

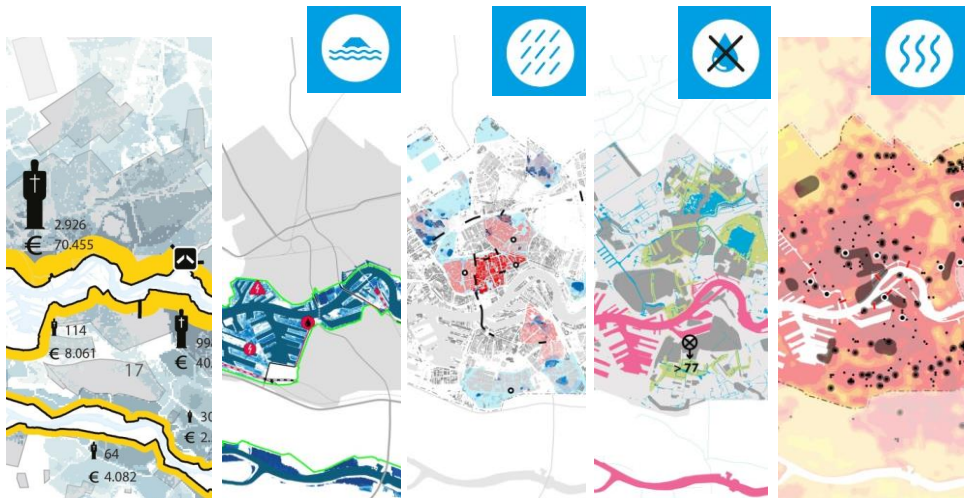
**Chantal
Oudkerk Pool**

**Mainstreaming adaptation:
maximizing piggybacking**



10-5-2016

CC related challenges



Possible consequences of flooding:
Inner dike and outer dike

Increasing number of problem locations concerning:
Storm water, salination and drought , heat island effect



RAS: OBJECTIVES

- Protection from river and sea
- Minimal disruption from too much or too little rainfall
- Accessible and safe port
- Community awareness
- CCA leads to a more attractive city
- CCA strengthens economy



Strategy

- Big & Small
- Grey & Green
- Protect & Embrace
- Maximise piggybacking to reduce costs and nuisance



Sewerage + water square



Dikes + adaptive building en design



Storm surge barriers + more permeable area



Pumping + green river banks



From stand-alone to standard procedure

Examples:

- Heat procedure for prioritised bridges
- Heat and drought in tree policy
- KvF package deal
- Pilot areas
- Elevation standards
- Permeable pavement Rotterdam Standard



Analysis of municipal instruments

Programmes, plans & procedures:

- Operation & Maintenance (e.g. sewerage)
- Greening programmes
- Private investments (negotiations)
- Municipal plans (e.g. masterplans, zoning plans)
- Regulations (e.g. building permits?)
- Conditions: standard designs ('moederbestek').

>> focus on municipal activities:
 large area + big influence = high impact



MAINSTREAMING THE RAS PER DISTRICT

district	street	Rivier	Wegwijn	Wijk	N.V.V.	Opbouw Verduurzaming	Groene Buisen, Soorten	Groen	Bouwen	Smeets	Compassie	Vakken en Leden: aanpak/activiteit	Snel, Slim	Werkelementen	Snel, Slim	Snel, Slim	Snel, Slim	Snel, Slim	Snel, Slim	Snel, Slim	Snel, Slim	Snel, Slim	Snel, Slim	Vernieuwingsplan			
																								SO Verkeer	SO Woningbouw		
Schiedamschen	Mozartlaan - Zuid e.o.																										
Schiedamschen	Bachlaan	x																									
Schiedamschen	Chippolaan	x																									
Schiedamschen	Vaerweg	x																									
Schiedamschen	Wilaerpad	x																									
Schiedamschen	Leidzaam	x																									
Schiedamschen	Berendlaan	x																									
Schiedamschen	Miscarlaan	x																									
Schiedamschen	Miscarlaan - Zuid e.o.																										
Schiedamschen	Wijgerlaan																										
Schiedamschen	Oud Hillegersberg	x																									
Schiedamschen	Wijgerpark??																										
Schiedamschen	Stratweg																										
Schiedamschen	Ringdijk	x																									
Schiedamschen	Taliesweg (West) Inci Kwabestraat en de Beelcourlaan	x																									
Schiedamschen	Taliesweg - Oost	x																									
Schiedamschen	Naberstraat - Openheimstraat	x																									
Schiedamschen	Molenvijver e.o.	x																									
Schiedamschen	Molenvijver	x																									
Schiedamschen	Molenstraat	x																									
Schiedamschen	de Vijverstraat	x																									
Schiedamschen	de Vijverstraat	x																									
Schiedamschen	Raaiwaan	x																									
Schiedamschen	Tjaekelaan	x																									
Schiedamschen	Spiritoelaan	x																									
Schiedamschen	Jaarwerfstraat	x																									
Schiedamschen	Staverlaan	x																									
Schiedamschen	Bovenlaan	x																									
Schiedamschen	Wijgerlaan																										
Schiedamschen	Peperweg	x																									



Next steps & challenges

Assign mainstreaming manager/officer to support CCA ambassadors in the various teams.

Challenges:

- Bridging the gap between strategy and practice: the more practical, the more details are required
- Tailor-made approach (from designer to real estate negotiator)
- Budgetary silos
- Abundance of sustainability requirements

