

# **SPIRITS: Smart Printed Interactive Robots for Interventional Therapy and Surgery**

**INSA-Strasbourg — ICube-AVR**

**Lennart RUBBERT**

Thematic brokerage workshops

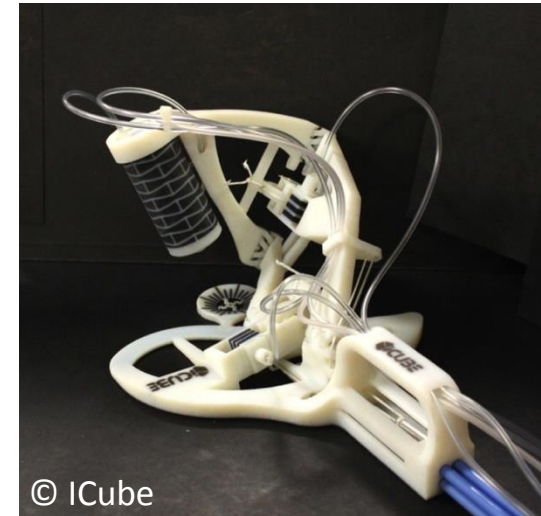
EU Brokerage Event on Kets in Horizon 2020

Strasbourg, 17th October 2017

<http://spirits.icube.unistra.fr/>

# INSA Strasbourg - AVR ICube

- **INSA Strasbourg** is member of the INSA network of engineering schools.
- **AVR-ICube** laboratory
  - internationally recognized in medical and surgical robotics
  - mechatronic design of robotic devices and their control.
- **SPIRITS project**
  - Interreg Upper Rhine project
  - use of **3D printing for the medical context**
  - 3D production of **multimaterial polymer** and **Nitinol** parts



# Facilities & experiences

- **ICUBE I2RM** platform
  - 600m2 experimental platform for development of medical robots
  - access to MRI and surgical facilities
  - more than 50 people involved in medical and surgical robotics development, including **collaborative robotics**.
- Experience of national & international collaborations
- Creation of 1 spin-off company: Axilum Robotics



# Contact details

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