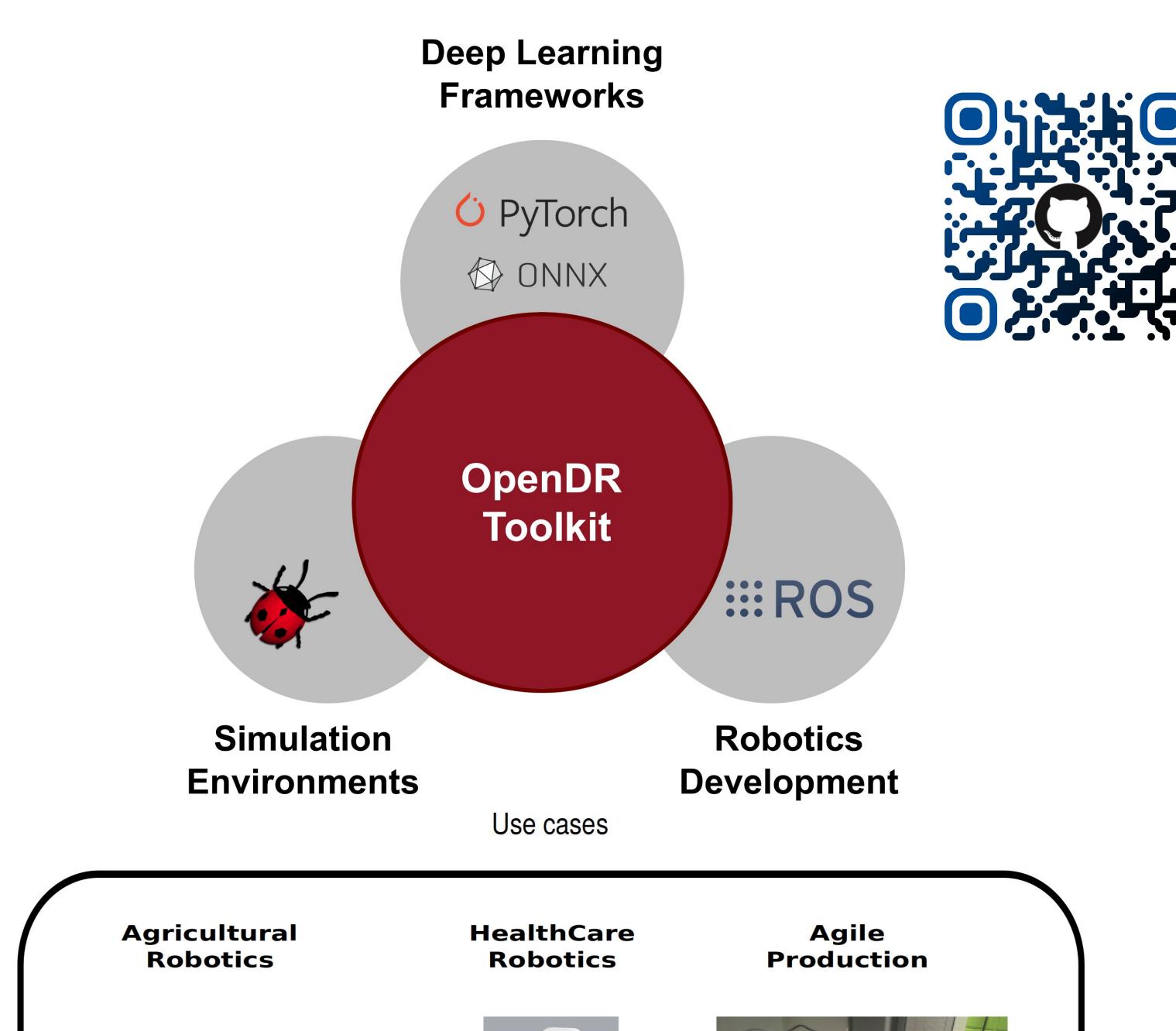


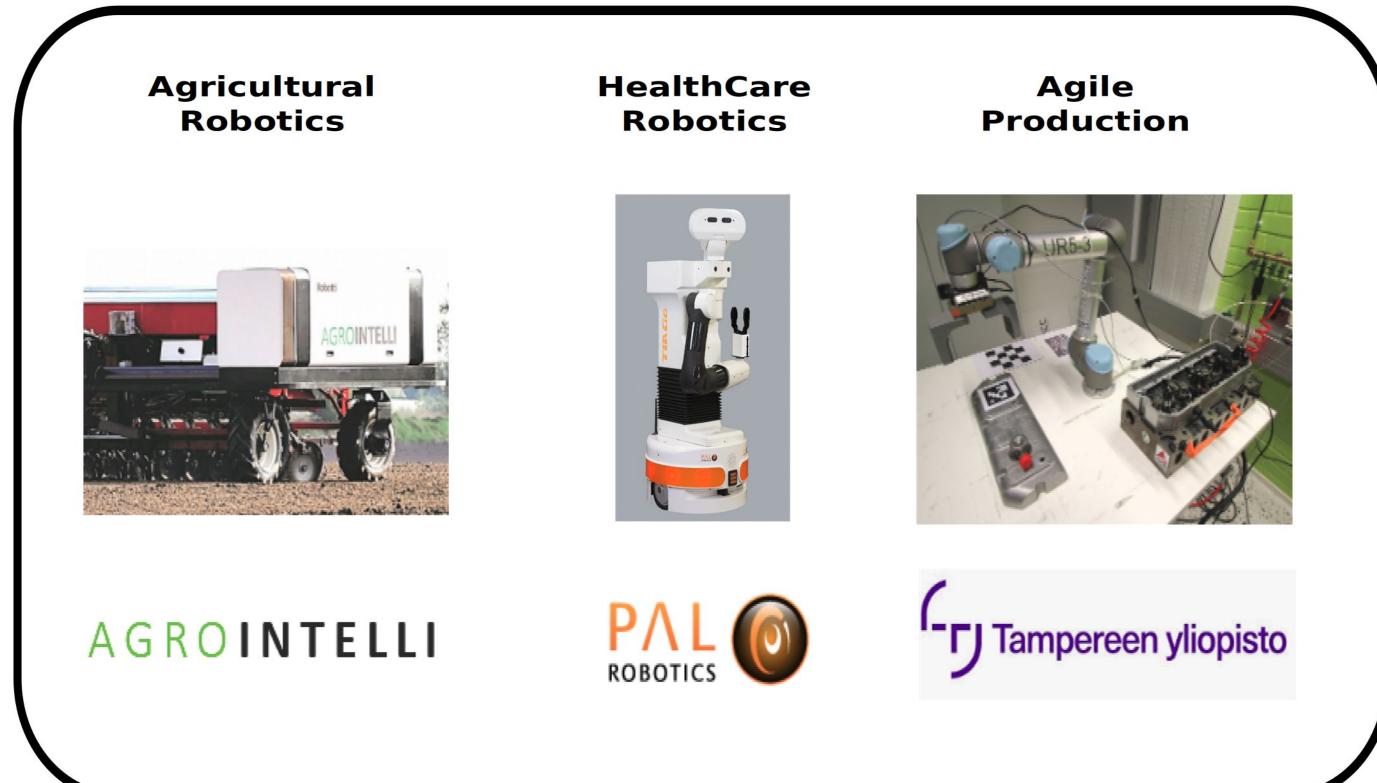
Open Deep Learning toolkit for Robotics

OpenDR aims to develop a modular, open and non-proprietary toolkit for core robotic functionalities by harnessing deep learning to provide advanced perception and cognition capabilities, meeting in this way the general requirements of robotics applications in the applications areas of healthcare, agri-food, and agile production.

Toolkit Version 2.1 features

- Activity Recognition
- Face Recognition
- Facial Expression Recognition
- Heart Anomaly Detection
- Human Pose Estimation
- Hand Gesture Recognition
- 2D Object Detection and Tracking
- 3D Object Detection and Tracking
- Semantic and Panoptic Segmentation
- Action Recognition
- Full Map Posterior SLAM
- Mobile Manipulation
- Single Demonstration Grasping
- Advanced Simulation and Data Generation Capabilities
- Synthetic Facial Image Generation
- Human Model Data Generation
- Hyperparameter Tuning support
- ROS/RS2 API and ROS/ROS2 nodes for all tools
- C API for selected tools
- Support for ONNX standard
- Upgraded to CUDA 11.2
- Modular package installation





GitHub https://github.com/opendr-eu/opendr

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GitHub

opendr-eu

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