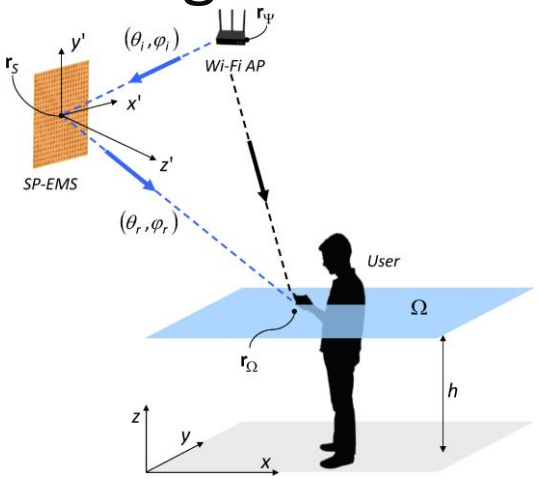
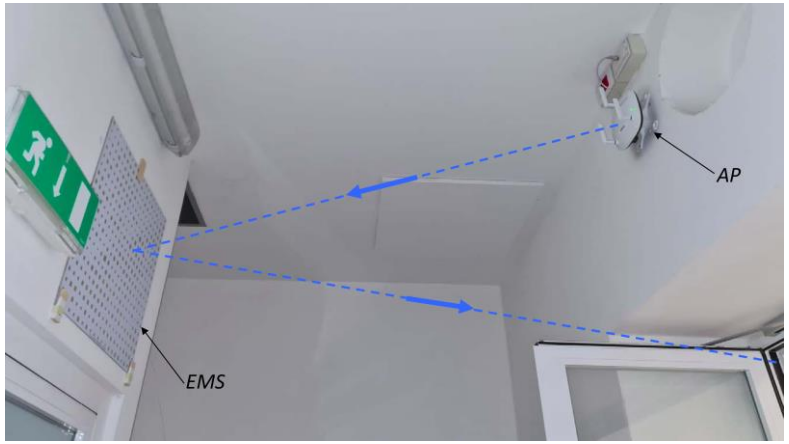
# New Collaboration Agreement

- The **ELEDIA@UniTN** research group at the Department of Civil, Environmental and Mechanical Engineering (DICAM) of the University of Trento  has come up with a smart solution **to make 6G work better** without needing so much equipment. They've created a special kind of '**magic wallpaper**' that can direct internet signals exactly where they're needed, making 6G faster and cheaper to set up. They're testing this technology in one of CERN tunnel.



# Collaboration between RCN Norway and CERN through the SFI-CGV Application

**The SFI offer by the Research Council of Norway (RCN):**

The Centres for Research-based Innovation **are to develop expertise in fields of importance** for innovation and value creation. Through long-term research conducted in close collaboration between **research-performing companies** and prominent research groups, the SFI centres are to enhance technology transfer, internationalisation and researcher training.

The SFI centres may receive support for a total of eight years (an initial five-year period with the possibility of a three-year extension).

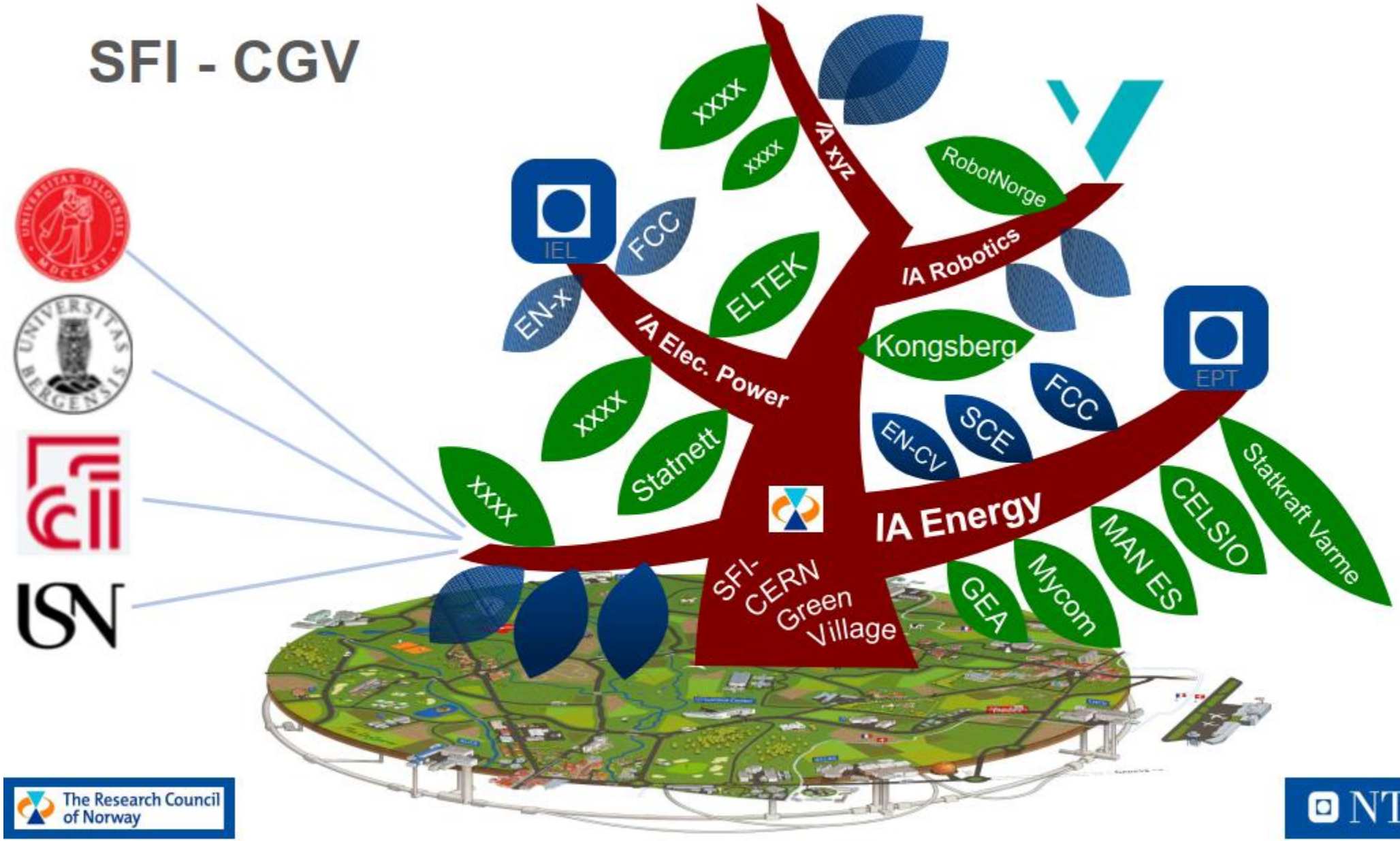
# Main objective

- **Educate new experts** (PhDs and MSc's) within the innovative areas of the center for recruitment to partners (Share of external funding represents share of PhDs within the center)
- **Utilize the Green Village infrastructure and research spirit &** expertise at CERN for demonstration and value creation of innovations
- Create an international **research & cooperation hub** with companies and end-users to achieve most

# Content of the Innovation Areas:

- Interaction between the industrial partners, IA leader and team CERN
- Description of PhD tasks
  - Annual work plans (MSc topics)
- Executive Education events [@ CERN with partners]
- Roadmap for CERN
  - Specification of innovative technology
  - Demonstration of technology (Tenders from CERN & Spin-off)

# SFI - CGV




The Research Council of Norway

NTNU

# Next Steps?

- **Integrating Green Village in the Student Program:**
  - Develop a curriculum that includes hands-on projects at Green Village, where students can apply sustainable concepts in a real-world setting.
- **Strategy for Net-Zero:**
  - Create a roadmap for CERN to achieve net-zero emissions.
- **Sustainable Action for XX Operation:**
  - Implement sustainable practices in day-to-day operations, such as waste reduction, sustainable sourcing, and eco-friendly facilities management.
- **Increasing Visibility of Green Village:**
  - Enhance marketing efforts, host open days, and utilize social media to raise awareness about Green Village's sustainability initiatives.
- **Integrating Successful Sustainability Stories:**
  - Share case studies and success stories of sustainability projects at Green Village to inspire and educate the community and stakeholders.