

Urban Levees

Pitch: Best practices in Rotterdam

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From strategy to projects



Challenge:

- Combine city development and strategy for safety against flooding
- Cooperation with all stakeholders

Leads to climate resilient urban levees

Examples:

- Roof Park
- Terraced Levee Hilledijk

Roof park



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Roof Park



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Roof Park



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Roof park



- Project is actually been realised
- Levee is situated besides a shopping mall, parking garage and a park on top of it
- Cooperation with all stakeholders: water board, municipality, private developer, residents
- Discussion about responsibility and consequences future adaptation/elevation. Action of Alderman

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First Terraced Levee: Hilledijk

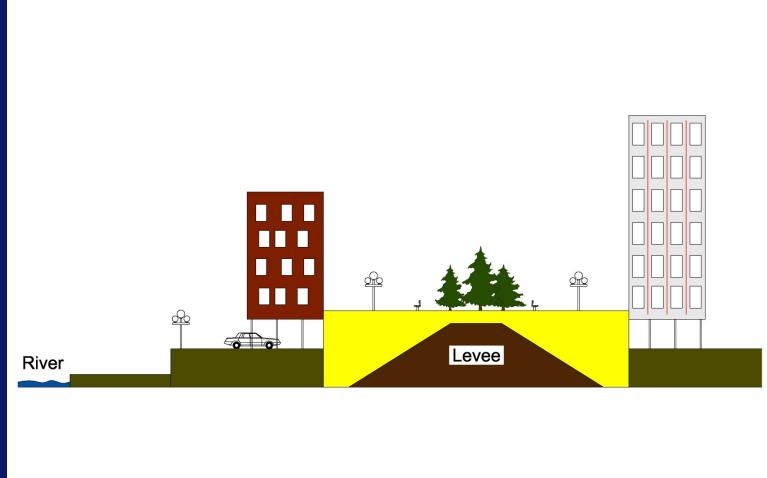


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Cross-section Terraced Levee Hilledijk



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Artist Impression Hilledijk



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Terraced Levee Hilledijk



- Project is in phase of decision making and procedures
- Levee is integrated in plan for city development
- Stakeholders are cooperating and funding together:
water board, municipality and housing corporation
- Oversized & no slopes, all space is used: first terraced
levee

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Conclusions



- Two projects with multifunctional, urban levees in Rotterdam, in the future more to come.
- Roof park: municipality is responsible for future elevation
- Terraced Levee Hilledijk: 3 stakeholders, 3 goals, 3 budgets: cooperation