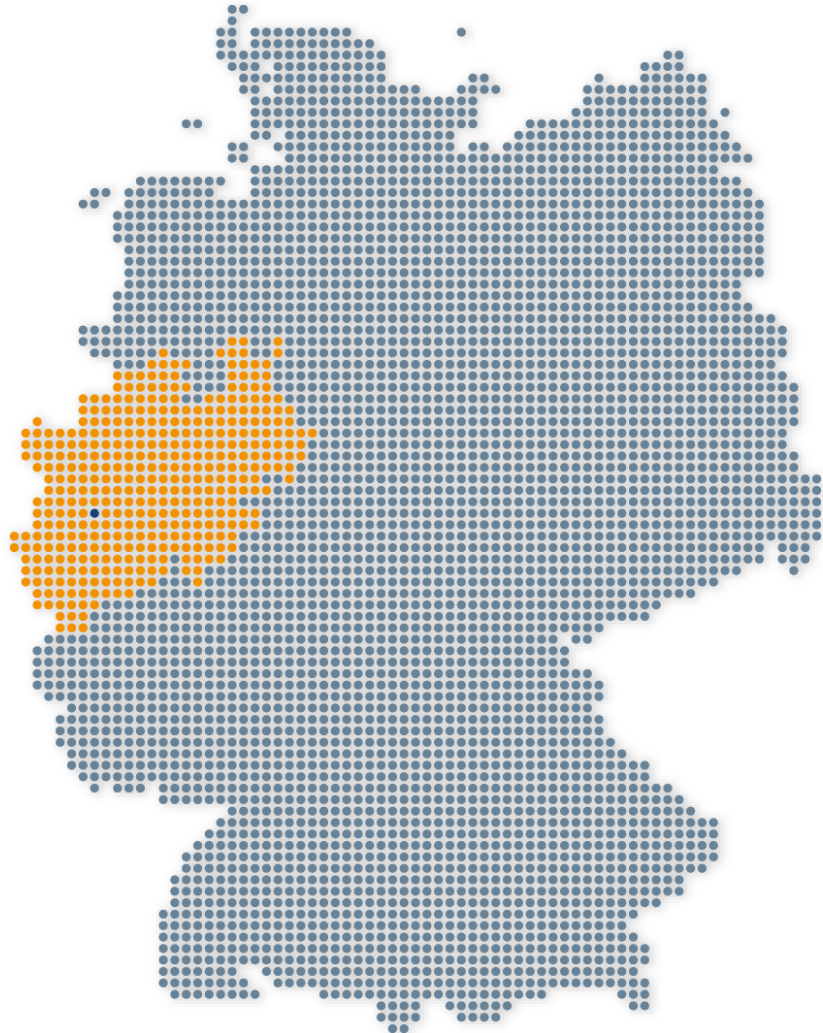




QT.NMWP.NRW

Quantum Technologies in NRW

North Rhine-Westphalia (NRW) – An Economic Powerhouse of Europe



NRW 2020	Total	% of Ger. total
Surface area	34,112 km ²	9.5 %
Population	17.9 mill.	21.5 %
Population density	525/km ²	
Gainfully employed	9.6 mill.	21.3 %
Gross domestic product	697.13 bn €	20.9 %
GDP per capita	38,890 €	
Private consumption	383.1 bn €	21.1 %
Exports	176.2 bn €	14.6 %
Imports	220.6 bn €	21.4 %
Foreign direct investment*	172.5 bn €	23.3 %

* End of 2017

Source: DESTATIS, March 2021



Key Facts about the Cluster NMWP.NRW

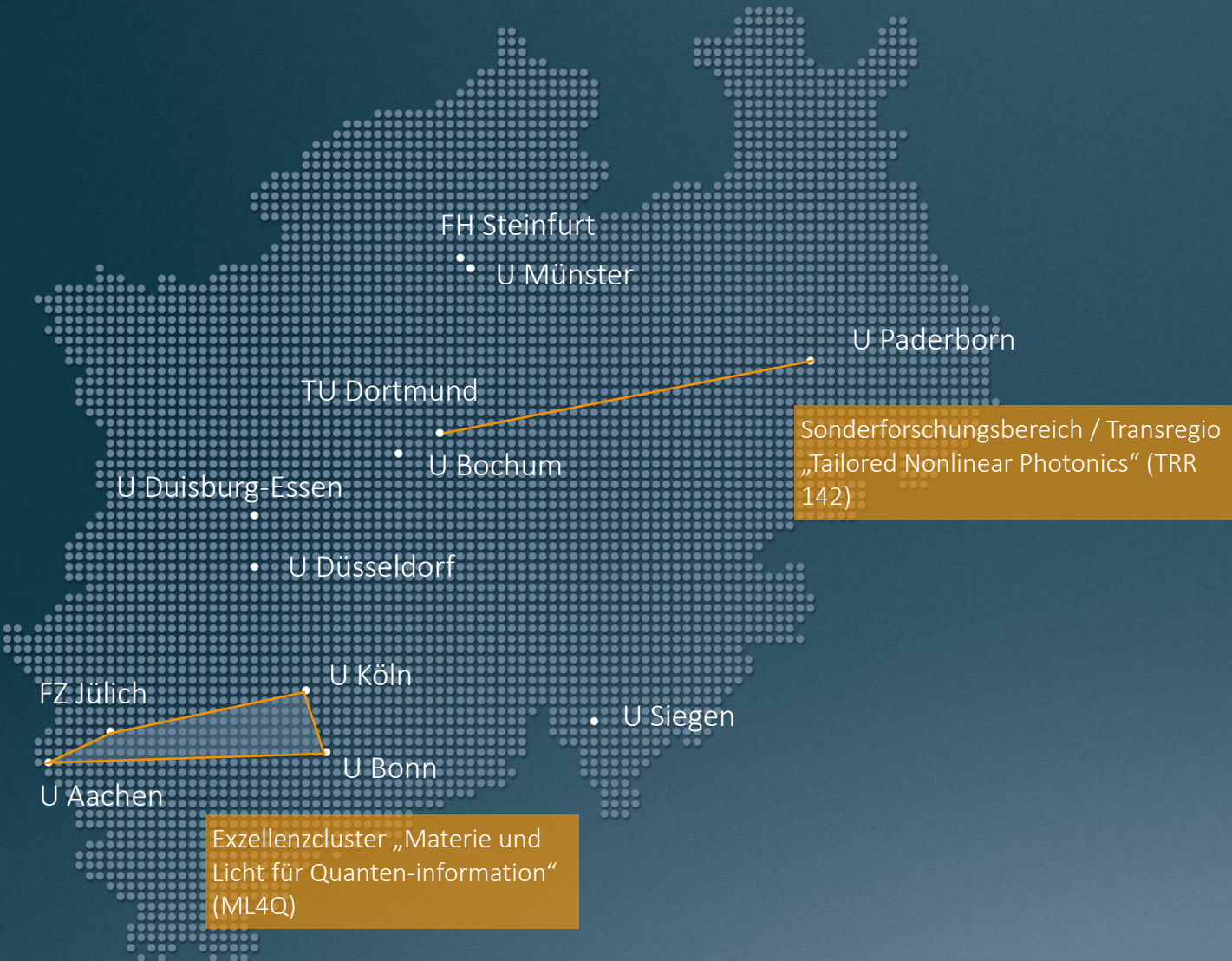
NRW Innovation Strategy Technologies for Lead Markets

The state policy is promoting a sustainable industrial development by addressing the lead markets. Clusters are a pivotal instrument of the state's strategy.

Clusters

- act as a **link** between science, industry and politics
- are a key element in **identifying** emerging technologies
- **promote innovation and visibility** in 8 exceptionally strong lead markets in terms of a policy of “strengthening strengths”
- are expected to **develop cross-regional initiatives** both in enterprises and universities to **increase the dynamics of innovation**.





Quantum Research in NRW

- 11 University
 - >60 Professorships
- 2 Research Societies
 - >10 Institutes
- 2 Clusters of excellence
- 3 Special research areas
- 2 dedicated degree courses in quantum (Aachen & Cologne-Bonn)

Quelle: Statistisches Bundesamt



The structure of NanoMicroMaterialsPhotonics.NRW

NMWP.NRW structure



- Financed by the government of North Rhine-Westphalia
- Goals and thematical focus determined by the government of North Rhine-Westphalia
- Regional focus on North Rhine-Westphalia

Synergy effects



- Financed by contributions of the members of the NMWP association
- Goals and thematical focus determined by the members
- Regional focus determined by members



- Operational execution of the Cluster NMWP.NRW and the Office of the NMWP e.V.
- Carrying out further technology related projects and activities

Members of the NMWP e. V. (selection)



*Thank you for your
kind attention!*

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QT.NRW

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