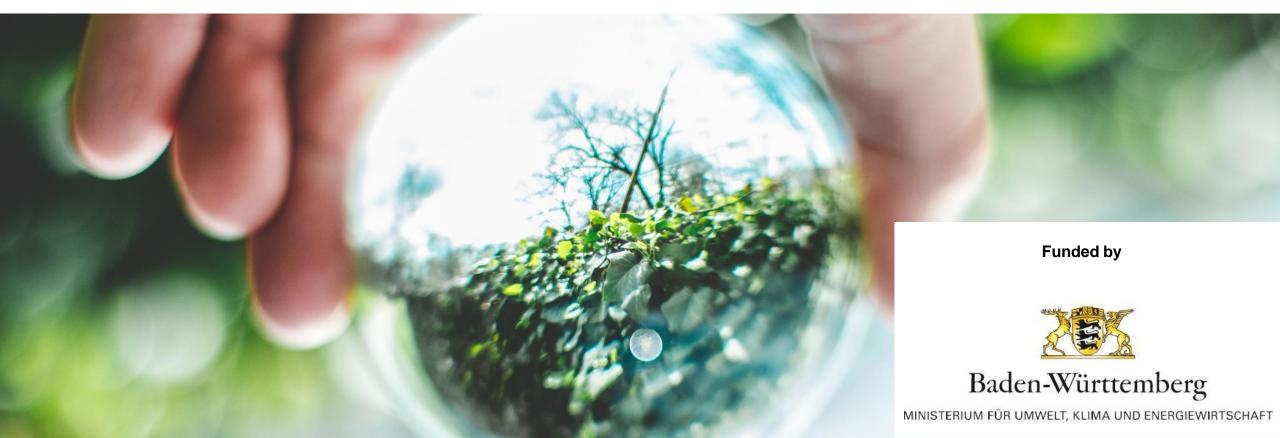








TRENT- Transnational Competence Center for Environmental Technology and Research Jiangsu Baden-Württemberg





# 1.7 Earths

# CO<sub>2</sub> emmissions



# are required to cover the **global demand for ressources** in 2021.

keep **increasing** by a yearly rate of **2.5%** each year.

**World population** 

will grow to 8 billion people in 2030, demand 40% more **food**, 50% more **energy**, and 100% more **resources** comparing to 2011.



Global challenges require a joint effort and can only be solved by international cooperation.

# Motivation and Vision for the Competence Center



Provide a platform for institutions of higher education and research, / public authorities and enterprises in Jiangsu and Baden-Württemberg





Developing sustainable and green solutions for the environment and energy sector



Providing solutions for the public sector and enterprises to deal with relevant challenges



Jointly develop solutions for a green and sustainable world



Increasing the number of experts in the field of environment and energy sector



Close cooperation between universities, research centers and enterprises from China and Germany



Make science and technology accessible and useful for now and for future generations



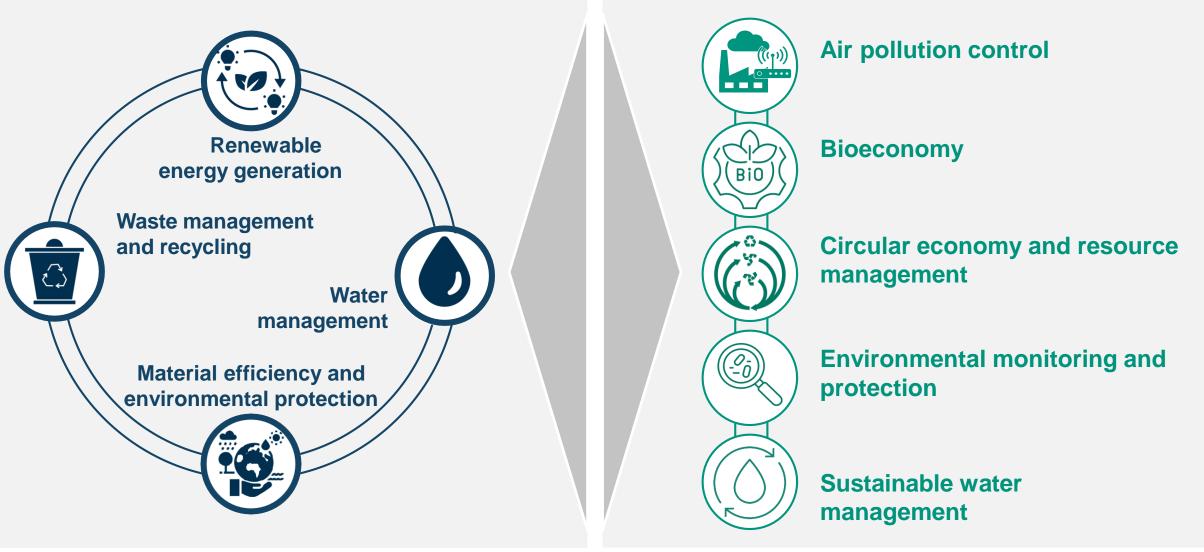
Enhancing and deepening the understanding in environment and energy science and technologies



Raising awareness for topics related to environment and energy sector

# **Thematic Focus and Application Fields of the Center**





# **Offers by the Competence Center**





## Network

- Round Table for scientists, national authorities and industry
- Interactive platform for Science-Industry-Contacts
- Industry Workshops and Events for information, exchange and knowledge transfer



# **Education**

- University and PhD students exchange
- University lectures
- Professional training courses
- Young talents programs
- Summer Schools



# Research

- Joint German-Chinese R&D projects
- Joint science-industry R&D projects



# Innovation

- Technology transfer support for R&D projects
- Incubator and accelerator programs

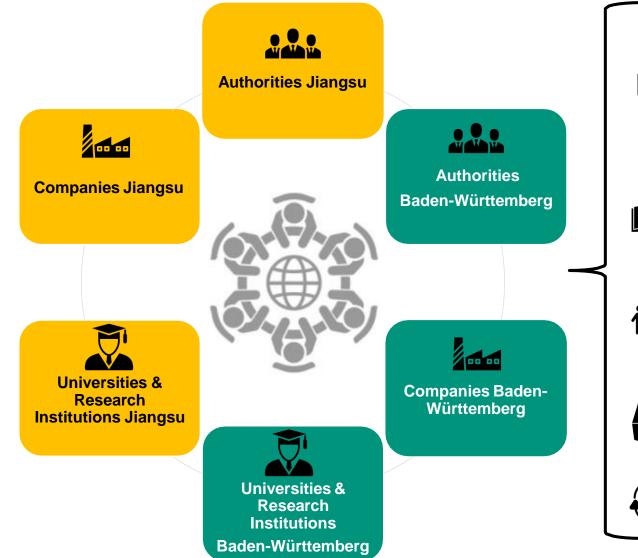


## Services

Consulting services and industrial trainings

# **Joint Forces from different Stakeholders**





Identification of the most urgent challenges for sustainable environmental development



Identification of needs for **research** and adaptation



Definition of **projects** and needs for **training** programs



Match-Making of cooperation partners



Identification of funding schemes

# **Driving Forces on German and Chinese Side**









# Karlsruhe Institute of Technology (KIT)

- Project Coordination
- Network with research institutions from Baden-Württemberg and Province Jiangsu

# Umwelttechnik BW, State Agency for Environmental Technology and Ressource Efficiency (UTBW)

Network with companies from Baden-Württemberg



BW\_

# Global Advanced Manufacturing Institute (GAMI), Suzhou

- Project Office
- Network with companies, educational institutions from Province Jiangsu

# Baden-Württemberg International, Office Nanjing

 Network with public authorites and industry associations from Province Jiangsu

China

# **Project Milestones and Roadmap**



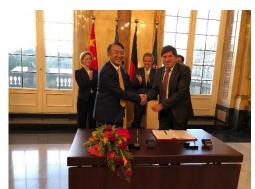
Sep. 2018 Signing of ,Memorandum of Understanding' with Chinese cooperation partner Nov. 2020 Start of the project "TRENT" with the funding from Ministry of the Enviroment, Climate Protection and the Energy Sector, Baden-Württemberg

July 2021 "High-Level Event" of project "TRENT" with representatives from government, business and research sector from Jiangsu and Baden-Württemberg

# **Next Steps**

- Workshops and round tables on different topics (biotechnology and bioeconomy / water management / air pollution control / circular economy etc.)
- Summer Schools
- Joint training porgrammes
- Implementation of pilot projects



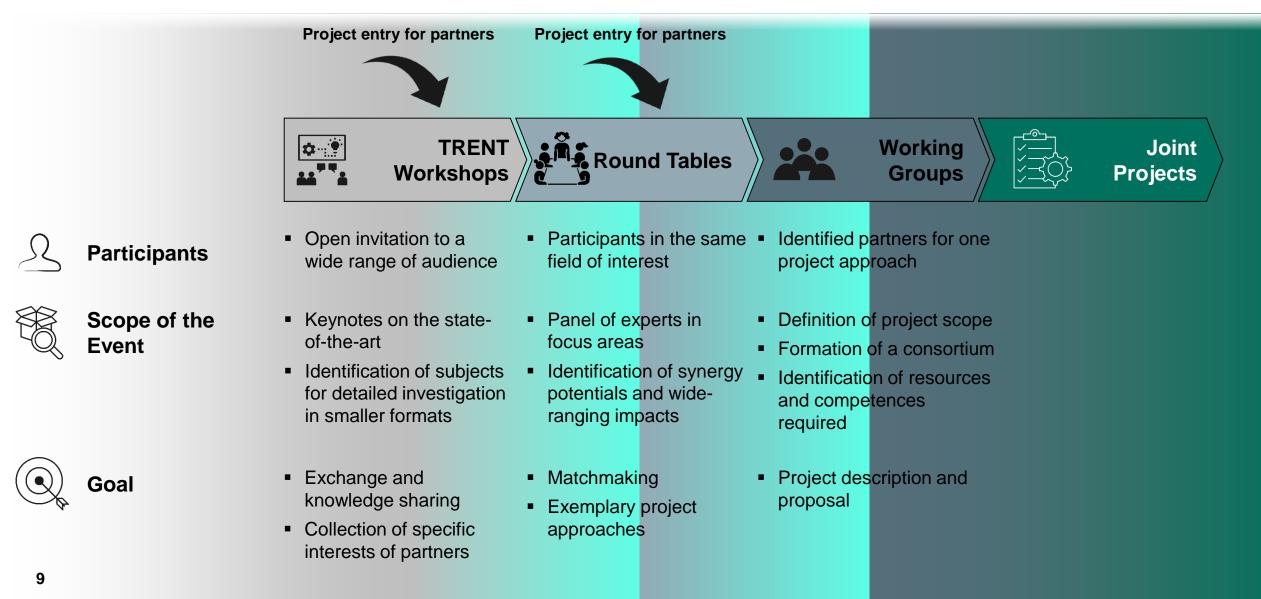






# How to participate? - TRENT cooperation pipeline

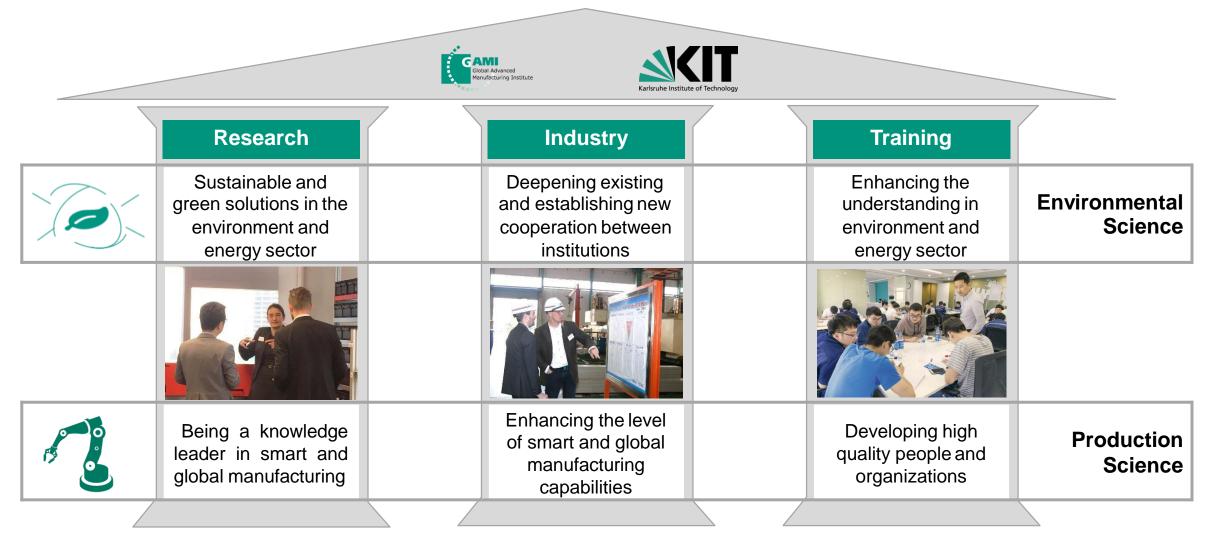




# **Project Office of TRENT in Suzhou**

# GAMI serves as representative and project office of TRENT, located in the Suzhou Industrial Park.





# Your contacts for TRENT





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For more information please visit: https://www.trent-platform.info/

# Thank you for your attention!