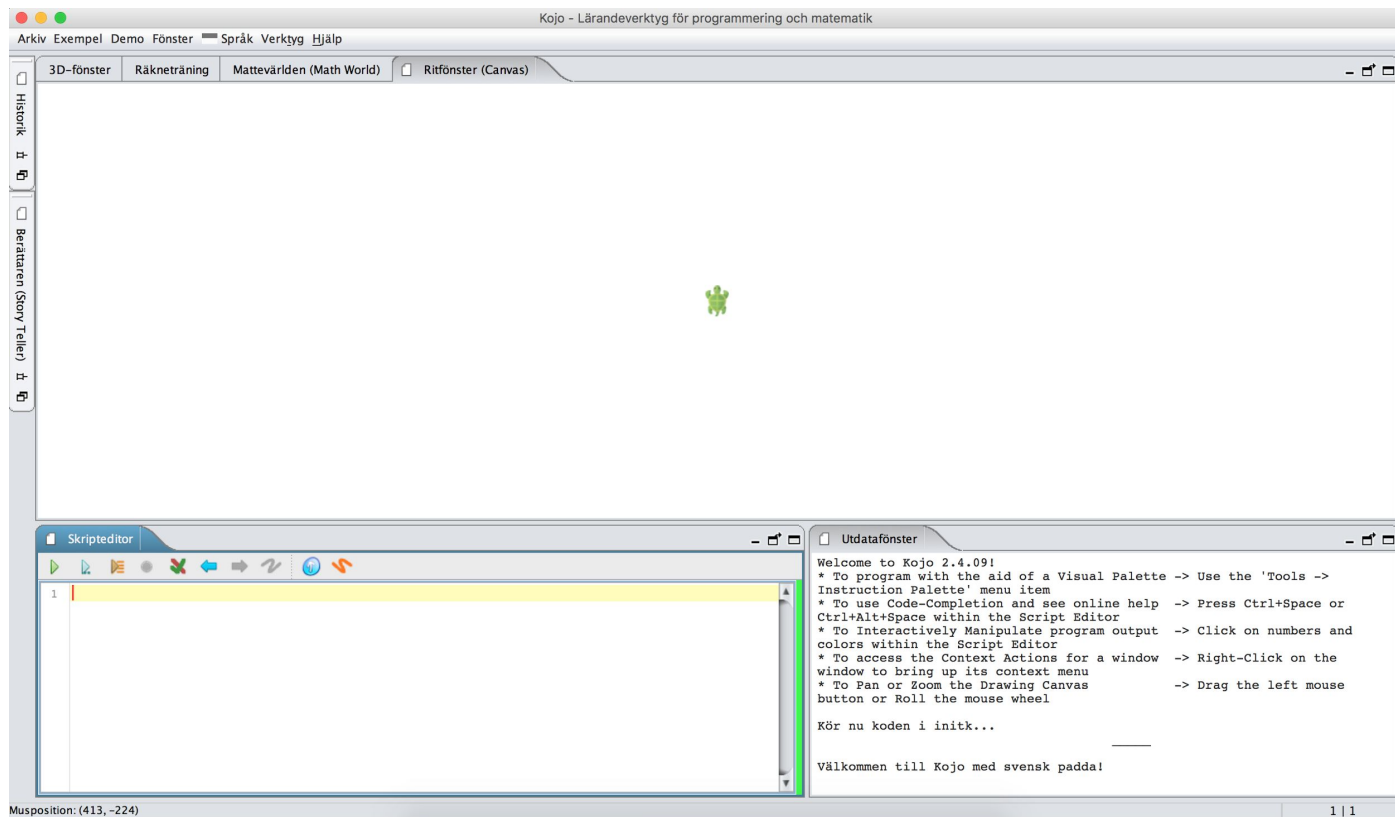
- Arduino Uno
- Control signal digital ports
- Input from sensors Analog In



# Kojo

- Educational tool for programming, mathematics etc.
- Provides a GUI.
- Developed by The Kogics Foundation in India with Lund University as one of the sponsors/partners.

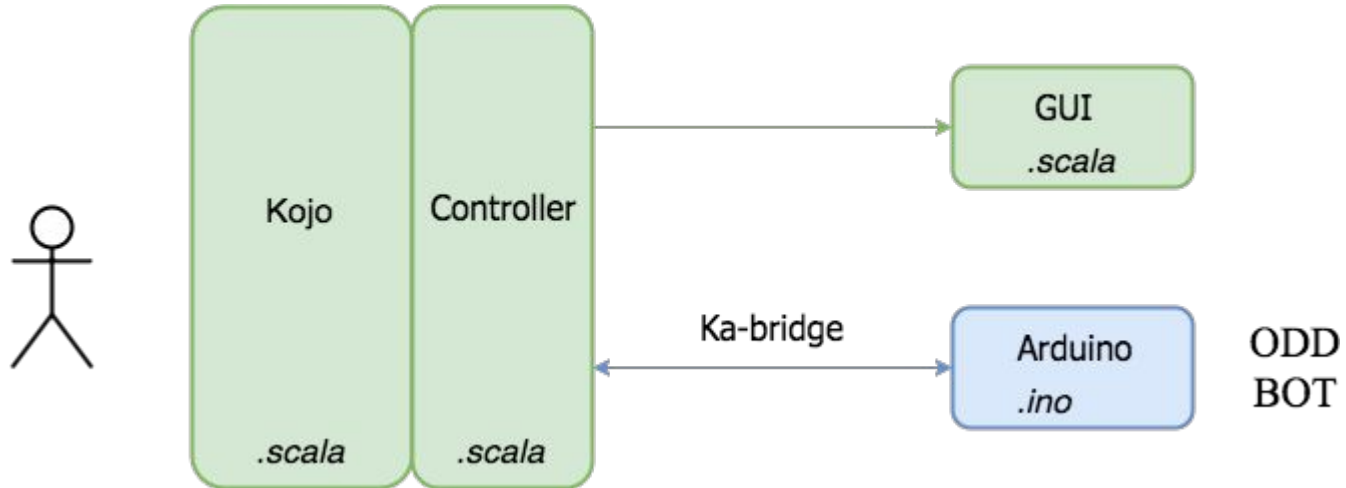
# Kojo GUI

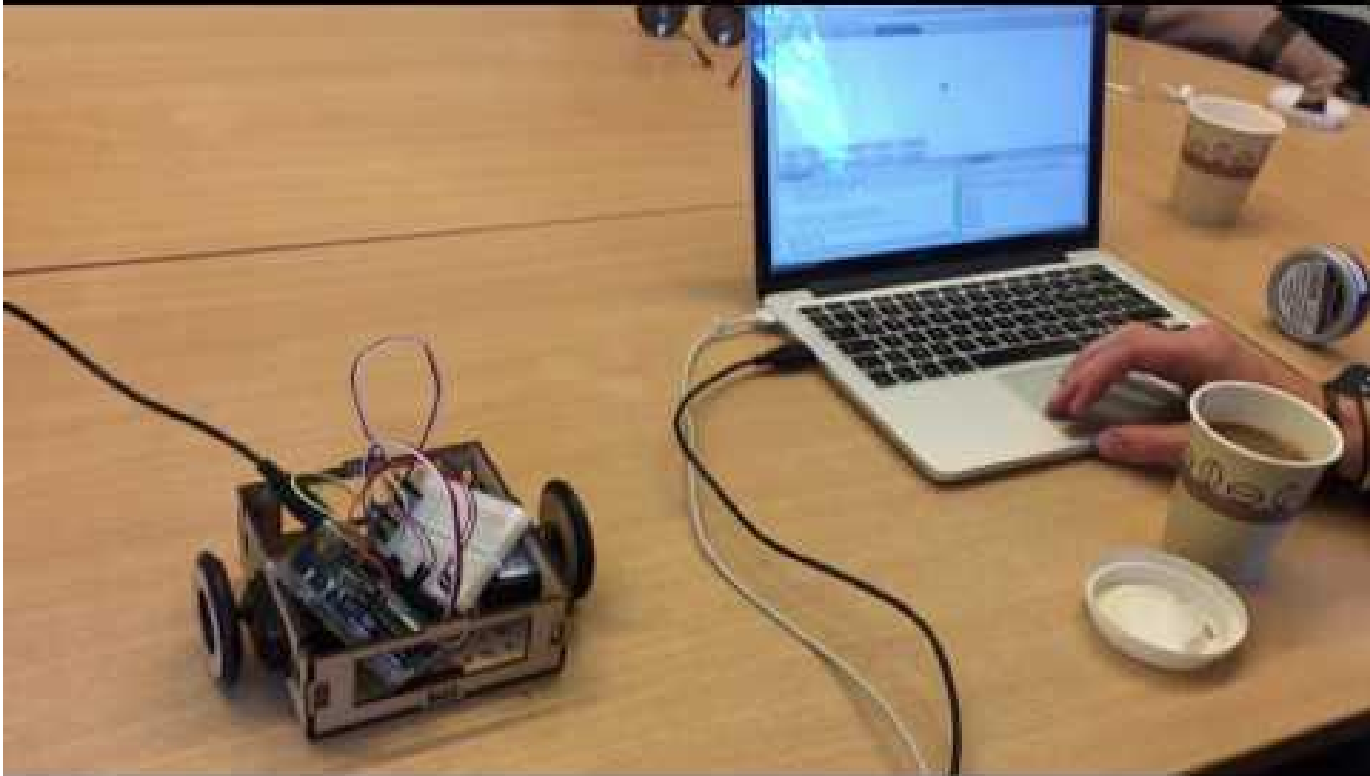


# ka-bridge

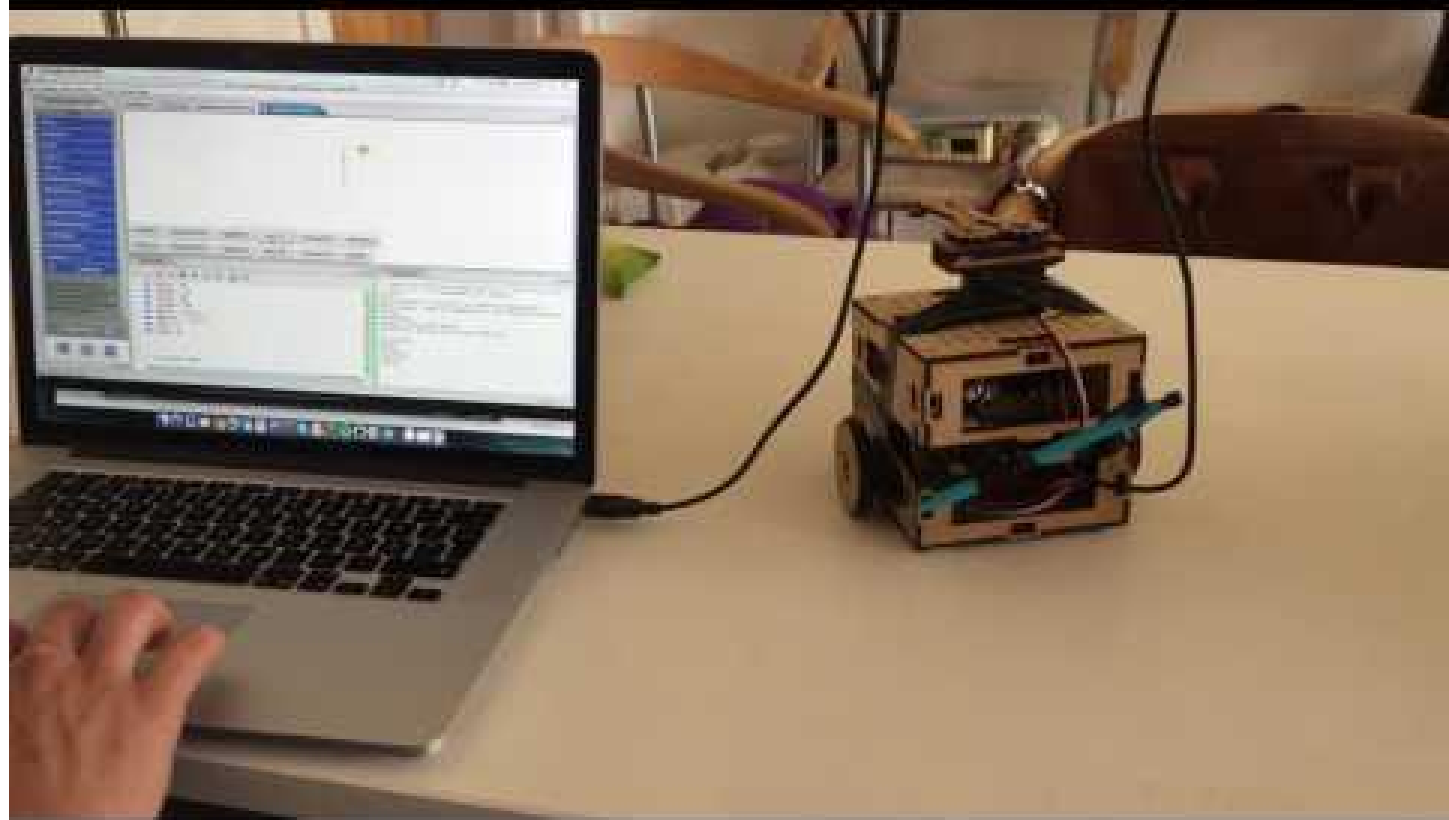
- Enables a connection between Kojo and Arduino.
- Not yet compatible with the latest version of Arduino.

# Description of the system



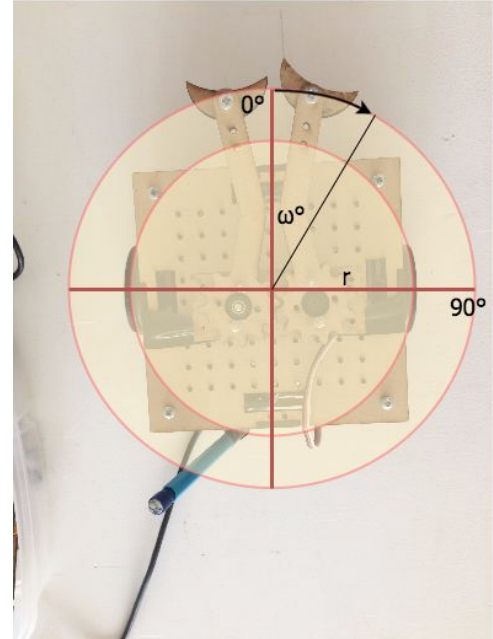






# Our Result

- Calculations on rotation and displacement
- Development of Ka-bridge
- Kojo GUI to control the turtle and the ODD-bot
- Input from sensors



# Problems and obstacles

- Ka-bridge
- Continuous rotation servos
- Cable to arduino
- Kojo structure
- Simultaneous moves

# Future development

- Ka-bridge compability
- Measurements
- Sensors
- Communication to the ODD-bot