

# 5 Case studies with urban turbines, Amsterdam



Opportunities and bottlenecks in the preparation process for urban turbines

# Aim of the research

- Overview of bottlenecks and opportunities
- Contribution to WINEUR
- Generate the information for the municipalities of Amsterdam



# Contents of report

- Interviews with 10 directly involved experts
- Description of 5 project cases
- Suggestions for improvement of procedures
- Other suggestions



# Bottlenecks and opportunities

## Bottlenecks

- Legal framework, policy, financial incentives (8x)
- Process: persons involved, location (6x)
- Urban turbine technology (1x)

## Opportunities

- Legal framework, policy, financial incentives (3x)
- Process: persons involved, location, financing (18x)
- Urban turbine technology (1x)



# Bottlenecks permit procedure

- No clear criteria regarding flickering and shadowing (and no risk analysis for the neighbourhood)
- No dedicated legal documents and criteria for all type of urban turbines
- Existing legal documents are contradictory
- Permit procedure is very strict, a minor change in design requires a new permit



# Opportunities permit procedure

- No permit required
- urban turbines imbedded into regional development plan
- Make the Art 19 procedure more simple