中欧水资源平台(CEWP)--海绵城市及其他:应用"三点法"建设具有气候韧性HINA的城市地China-Europe Water Platform (CEWP) - Sponge Cities and beyond:EUROPE Climate Resilient Urban Areas by application of the Three Points Approach Let Platform

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17:10 - 17:30	Wrap-up and conclusions 总结与结论	Mr Klaas Groen 先生 荷兰



# 3. China Europe Cooperation on Sponge Cities

Mrs Natalie OONK-ABRAHAMS

Senior policy advisor International European Programs & EU Digitalisation Coordinator, Ministry of Infrastructure and Water Management, DG Rijkswaterstaat, the Netherlands

# CEWP PI Lot #3 水与城市化 CECoSC 合作伙伴



EU Partners		CN Partners	
荷兰	Rijkswaterstaat	中国城市规划设计研究院 CHINA ACADEMY OF URBAN PLANNING & DESIGN	
丹麦	Ministry of Infrastructure and Water Management  UNIVERSITY OF	/ 北京市水务局	
芬兰	TURKU AMK	BEIJING WATER AUTHORITY	
瑞典	TURKU UNIVERSITY OF APPLIED SCIENCES  Research Institutes of Sweden Onderzoeksinstituut		
合作城市	阿姆斯特丹、图尔库 哥本哈根、哥德堡	试点城市 北京 常德(湖南省)	



### CHNA EUROPE Water Platform



### CHINA EUROPE Water Platform





### CHINA EUROPE Water Platform



• 未来的合作(城市对城市、城市对政府和国际合作), 提供能力建设支持和

工具包





### CHNA EUROPE Water Platform

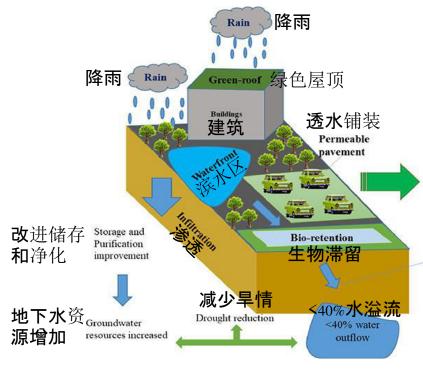




# CECoSC 项目: 共同主题



**如何充分利用我**们在雨水 **管理方面的投**资?



**巨大而复**杂的任务需要新技能、 **新技**术和新产品

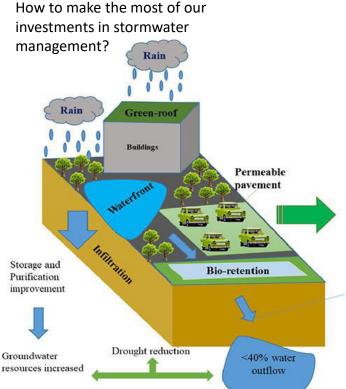
### 1. SCC 决策支持工具

- => 平衡蓝绿和灰色(传统)排水系统
- 2.蓝绿基础设施的经济评估
- 3.动态适应路径法
- 4.监测蓝绿基础设施
- 5.为 BGI 和海绵城市融资
- 6.共同创造和社区参与
- 7.管理



## The CECoSC project: shared themes





Huge and complex task requiring new skills, technologies and products

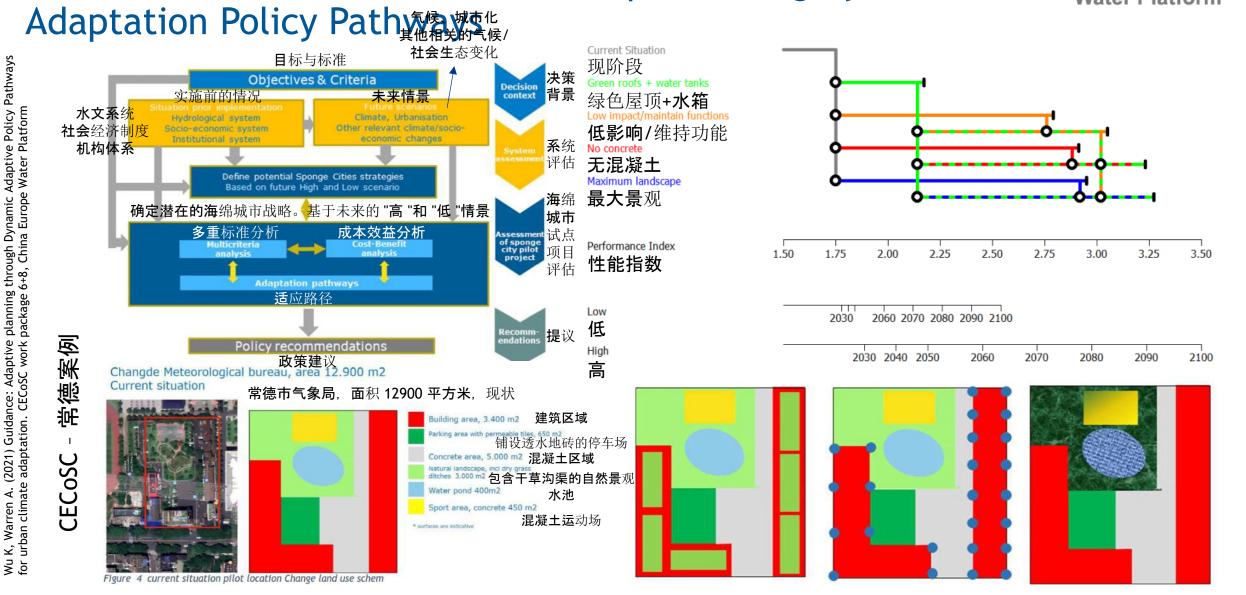
- Decision Support Tools for SCC
   => Balancing blue green & grey (traditional) drainage systems
- 2. Economic evaluation blue green infrastructure
- 3. Dynamic Adaptation Pathways approach
- 4. Monitoring blue green infrastructure
- 5. Financing BGI & Sponge cities
- 6. Co-creation and community involvement
- 7. Governance



# 利用动态适应政策路径生成和评估备选计划

Generate and evaluate alternative plans using Dynamic

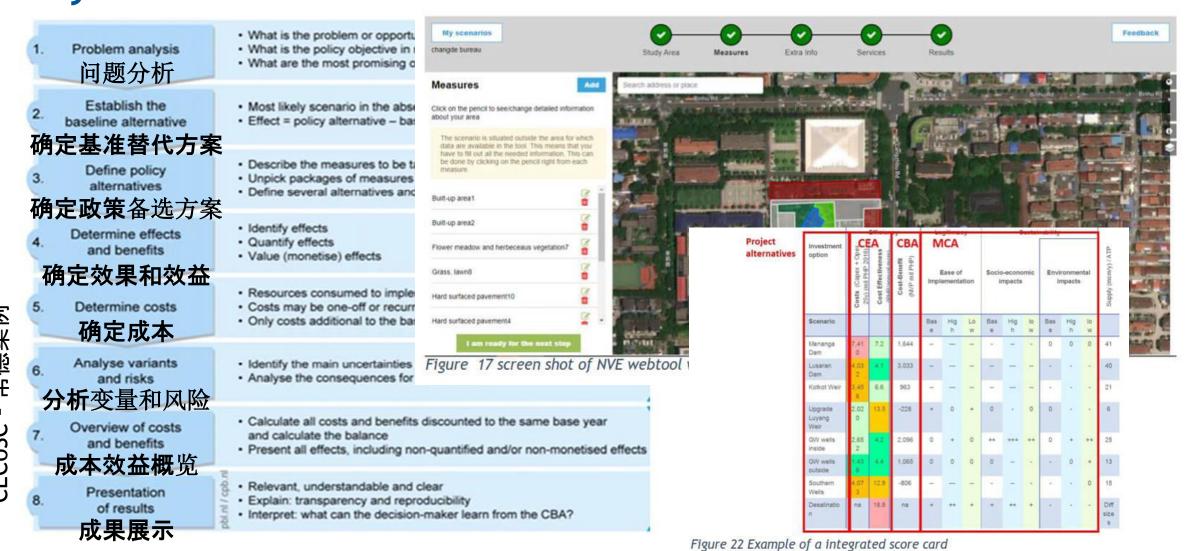




# 部飾 EC<sub>o</sub>S(

# 使用成本效益分析方法评估备选计划 Evaluate alternative plans using Cost - Benefit Analysis methods





# China Europe Cooperation on Sponge Cities 中欧海绵城市合作



CEWP 海绵城市项目的政策指导对此进行了详细阐述: https://cewp.eu/policy-guidance



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#### Policy Guidance on China-Europe Cooperation on Sponge Cities

#### 1. CEWP Policy Dialogue Process

The China-Europe Water Platform (CEWP) is designed around three strategic pillars - Policy Dialogue, Research and Innovation and Business Cooperation - with, at the same time, four thematic Focus Areas, namely Water Management and Ecological Security, Rural Water & Food Security, Water & Urbanization, Water & Energy Security.

Aiming to raise and to deepen the Policy Dialogue, there are ongoing activities between Chinese and European partners under each of these themes and in additional cross cutting issues as New Visions on Integrated Approaches, Business Cooperation and Climate Change.

And due to the fact that CEWP-EU has five Grant Contracts with EUDEL, this Policy Dialogue, being

#### 中欧海绵城市合作的政策导向

#### 1.中欧水资源交流平台政策对话进程

中欧水资源交流平台围绕政策对话、研究与创新、商业合作三大 战略支柱以及水资源管理与生态安全、农村水资源与粮食安全、 水资源与城镇化、水资源与能源安全四个重点领域展开。

为了提升和深化政策对话,中欧合作伙伴正在这些主题下开展活动,并围绕综合方法的新愿景、商业合作和气候变化等其他交叉问题开展活动。

由于中欧水资源交流平台欧盟方面已与欧洲代表团签订五份赠款 合同,本次政策对话将

# 提议 CEWP-CECoSC 政策报告



- 1) 降低风险,实现效益最大化:采用三点法 (3PA)规划弹性(城市)水系统
- 2) 利用蓝绿基础设施升级现有灰色基础设施
- 3) 让公民和其他学科的专家参与蓝绿基础设施的实施
- 4) 改进战略、战术和业务资产管理
- 5) 建立蓝绿基础设施资产登记册
- 6) 促进纵向和横向互动(和学习),以支持新的治理安排
- 7) 寻求与其他部门的协同效应

# Recommendations CEWP-CECoSC Policy Report



- Reduce risks & maximize benefits: Use the Three Points Approach (3PA) to plan a resilient (urban) water systems
- 2) Upgrade existing grey infrastructure using Blue-Green Infrastructure
- Engage citizens and experts from other disciplines in Blue-Green Infrastructure implementation
- 4) Improve strategic, tactic and operational asset management
- 5) Establish an asset register of Blue-Green Infrastructure
- 6) Enable vertical and horizontal interactions (and learning) to support new governance arrangements
- 7) Look for synergies with other sectors

# 超越海绵城市转型,将极端天气事件纳入



# 3PA的范畴



**重**现期(**年**)



# 拥抱水

在城市环境中

# EMBRACE WATER

in the urban enviroment





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