

CZ-G-NanoHub

Development of an international network Nano4Filter

Dr.-Ing. Peter Grambow; Dr. Jasmin Süß

20.04.2023

www.nanoinitiative-bayern.de

Unterstützt durch:



Bayerisches Staatsministerium für
Wirtschaft, Landesentwicklung und Energie

Ausgezeichnet von:



Mitglied bei:

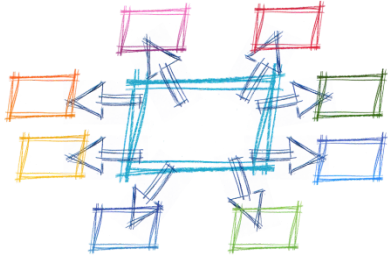




An open international network
aiming to strengthen competencies in nanotechnology
in Bavaria, Germany and international.

- Founded in 2007 as part of the Bavarian Cluster Offensive
- Management by the Nanoinitiative Bayern GmbH
- Broad network with > 2.500 stakeholders worldwide
- Partially funded by the Bavarian Ministry of Economy
- **Management of networks:**





Initiation & coordination

of projects, networks
and initiatives

Promotion of cooperations

between industry and
R&D

Promotion of nanotechnology

through specific
teaching contents in
schools and universities

Open discussions of chances and risks

Workshops & events



e.g. 360° innovation workshop

Targeted B2B-matchmaking



through a broad, international network

Consulting & support



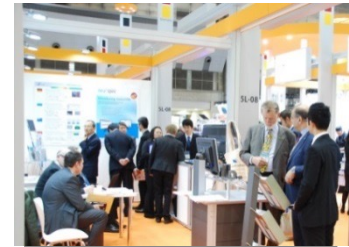
e.g. dossiers, analyses, troubleshooting

Project management

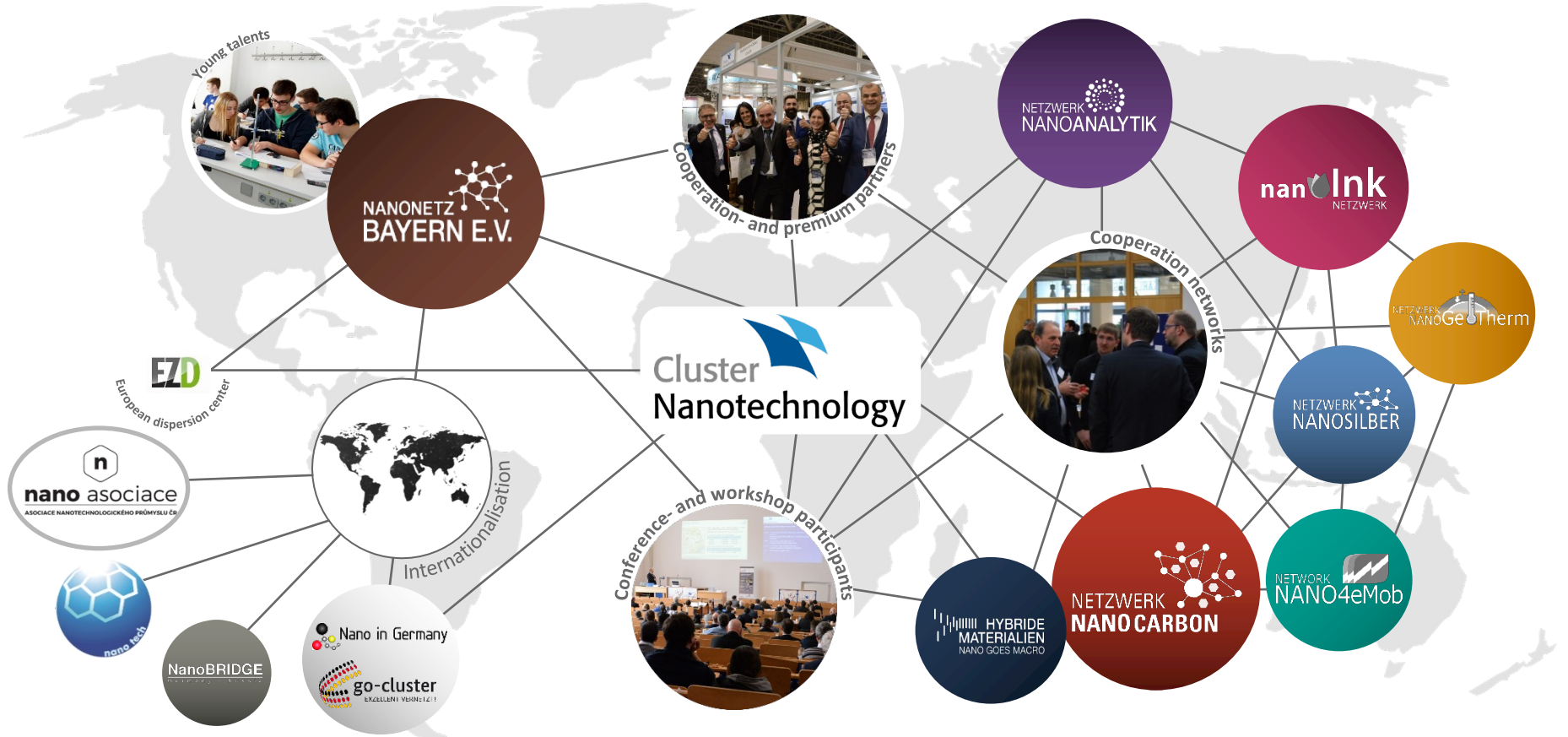


„from idea to product“

Public relation



e.g. trade fairs, conferences and web



nanoSPACE[®]
Technology

HYDROTEC^{GmbH}


nano asociace
ASOCIACE NANOTECHNOLOGICKÉHO PRŮMYSLU ČR



Cluster
Nanotechnologie

EZD
Das Dispergier-Zentrum

powered by **SKZ**
Das Kunststoff-Zentrum

NanTrade
S.r.o.

 TECHNISCHE HOCHSCHULE NÜRNBERG
GEORG SIMON OHM

 **KÖSTLER** GmbH

Competency matrix

Competences	Raw materials / nanomaterials	Dispersion / Processing	Coating	Technical textiles	Filter systems / Plant construction	Analytics / Characterization
nanoSPACE Technology	●	●		●		
NanoTrade	●	●	●			
TH Nürnberg	●					●
EZD		●	●			●
Köstler			●	●		
Hydrotec					●	

R&D	Title
1	Development of biodegradable membranes based on nanofibers
2	Design of high performance filter media for air conditioning systems by the use of novel antimicrobial powder coatings; comparison of different materials and methods (incorporation vs. coating)
3	Design of multifunctional coatings/materials used on interior surfaces (antimicrobial and antiviral properties as well as material protection)

Contact:

Nanoinitiative Bayern GmbH

Josef-Martin-Weg 52

97074 Würzburg

- **Dr Jasmin Süß**

E-mail: jasmin.suess@nanoinitiative-bayern.de

Tel.: +49 931 31 89370

Mobile: +49 157 80628465

- **Dr.-Ing Peter Grambow**

E-mail: peter.grambow@nanoinitiative-bayern.de

