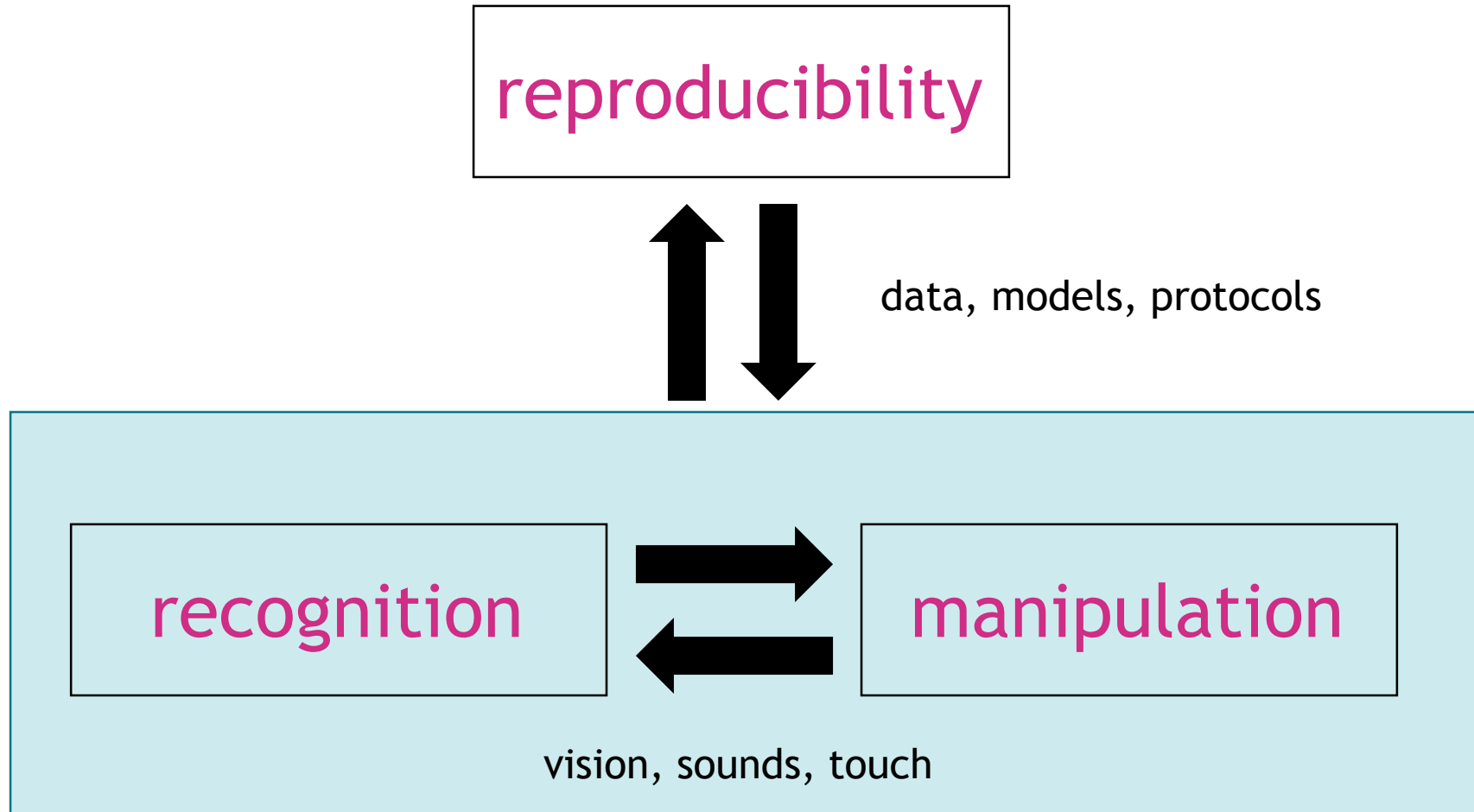


# CORSMAL

## Collaborative Object Recognition, Shared Manipulation And Learning

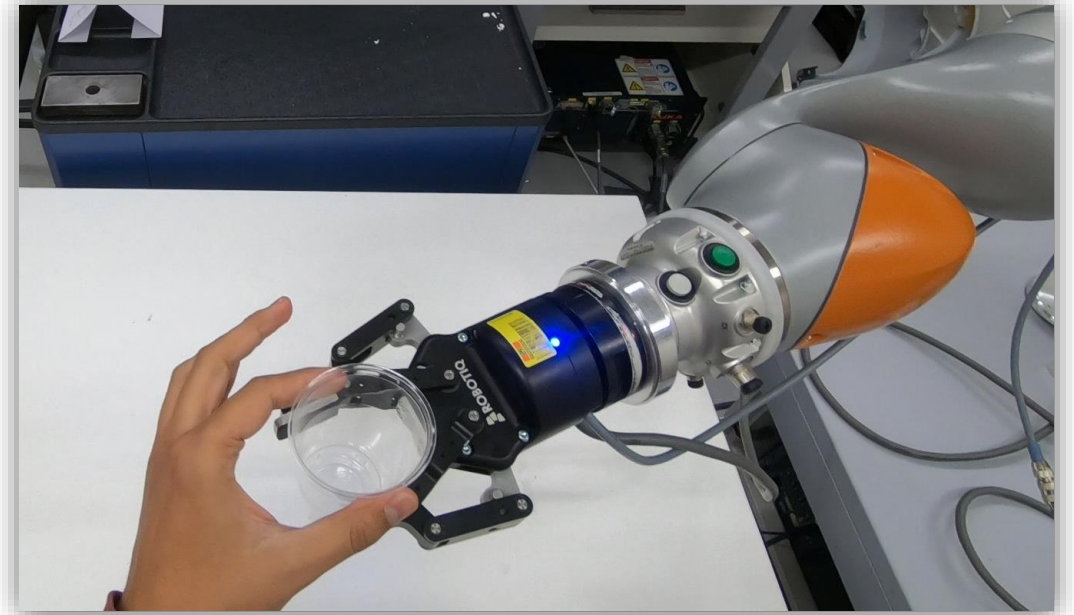
Open Science Session  
CHIST-ERA Projects Seminar 2019

# Scope



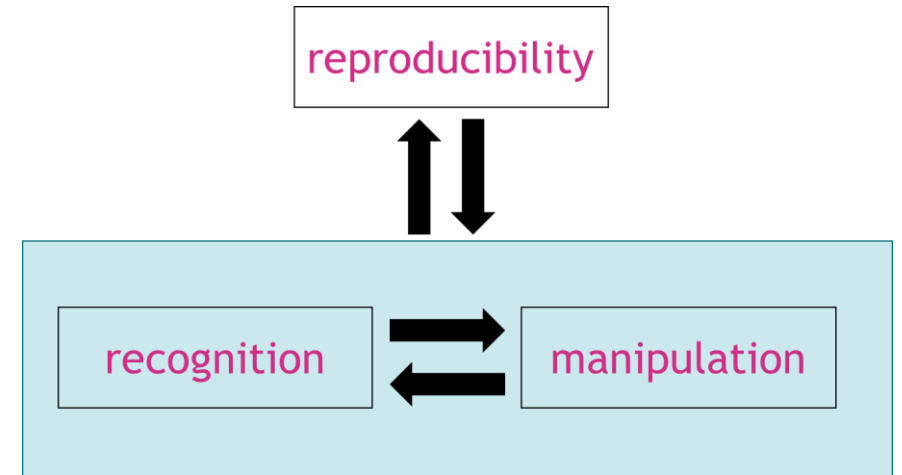
# Aims

- To create an open dataset and an evaluation protocol for **recognition** and **manipulation** of previously unseen objects
- To explore the fusion of **multiple sensing modalities** (touch + sound + vision) to accurately and robustly estimate the **physical properties** of objects in noisy and potentially ambiguous environments



# Objectives

- To define **learning architectures**
  - for multimodal sensory data
  - for aggregated data from different environments
- To learn and **adapt** across manipulators, tasks, sensing configurations and environments
- To continually **improve** the adaptability and robustness of the learned models
- To **generalise** capabilities across tasks and sites



# Team



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