

# smart analytics

A network for intelligent  
analytical methods

Gefördert durch:



Bundesministerium  
für Wirtschaft  
und Energie

aufgrund eines Beschlusses  
des Deutschen Bundestages



## International ZIM cooperation network

### A network for developing highly innovative analytical methods and applications

The past thirty years have seen the development of a range of analytical detection methods that have become indispensable, particularly in medical diagnostics and pharmaceutical development but also in environmental analysis and food testing. Besides spectrometric, bioanalytical and chemical methods, these also include imaging processes and collecting sensor data. In many cases, the potential of these analytical methods is only insufficiently used. Thanks in particular to evaluation algorithms that use artificial intelligence, it is possible to interpret measurement data much more comprehensively, quickly and precisely and generate new application potential.

#### **This is where the international ZIM smart analytics cooperation network comes into play.**

The smart analytics network is designed to close any gaps that exist in the automation, digitalisation and miniaturisation of bioanalytical and diagnostic methods and develop technological solutions for specific application problems.



## Aims of the network

- Harnessing a wide variety of analytical and diagnostic technologies (biological, chemical, physical)
- Synergy effects through new technology combinations (AI, ICT, analytics, sensor technology)
- Creating new application potential through automation, digitalisation, on-site analytics, real-time analysis and intelligent evaluation methods
- Developing new value creation strategies through digital networking and shared use of AI and data platforms
- Forming national and international cooperation projects (SME-SME; SME-R&D)

The smart analytics network actively supports innovative research and development projects by small and medium-sized enterprises from the STERN BioRegion in developing ground-breaking product ideas and future-oriented prospective applications for analytical technologies.

Do you also have an idea for a technologically innovative research and development project from the life sciences sector and are you looking for funding options? Are you creative and smart? Are you interested in networks and international contacts?

### Then you've come to the right place, as we offer:

- Creative and expert network partners
- Potential cooperation partners, users or service providers
- Valuable national and international contacts
- Active support in the application process
- Workshops on specific topics
- A constantly growing network

## smart analytics partners

The smart analytics network offers a diverse range of technologies and expertise for developing innovative analytical methods and applications in the life sciences sector.

You, too, can become a partner in our network!

- **LuxFlux GmbH**, Reutlingen
- **micro-biolytics GmbH**, Esslingen am Neckar
- **4base lab AG**, Reutlingen
- **Synovo GmbH**, Tübingen
- **KWO Kunststoffteile GmbH**, Offenau
- **JLM Innovation GmbH**, Tübingen
- **NMI** Natural and Medical Sciences Institute at the University of Tübingen, Reutlingen
- **University Hospital**, Tübingen
- **Hahn-Schickard** Institute of Applied Research, Villingen-Schwenningen
- **Nano Sensor Systems NASYS S.R.L.**, Italy
- **RUBIX S&I**, France
- **IONICON Analytik GmbH**, Austria

## About us

BioRegio STERN Management GmbH promotes economic development in the life sciences industry, helping to strengthen the region as a business location by supporting innovations and start-up companies in the public interest. It is the main point of contact for company founders and entrepreneurs in the Stuttgart and Neckar-Alb regions, including the cities of Tübingen and Reutlingen. The STERN BioRegion is one of the largest and most successful bioregions in Germany. Its unique selling points include a mix of biotech and medtech companies that is outstanding in Germany and regional clusters in the fields of automation technology and mechanical engineering.

## Contact



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- **German coordinator:**  
BioRegio STERN Management GmbH
- **International coordinator:**  
ISOCS (International Society for  
Olfaction and Chemical Sensing)

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