

WALDSTADT JÜCHEN

FROM A MINING HOLE TO CLIMATE-POSITIV URBAN DISTRICIT

assignment urban design cpmpetition **location** Jüchen, Germany **size** 20ha **client** Zweckverband Landfolge Garzweiler **services** urban design and landscape architectural design concept **status** completed, 2023 **team** Oliver Seidel, Lisa Iglseider, Lukas Hegele, Tim Kohne **cooperation** urbanegestalt

The Jüchen South urban planning competition deals with a largely unanswered question: How do we want to deal with the post-mining landscape? And in particular: What does a settlement look like that is built on such an area? Do we leave it at the legally stipulated reclamation and pursue settlement development on a greenfield site? Or do we try to live up to the responsibility that comes with urban development and use the opportunity to make a fresh start, to make amends and to mitigate the damage done to the landscape and the global climate?

Our contribution formulates a district as a symbol of this new beginning and an exemplary path for the future. It is based on the circular bioeconomy as an innovative economic model. Based on circular principles, the concept focuses on the sustainable value creation of local resources, especially soil, and thus creates the basis for an attractive and healthy living environment. The concept envisages laying the foundation for a new cultural landscape in Jüchen - the Jüchener Stadtwald - on the artificially created landscape area of the former open-cast mine. This forest forms the landscape architectural foundation for the settlement development, has top priority as an efficient ecosystem, is the basis of a sustainable healing process and a central element of the circular economy. It stores CO₂, provides climate-positive building materials and food, produces energy, functions as a sponge forest and retention area, protects against noise, wind and dust and offers diverse leisure and local recreational functions. The urban forest in its various typologies forms the economic, urban structural and identity-creating basis of the new urban district.

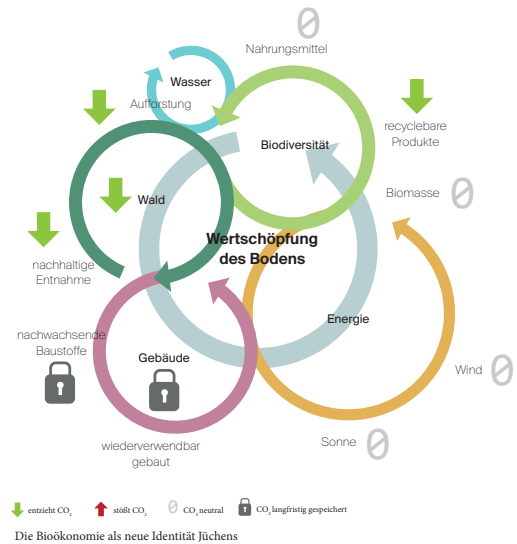
Lineare fossile Wertschöpfung



„Probleme kann man niemals mit derselben Denkweise lösen, durch die sie entstanden sind.“

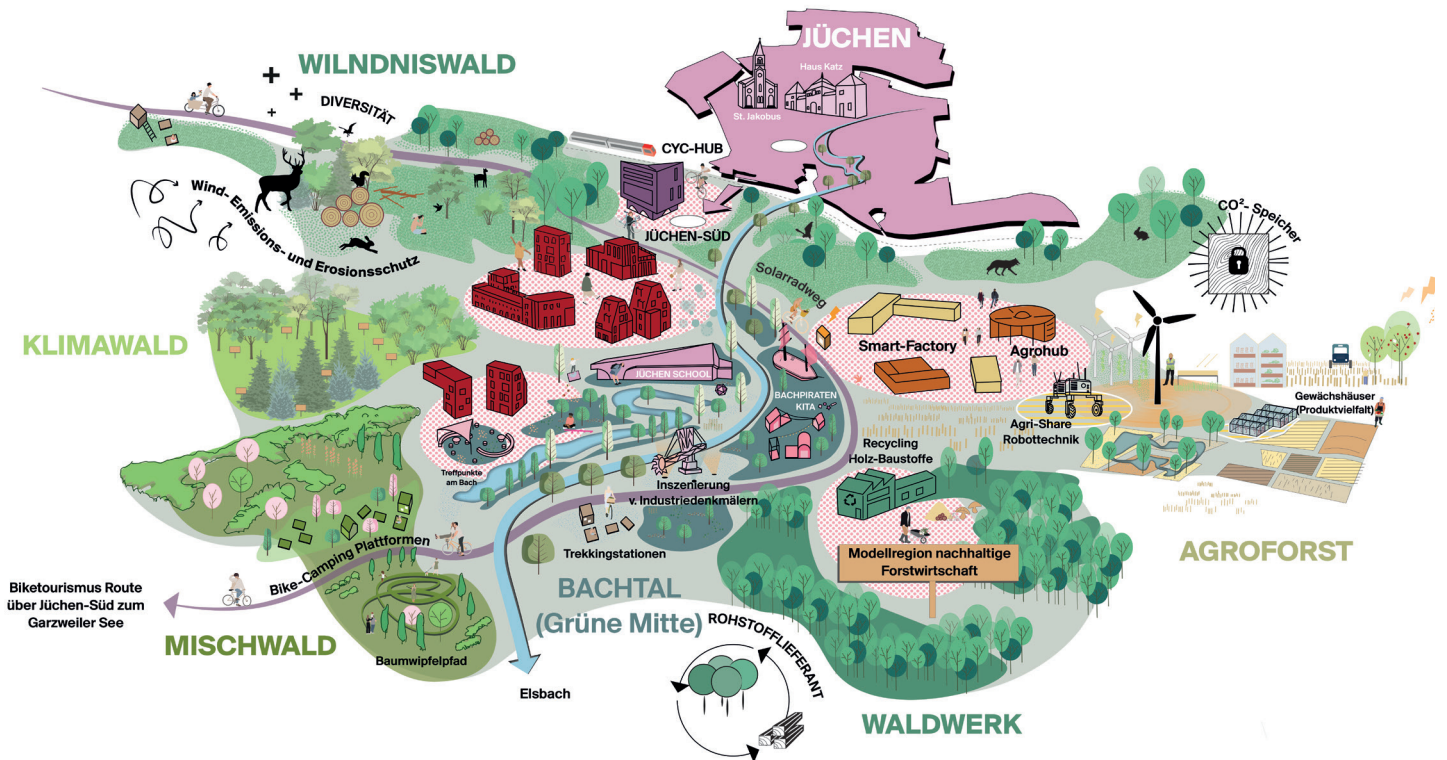
Albert Einstein

Zirkuläre Bioökonomie



Die Bioökonomie als neue Identität Jüchens

The bioeconomy forms the new identity of Jüchen



The typologies of the Stadtwald



siteplan



View of the Generations Park as the green centre of the Waldstadt