

Clusters of Excellence: Complete List of Approved Projects (Results of the Meeting of the Excellence Commission on 27 September 2018)

One applicant university (in alphabetical order by city)	Title of the Cluster of Excellence
Rheinisch-Westfälische Technische Hochschule Aachen	Internet of Production
Rheinisch-Westfälische Technische Hochschule Aachen	The Fuel Science Center – Adaptive Conversion Systems for Renewable Energy and Carbon Sources
Universität Bayreuth	Africa Multiple: Reconfiguring African Studies
Freie Universität Berlin	Temporal Communities: Doing Literature in a Global Perspective
Freie Universität Berlin	Contestations of the Liberal Script (SCRIPTS)
Humboldt-Universität zu Berlin	Matters of Activity: Image Space Material
Technische Universität Berlin	Unifying Systems in Catalysis, UniSysCat
Ruhr-Universität Bochum	Cyber Security in the Age of Large-Scale Adversaries
Rheinische Friedrich-Wilhelms-Universität Bonn	Beyond Slavery and Freedom: Agency within Asymmetrical Structures of Individual and Group Dependencies in Premodern Societies
Rheinische Friedrich-Wilhelms-Universität Bonn	Hausdorff Center for Mathematics: Foundations, Models, Applications
Rheinische Friedrich-Wilhelms-Universität Bonn	PhenoRob – Robotics and Phenotyping for Sustainable Crop Production
Rheinische Friedrich-Wilhelms-Universität Bonn	ImmunoSensation2 – the immune sensory system
Technische Universität Carolo-Wilhelmina zu Braunschweig	Sustainable and Energy-Efficient Aviation – SE ² A
Universität Bremen	The Ocean Floor – Earth's Uncharted Interface
Technische Universität Dresden	Centre for Tactile Internet with Human-in-the-Loop (CeTI)
Technische Universität Dresden	Physics of Life – The Dynamic Organization of Living Matter
Albert-Ludwigs-Universität Freiburg im Breisgau	Centre for Integrative Biological Signalling Studies (CIBSS) – Signalling across Scales: From Mechanistic Understanding to Control-of-Function
Albert-Ludwigs-Universität Freiburg im Breisgau	Living, Adaptive and Energy-autonomous Materials Systems (livMatS)

One applicant university (in alphabetical order by city)	Titel of the Cluster of Excellence
Georg-August-Universität Göttingen	Multiscale Bioimaging: from Molecular Machines to Networks of Excitable Cells
Universität Hamburg	Climate, Climatic Change, and Society (CliCCS)
Universität Hamburg	Advanced Imaging of Matter: Structure, Dynamics and Control on the Atomic Scale
Universität Hamburg	Quantum Universe
Universität Hamburg	Understanding Written Artefacts: Material, Interaction and Transmission in Manuscript Cultures
Medizinische Hochschule Hannover	RESIST – Resolving Infection Susceptibility
Universität Hannover	PhoenixD - Photonics, Optics, and Engineering – Innovation Across Disciplines
Ruprecht-Karls-Universität Heidelberg	STRUCTURES: A unifying approach to emergent phenomena in the physical world, mathematics, and complex data
Friedrich-Schiller-Universität Jena	Balance of the Microverse
Christian-Albrechts-Universität zu Kiel	ROOTS – Social, Environmental, and Cultural Connectivity in Past Societies
Christian-Albrechts-Universität zu Kiel	Precision Medicine in Chronic Inflammation
Universität zu Köln	Cellular Stress Responses in Aging-associated Diseases
Universität Konstanz	The Politics of Inequality: Perceptions, Participation and Policies
Universität Konstanz	Centre for the Advanced Study of Collective Behaviour
Johannes Gutenberg-Universität Mainz	Precision Physics, Fundamental Interactions and Structure of Matter (PRISMA+)
Westfälische Wilhelms-Universität Münster	Mathematics Münster: Dynamics – Geometry – Structure
Westfälische Wilhelms-Universität Münster	Religion and Politics. Dynamics of Tradition and Innovation
Universität Stuttgart	Data-Integrated Simulation Science (SimTech)
Universität Stuttgart	Integrative Computational Design and Construction for Architecture
Eberhard-Karls-Universität Tübingen	Machine Learning: New Perspectives for Science
Eberhard-Karls-Universität Tübingen	Controlling Microbes to Fight Infections
Eberhard-Karls-Universität Tübingen	Image-Guided and Functionally-Instructed Tumor Therapies (iFIT)

Two applicant universities (in alphabetical order by city)	Titel of the Cluster of Excellence
Freie Universität Berlin / Humboldt-Universität zu Berlin	NeuroCure – Comprehensive approaches to neurological and psychiatric disorders – from mechanisms to interventions
Humboldt-Universität zu Berlin / Technische Universität Berlin	Science of Intelligence
Ruhr-Universität Bochum / Universität Dortmund	RESOLV (Ruhr Explores Solvation): Understanding and Design of Solvent-Controlled Processes
Rheinische Friedrich-Wilhelms-Universität Bonn / Universität zu Köln	ECONtribute: Markets & Public Policy
Technische Universität Carolo-Wilhelmina zu Braunschweig / Universität Hannover	Light and Matter at the Quantum Frontier: Foundations and Applications in Metrology (QuantumFrontiers)
Technische Universität Dresden / Bayerische Julius-Maximilians-Universität Würzburg	Complexity and Topology in Quantum Matter: Fundamental Concepts, Materials Design, and Novel Technologies
Heinrich-Heine-Universität Düsseldorf / Universität zu Köln	CEPLAS Cluster of Excellence on Plant Sciences – SMART Plants for Tomorrow's Needs
Johann Wolfgang Goethe-Universität Frankfurt am Main / Justus-Liebig-Universität Gießen	Cardio-Pulmonary Institute
Ruprecht-Karls-Universität Heidelberg / Karlsruher Institut für Technologie (KIT)	3D Matter Made to Order (3DMM2O)
Karlsruher Institut für Technologie (KIT) / Universität Ulm	Energy Storage beyond Lithium
Ludwig-Maximilians-Universität München / Technische Universität München	e-conversion
Ludwig-Maximilians-Universität München / Technische Universität München	ORIGINS: From the Origin of the Universe to the First Building Blocks of Life
Ludwig-Maximilians-Universität München / Technische Universität München	Munich Center for Quantum Science and Technology
Ludwig-Maximilians-Universität München / Technische Universität München	Munich Cluster for Systems Neurology (SyNergy)
Three applicant universities (in alphabetical order by city)	Titel of the Cluster of Excellence
Rheinisch-Westfälische Technische Hochschule Aachen / Rheinische Friedrich-Wilhelms-Universität Bonn / Universität zu Köln	Matter and light for quantum computing (ML4Q)
Freie Universität Berlin / Humboldt-Universität zu Berlin / Technische Universität Berlin	MATH+ The Berlin Mathematics Research Center
Medizinische Hochschule Hannover / Universität Hannover / Carl von Ossietzky Universität Oldenburg	„Hearing4All“ - Research for personalized treatment of hearing deficits

New Clusters of Excellence (EXC) as of 1 January 2019

Decision by the Excellence Commission on 27 September 2018

