



200  
researchers

1  
network

5  
continents

7  
regions

# RLS- Sciences

a multilateral science initiative





# 4 RESEARCH THEMES



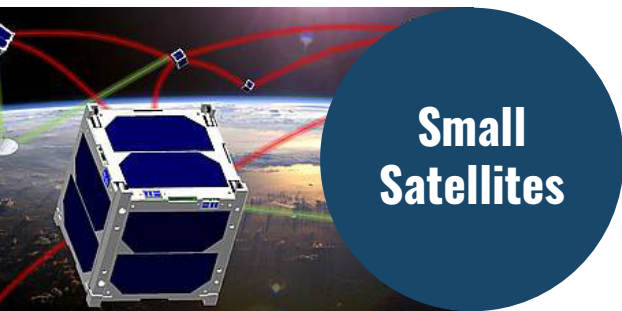
## Renewable Energy

The RLS-Energy Network maps regional renewable resources. It shows their role in their regional energy mix, and analyses scenarios for electricity, heat and fuel production. Based on complementary strengths in research, it provides insights into new and developing technologies, i.e. advanced storage, fuel cells and grid systems. It wants to offer support and guidance for regional energy transitions.



## Aerospace

In the RLS-Global Aerospace Campus, experts of today share their insights to train virtually and in-person the aerospace experts of tomorrow based on the most recent research achievements available in the regions. They prepare the next generation of engineers to be operational in a context of increased, fast evolving technological competition, and socially expected sustainable developments.



## Small Satellites

With a smart formation of small satellites for telecommunication and earth observation, the RLS-Small Satellites project is demonstrating technology leadership out of the regions in the new space research.



## Digitalization

Science, business and public sector representatives from across the regions assess in an expert dialogue the potentials and risks of digital technologies. Based on different digital strategies, the regional governments implement policies to enable and sustain the digital transition in industry, science, academia and public administration as new investments secure the necessary digital infrastructure.

# SIGNIFICANT RESULTS



- Road Map Renewable Energy, Monitoring Report and SWOT Analysis; smart campus initiative
- Smart formation of 6 or more small satellites, ERC Synergy grant "CloudCT"
- Teaching and training platform in aerospace, over 300 online participants in the first e-course
- Expert dialogue on digitalization: review and monitoring of the regional digital transitions

# MULTIREGIONAL CAPACITY

Scientific data and analyses with a strong regional focus

Framework to share data and strengths  
Innovative multilateral science cooperation practice

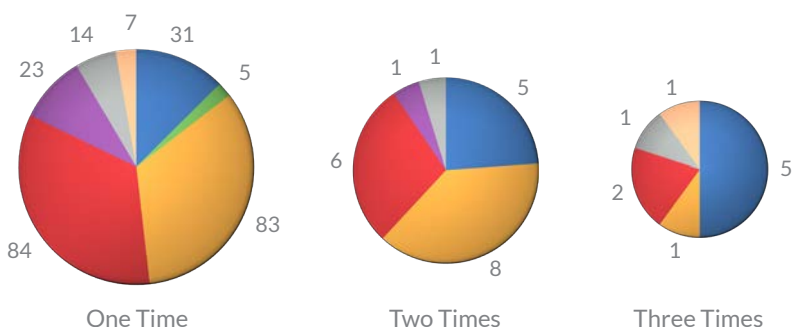
cooperation in science increases the quality of science and there the regional level is particularly well suited to enable science and innovation alliances

Regional science alliances towards regional achievements, and international strengths

Regional resource for data, for partnering needs, for recommendations and advice

**Recurring Participation Per Region**

- Bavaria
- Georgia
- Québec
- São Paulo
- Shandong
- Upper Austria
- Western Cape



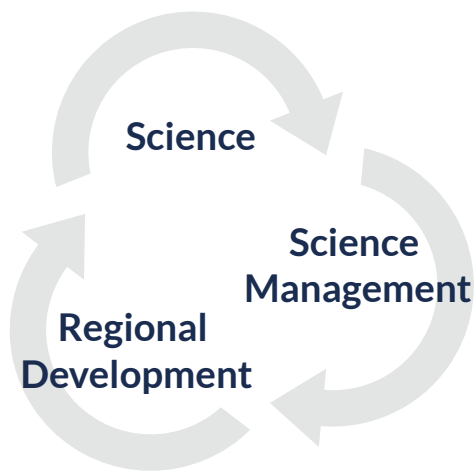
# SMART REGION

**A new way**

**to encourage cooperation through science**

**to approach global challenges**

**to support evidence-based, regional-based decisions**



The “RLS-Sciences” Initiative gives the Regional Leaders Summit a cooperation framework, tools and methods that make the regions smarter.

Further cooperative engagement of the regional coordinators is essential to move forward, and this is possible to achieve with an increased emphasis on the science-policy interface.

## RLS – SCIENCES KEY FACTS:



- + A constellation of 5 continents, 7 regions, 140 academic researchers, 60 young researchers, a network of 28 regional science coordinators
- + A multilevel governance structure of 21 permanent regional coordinators from government, science and science administration working together to advance science in the regions, and to take advantage of scientific achievements for the regions
- + A virtual research infrastructure (web platform, funding opportunities database)
- > Find out more:  
<https://www.rls-sciences.org>