### <<干旱半干旱地区生态系统稳定性及>>

#### 图书基本信息

书名:<<干旱半干旱地区生态系统稳定性及其生态修复/中德科学会议文集>>

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#### 内容概要

荒漠化是目前世界范围内主要环境问题之一,其后果就是大量可耕地的丧失和生态环境的退化, 因此,在干旱与半干旱地区如何防治荒漠化、建立稳定的生态系统是目前国内外科学研究的热点问题

中、德、以色列的科学家为此开展了大量的研究工作,于2004年9月在北京召开了第一届中德"干旱半干旱地区生态系统恢复与稳定性"研讨会。

本论文集系统地介绍了中国、德国和以色列干旱与半干旱地区沙漠化防治和生态系统恢复、保护的基本情况和先进方法、措施。

旨在为世界各国的国土资源部门、灾害控制部门、各地方单位的工程技术人员以及相关院校的师生提供参考。

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#### 书籍目录

General Situation, Integrated Harnessing Technique and Future Research Trend of Desertification in ChinaDust and Sandstorm and Desertification in Northeast Asia: Causes and Combating Strategies in View of EcologyInfluence of the Weather Factors on Sand-dust Storm in the Northeast of Ulan Buh DesertStudy on Grassland Resources Assessment and Carrying Capacity in Hunshandake Sand-taking Zhenglan Banner in Inner Mongolia as an ExamplePossibility and Pattern of Vegetation Restoration in Semi-arid Sandy LandDisturbance Creates Stability Experimental Investigations on Mid-European Inland Sand Dunes The Role of Soil Seed Banks. Germination Ecology and the Influence of Soil Crusts for the Successful Establishment of Dominant Plant Species on Sandy SoilsSuccession of Vegetation on Abandoned Land on the South Edge Of humshandake Sand landVariation of Plant Communities Structure and Vegetation Succession in Desertification Process of Otindag Sand Land Assembly Rules in Highly Dynamic Ecosystems the Role of Disturbance for Restoration of Sand Dune Vegetation in Central Europe and Northern ChinaBush Community Succession in Catchment of Miyun ReservoirEcosystem Processes and Vegetation Patterns in Desert Sand Dunes: Nizzana, North-western Negev, as an ExampleEffects of Dune Vegetation on the Intensity of Sand FluxBiological Soil Crust and Desertification ControlSustainable Development on Plant Germ Plasma Resource in Yulin Sandland Relationship between the soil water condition and vegetation distribution pattern in Yanchi, Ningxia provinceTree-scale Transpiration Dynamics of Hedysarum scoparium in Response to Growth Stage, Groundwater Table Depth, and Climate in a Semi-arid Environment in Northwestern ChinaQuantification of the site Specific Water Balance an Integrative Approach Ralph Meissne ,Frank Bohme Growth Response of Platycladus Orientalis to Periodic Changes in the Water Supply at Different Stages of Its Annual Growth PeriodZonal Characteristics of Soil and Water Loss and Reconstruction of Protection in The Loess Plateau of China Water Resources Utilization and Ecological Environment in Arid and Semi-arid Area of Northwest ChinaGrading of Woodland Soil Water Availability on Loess Plateau in Semi-arid Region Degraded Ecosystem and Its Rehabilitating Measures in Sandy Areas of the North ChinaEvaluation of Factors which Affect Plant Cover Rate by Air-seeding In erdos of Inner Mongolia of ChinaDiscussion on Approaches of Vegetation Restoration in Hunshandake Sandy landThe Ecological Technology ReviTec in Combating Degradation: Concept, First Results, and Applications Combating Desertification in the Northern Aral Sea RegionMonitoring of Desertification based on Rainfall Use Efficiency(using remote sensing technology) in Mingin Oasis, Gansu Province. ChinaLand Evaluation and Land Use Spatial Arrangement Planning in Hilly-gulley Area of Loess PlateauStudy on Characteristics of Wind-sand Movement on Xandy Land Surface and Efficiency of Wind-sand retardation of Artificial Vegetation in Yongding River of BeijingTest and Forecast Model of Desertification in Semi-arid Sand LandSocio-economic Perspectives of Sustainable Natural Resources Management and GovernancePolicy Instruments for Environmental and Natural Resource Management: Economic Perspective and Integration of Dnowledge From Natural SciencesEffect of Preferential Flow on Infiltrated Flow and Surface Runoff in the Granite Area of the Three Gorges, Yangtze River, ChinaEffect on Plant Growth and WUE to Soil Dry-wet Changing and Aquasorb Treatment

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