BALTIC FLOWS 2013–16

Adapting Urban Areas to Climate Change via Rainwater Management: the Project Baltic Flows
BALTIC FLOWS 2013–16

www.balticflows.eu

Coordinated by the University of Turku, Finland

European Commission
7th Framework Work Programme
Regions of Knowledge
FP7-REGIONS-2012-2013-1
Project no: 319923

three years
three million euros
six nations
seventeen organisations
one Baltic Sea
one joint action plan
THE AREA
THE STARTING POINT: RAIN WATER USE AND MONITORING CAN ASSIST IN CLIMATE CHANGE ADAPTATION
VISION: ADAPTING URBAN AREAS TO CLIMATE CHANGE VIA RAIN WATER MANAGEMENT

The project fosters enhanced urban planning and methods for handling stormwater: avoiding flooding and untreated discharges, and exploiting rain water resources to minimize some of the impacts of climate in urban areas.
Participating regions

Hamburg Germany
Riga Latvia
Tallinn Estonia
Turku Finland
Uppsala Sweden

UK / China
Baltic Flows: it is all about rainwater management!
Actions at urban level in the various regions

1. Tallinn, Estonia
- stormwater management
- quality and monitoring of surface waters
- impact of agriculture on water quality

2. Turku, Finland
- technology miniaturisation
- sensor technology
- water monitoring technology
- water monitoring via citizen participation

3. Hamburg, Germany
- stormwater management
- smart urban planning for effective stormwater management

4. Riga, Latvia
- renewable energy
- energy conservation
- energy-environmental policy

5. Uppsala, Sweden
- upstream headwater monitoring
- water flow modeling
- water monitoring technology
BalticFlows: Interregional synergies

1. Tallinn
2. Turku
3. Hamburg
4. Riga
5. Uppsala

CLIMATE CHANGE

water flow modeling expertise
upstream highwater monitoring expertise
power from renewable energy expertise
water flow
stormwater mgmt expertise

impacts of agriculture on water quality expertise

water quality monitoring technology and expertise

power from renewable energy expertise
stormwater mgmt expertise

BalticFlows: Interregional synergies

CLIMATE CHANGE
Baltic Flows: Implementing the JAP

New business plans
Some real examples I
Some real examples II

Project: Scharnhauser Park
Location: Ostfildern, Germany
Team: Janson + Wolfrum Architektur + Stadtplanung (Master plan)
Atelier Dreiseitl (Rainwater management planning)
Clients: City of Ostfildern
Budget: Rainwater management planning = 11M €
MAIN CONCLUSION

THE MANAGEMENT OF RAINWATER CAN INCREASE THE RESILIENCE OF URBAN AREAS TO CLIMATE CHANGE, PROTECT PROPERTY AND INCREASE SUSTAINABILITY.
THANK YOU FOR YOUR ATTENTION!