



Implementing an ISO 55.000 series based generic management system for governmental asset managers

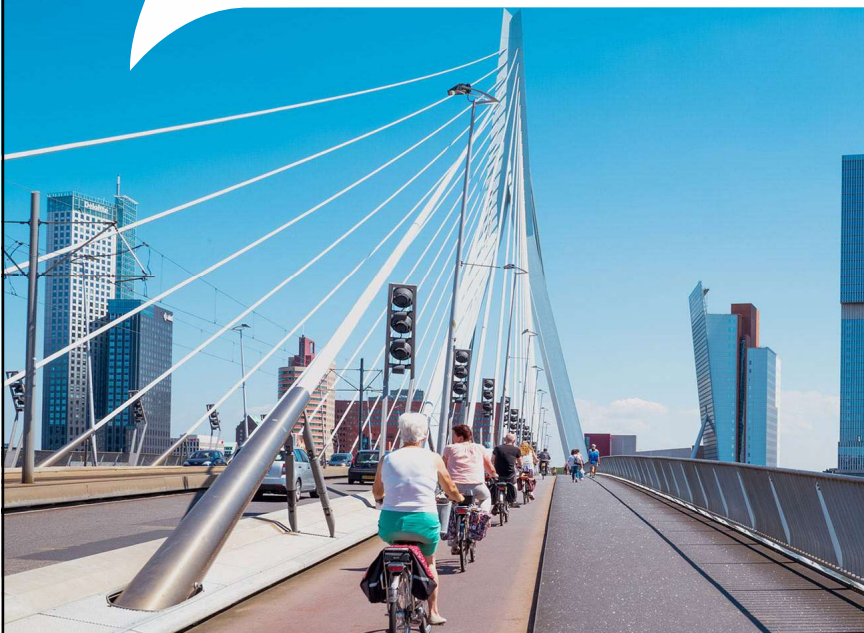
IALCCE workshop
Rotterdam
October 29th, 2019

Martijn Buitenhuis, Patrick Gooren, Harro
Verhoeven, **Jos Wessels**

CROW, the Netherlands



CROW, the Netherlands



- Dutch knowledge platform
- Not for profit
- Development of practical guidelines
 - Public Transport
 - Infrastructure
 - Public space
 - Contracting
 - ...
- Dissemination and implementation
- In cooperation with sector (government, market, knowledge institutes)





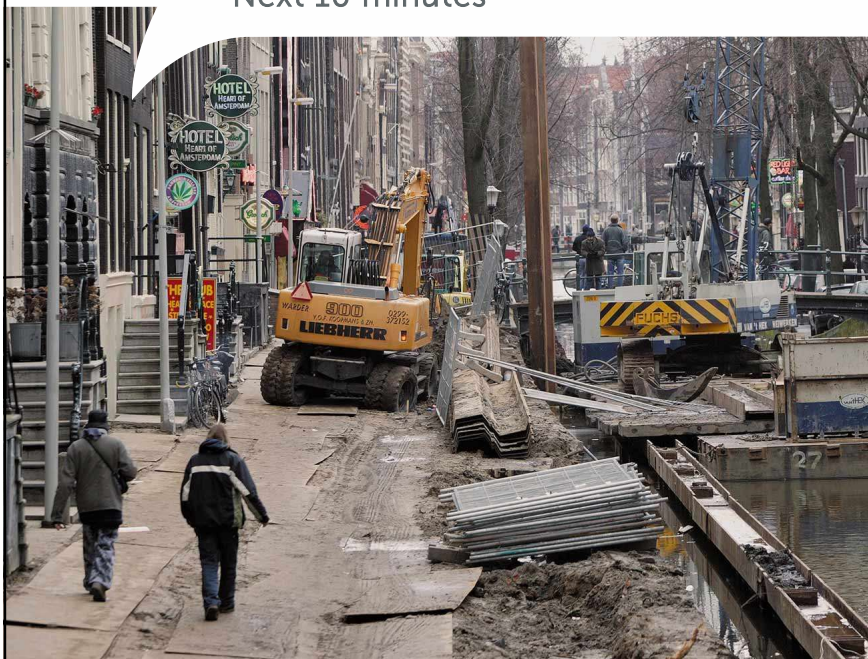
Dutch municipalities (figures from 2017 [toponderzoek.nl])



- 388 Dutch municipalities
- Mean # inhabitants: 44.021
- 1 Amsterdam: 844.947
- 2 Rotterdam: 634.660
- 8 Almere: 200.914
- 31 Venlo: 101.059
- 79 Heerenveen: 50.203
- 100 Berkelland: 44.238
- 200 Buren: 26.348
- 300 Staphorst: 16.691
- 388 Schiermonnikoog 941

Practical, ready to use AM tools are needed for most of our governmental bodies!

Next 10 minutes



1. Asset management public space
2. Asset management system, to help asset managers
3. Tool to create organisational awareness
4. Experience

MADE BY

Projectteam	Organisation
Eddy Westdijk	CROW
Ceciel van Iperen	CROW
Paulette Dicker	DON Bureau
Peter Schut	Royal HaskoningDHV

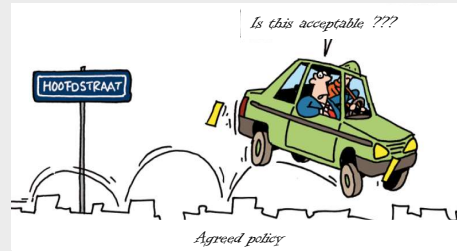
Developmentteam	Organisation
Hans van Leeuwen	Gemeente Dordrecht
Jaap Batenburg	Gemeente Enschede
Jeroen de Cortie	Gemeente Nijmegen
Harry van der Giezen	Gemeente Assen
Henri Bijkerk	Provincie Overijssel
Jan Fijan	Provincie Gelderland
Berwich Sluer	Boskalis
Karin Diederiks	KIWA KOAC
Marco Aberkrom	CMS AM
Luut van Hoogevest	SWECO
Alfons Schuurmans	InArea
Robbert Bloksma	iAsset
Oane Hornstra	Antea Group

And many others



The world has changed

Public space manager is managing within boundaries
(Reasonable) boundaries are given by politicians (rules & regulations, policy)
Based on objective information and feed back
Supplied by public space manager



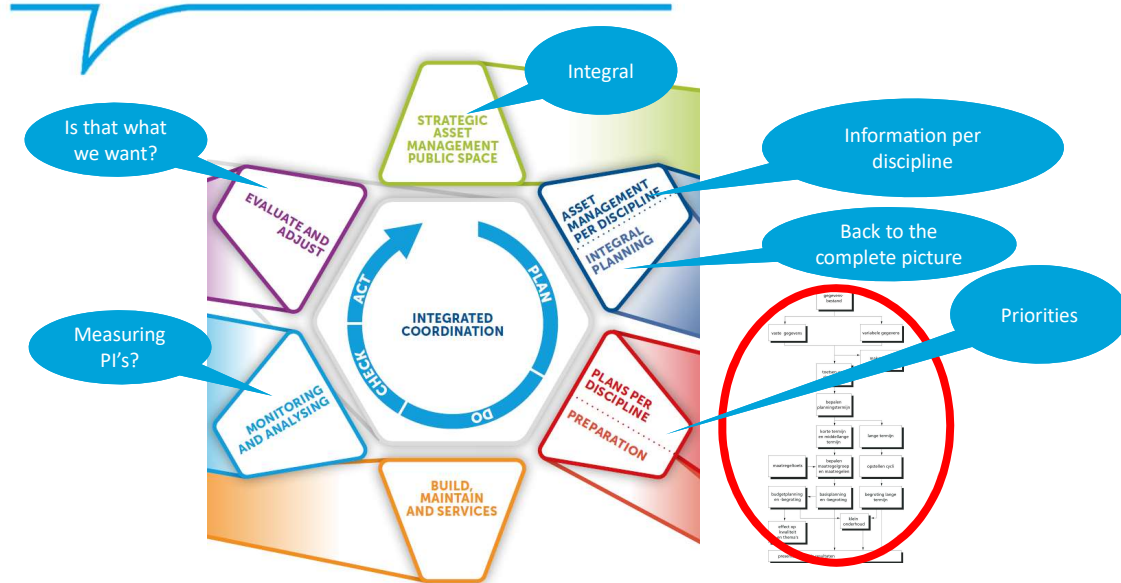
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Asset management versus management system



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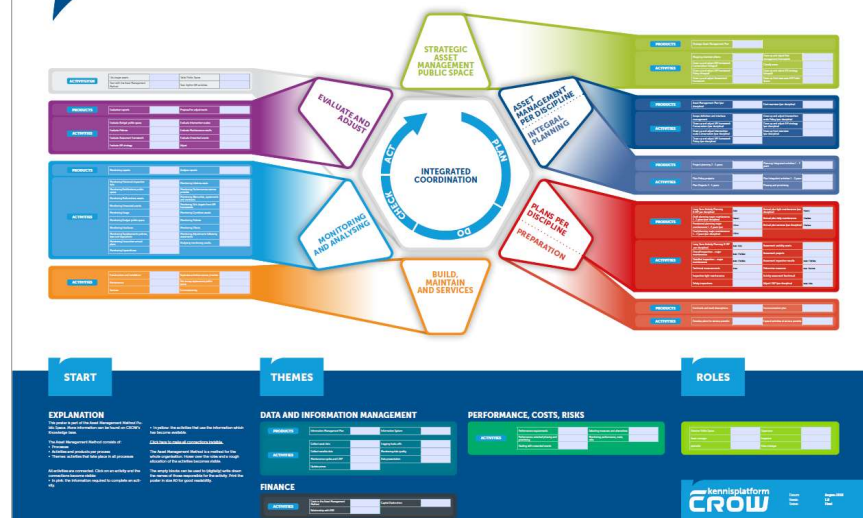
Management system as a tool to implement asset management



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ASSET MANAGEMENT METHOD PUBLIC SPACE

an IAMPro-product for the asset manager



Same for all disciplines, for all asset managers



Detailed tools for:



Roads
(available)



Green
(under development)



Structures
(just started)

+ Sewerage? Drainage?

+ Street lighting ?

+ Road furniture ?

+ Installations ?

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Checklist Products

Strategic Asset Management Plan

Checklist Activities

Mapping intended effects

Draw up and adjust Risk management framework

Draw up and adjust AM framework

Classify areas

Conservation (Integral)

Draw up and adjust AM strategy

Policy (Integral)

(Integral)

Draw up and adjust Assessment framework

Draw up Cost overview AM Public Space

PRODUCTS

Asset Management Plan (per discipline)

Cost overview (per discipline)

ACTIVITIES

Scope definition and interface management

Draw up and adjust Intervention scale Policy (per discipline)

Draw up and adjust AM framework

Draw up and adjust AM strategy (per discipline)

Conservation (per discipline)

Draw up Cost overview (per discipline)

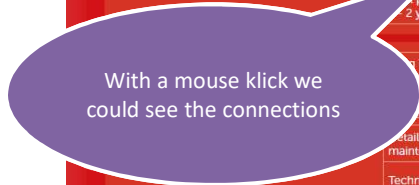
Draw up and adjust Intervention scale Conservation (per discipline)

Draw up and adjust AM framework Policy (per discipline)

PRODUCTS

Project planning 2 - 5 years

Planning Integrated activities 1 - 2 years



'blank spots are made very clear'



Integration of planning per discipline



Organising the “Public space table”



Integral planning

Projects – leading and following

Benefits of making work with work

Looking forward →
1st, 2nd and 3 – 5 years

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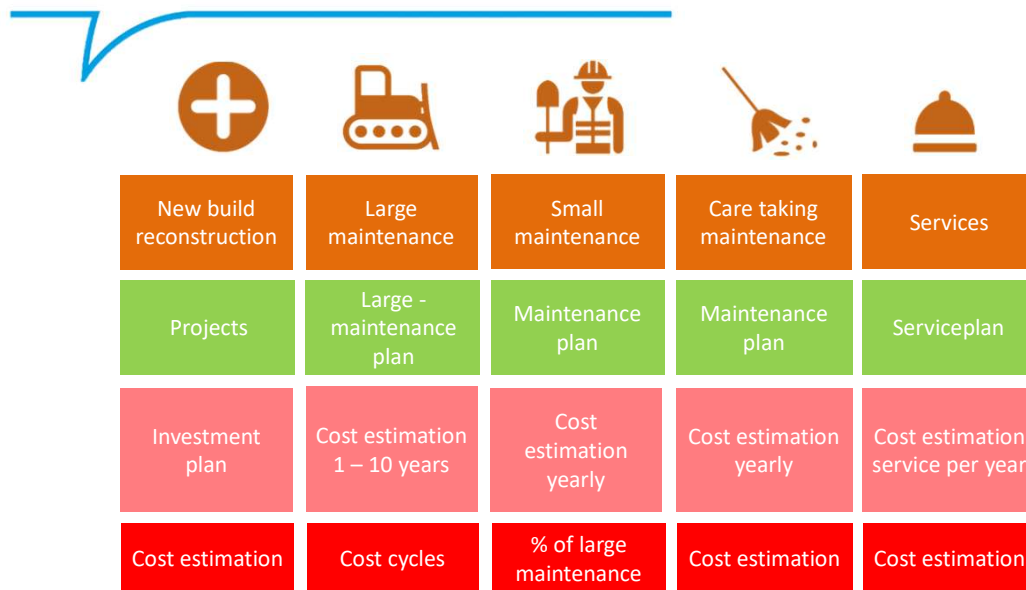
Cost overview



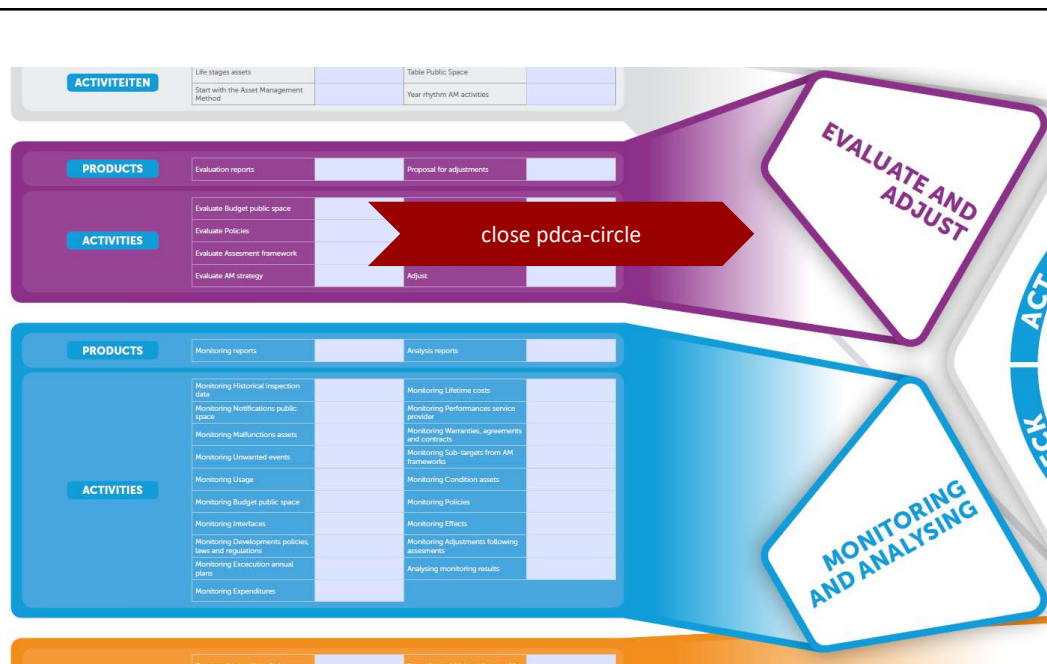
PRODUCTS	Asset Management Plan (per discipline)		Cost overview (per discipline)	
	Scope definition and Interface management		Draw up and adjust Intervention scale Policy (per discipline)	
	Draw up and adjust AM framework		Draw up and adjust AM strategy	

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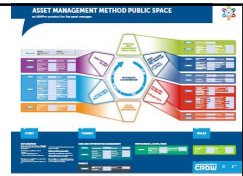
Life cycle costing



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Experience



- Interactive poster used within the disciplines (roads, sewerage, ...)
- In small groups (2 to 6 people)
- Awareness that products and activities are part of a cycle
- Inventory of owned assets and state of maintenance is not enough
- Importance of an asset management system accepted
- Difference in maturity between disciplines
- Next step: short term implementation program
- Starting with programming per discipline
- Leading to a strategic management plan public space
- Step by step development to level maturity of disciplines and activities
- Leading to more efficient and effective use of means for the inhabitants

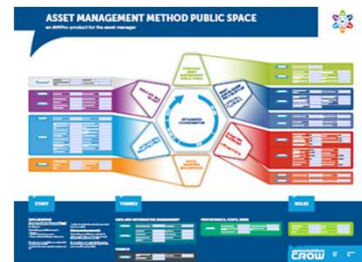
Summary



288 of 388 municipalites
have less then 44.000
inhabitants

Practical, ready to use AM
tools are needed for most of
our governmental bodies!

Easy to understand
Easy to use
Facilitating discussion and
understanding
Basis for further implementation



Thank you for your attention



Or meet me at lunch

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Time to cooperate?

Jos Wessels MSc MBA

+31 651111449

Jos.Wessels@crow.nl

www.crow.nl / <https://www.iapro-portaal.nl/>

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