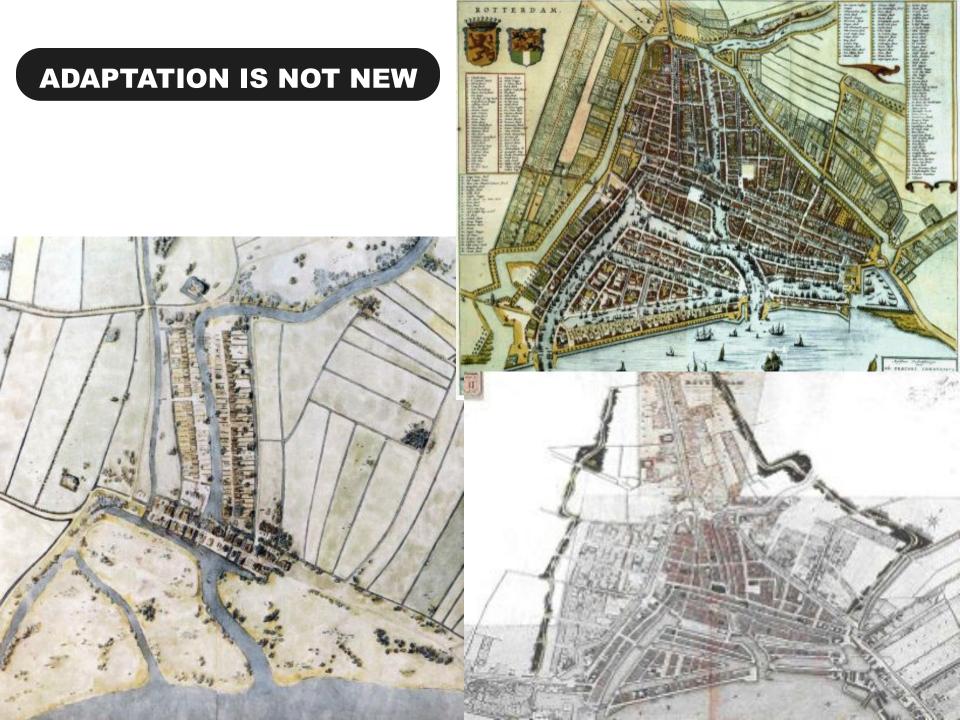
# **Rotterdam Climate Proof** the transition towards the Rotterdam Resilience Programme John Jacobs Rotterdam Climate Proof – Water Management www.rotterdamclimateinitiative.nl

#### **WHY ACT NOW?**







LARGEST PORT OF EUROPE 40 KM HARBOUR 2800 KM SEWER SYSTEM THREE WATERBOARDS
612.000 INHABITANTS
400 KM CANALS + 1000 PUMPING
STATIONS



## **WATER CHALLENGES**



#### WATER CHALLENGES



















#### **OFFERS OPPORTUNITIES**







#### **ROTTERDAM APPROACH**





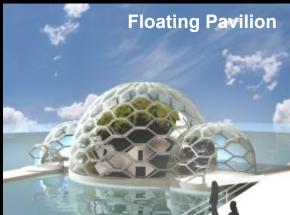
#### **Knowledge**



#### **Action**

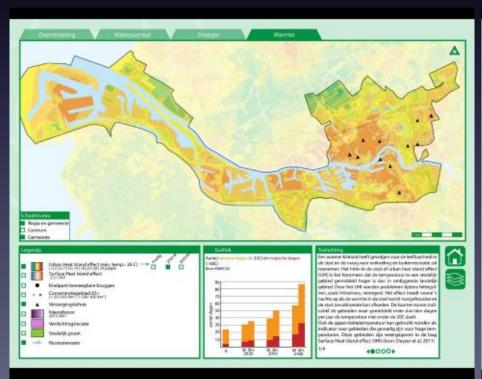


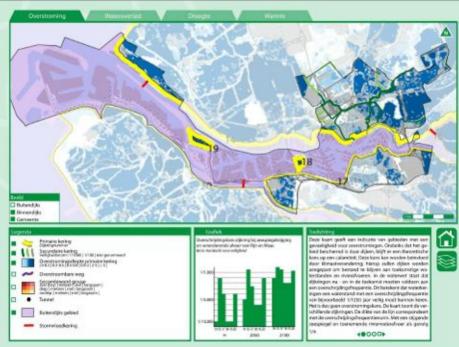
#### Marketing



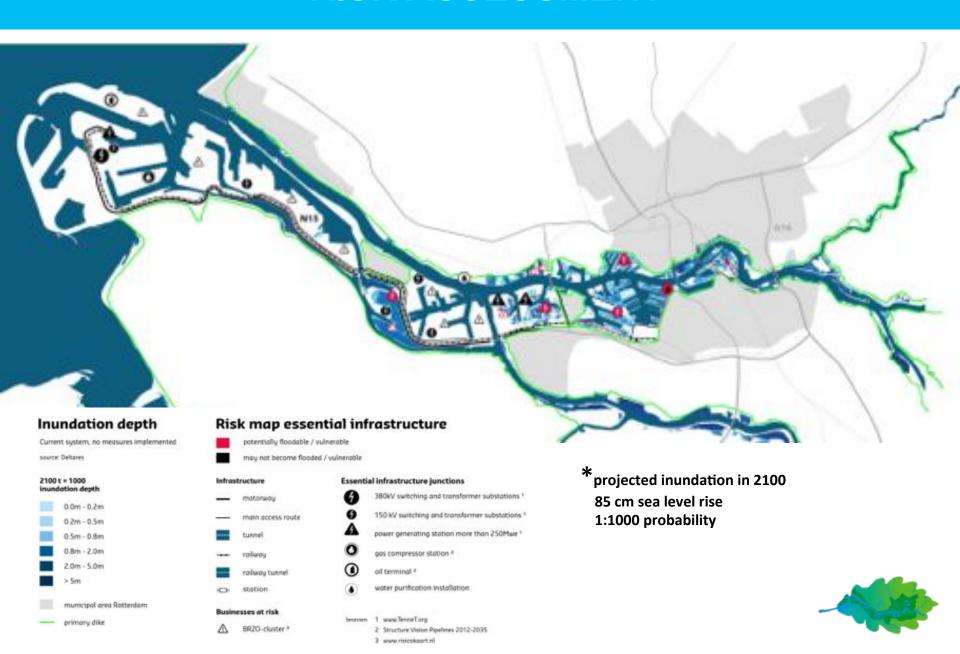


#### Interactive Climate Atlas Rotterdam: Risk Assessment

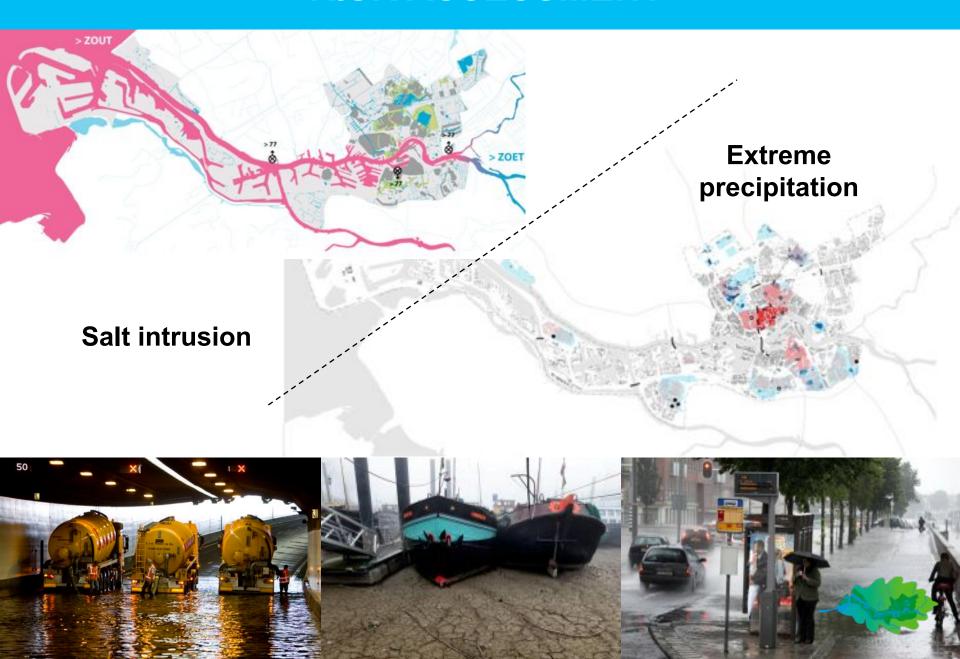




## **RISK ASSESSMENT**

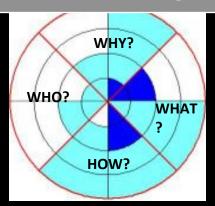


## **RISK ASSESSMENT**



#### **INNOVATIVE INSTRUMENTS**

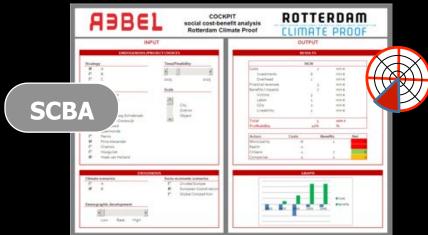
#### **ADAPTATION BAROMETER**

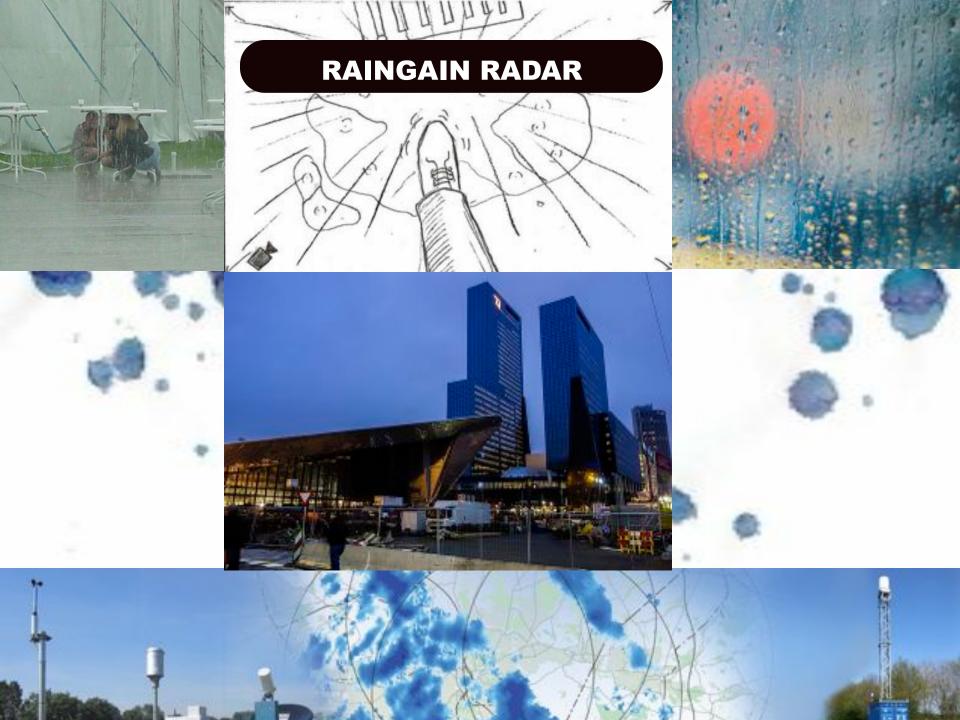




#### **TOOLKIT**









#### A SAFE, LIVABLE CITY WITH ADDED VALUE



The city and its inhabitants are **protected** from the rivers and the sea



The city and its inhabitants experience minimal disruption from too much or too little rainfall



The port of Rotterdam remains safe and accessible



The inhabitants of Rotterdam are **aware** of the effects of climate change and know what they can do themselves



Climate change adaptation contributes to a comfortable, pleasant and attractive city in which to live and work



Climate change adaptation strengthens the **economy** of Rotterdam and its image





Robust and resilvest





Protection and moving in tune





Delta works and small-scale projects





Technology and noture

#### **RAS: PRINCIPLES**





Climate change adaptation increases the quality of the living environment



Climate change adaptation strenghtens the economy











Climate change adaptation involves the inhabitants



Climate change adaptation strenghtens the ecological quality





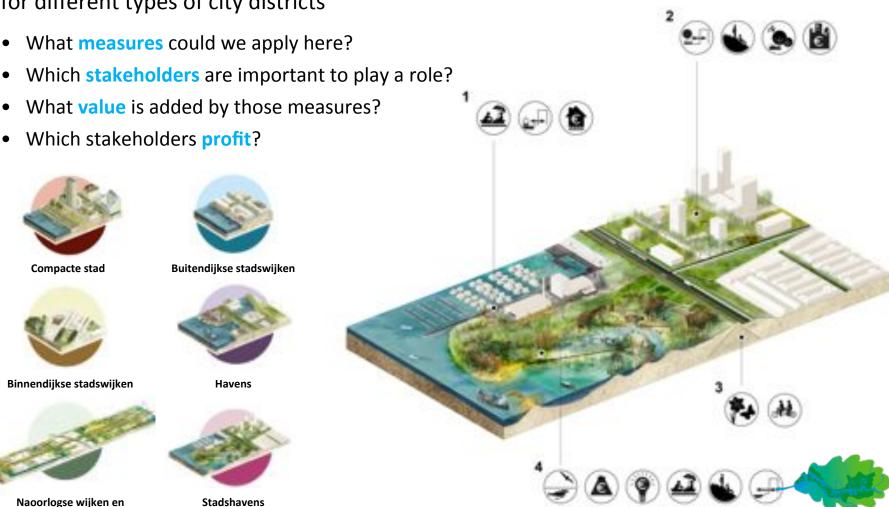




#### Perspective for the climate resilient delta city

buitengebieden

Illustrative reproduction of the possibilities for climate adaptation for different types of city districts















#### **DE URBANISTEN**



#### **INVOLVING STAKEHOLDERS**













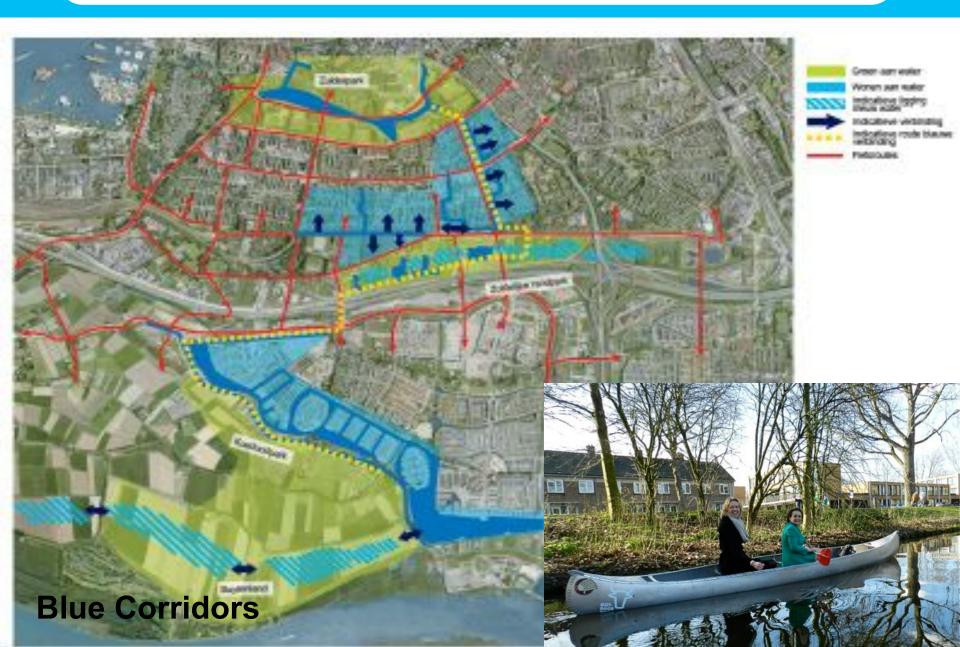
POST-OFFICE





7 SEASONS DE URBANISTEN

#### **ADDING SURFACE WATER**









#### **TOGETHER WITH PARTNERS**



### A∋B∈L





















































#### **CONNECTING DELTA CITIES**

-----------Vancouver Venice Ghangwon Tokyo

Mumbai Dhaka
Hong Kong New York New Orleans Bangkok Ho Chi Minh City Singapore .... .... Jakarta ... .... Rio de Janeiro H. . .......

Melbourne •••

Buenos Aires

LAC TRONG LÎNH VỰC THÍCH ỨNG VỚI BIẾN ĐỚI KHÍ HẬU. THÀNH PHÓ HÓ CHÍ MINH, NƯỚC CỘNG HÒA XÃ HỘI CHỦ NGHĨA VIỆT NAM VÀ THÀNH PHỐ ROTTERDAM, VƯƠNG QUỐC HÀ LAN

TIỮA CẦU LẠC BỘ DOANH NGHIỆP XUẤT KHẨU TP. HỔ CHÍ MINH (VEXA) TẨM XÚC TIẾN NHẬP KHẨU TỬ CÁC NƯỚC ĐANG PHÁT TRIỂN (CBI)

#### SIGNING CEREMONY





# **DELTAS IN TIMES OF CLIMATE CHANGE**

2nd INTERNATIONAL CONFERENCE

ROTTERDAM, THE NETHERLANDS 24 - 26 SEPTEMBER 2014



OPPORTUNITIES FOR PEOPLE, SCIENCE, CITIES AND BUSINESS

www.climatedeltaconference2014.org



## ROTTERDAM RESILIENT CITY









33 Resilient Cities Announced by Rockefeller Foundation

ву: Judith Rodin



100 Resilient Cities



#### **RESILIENT ROTTERDAM**



