

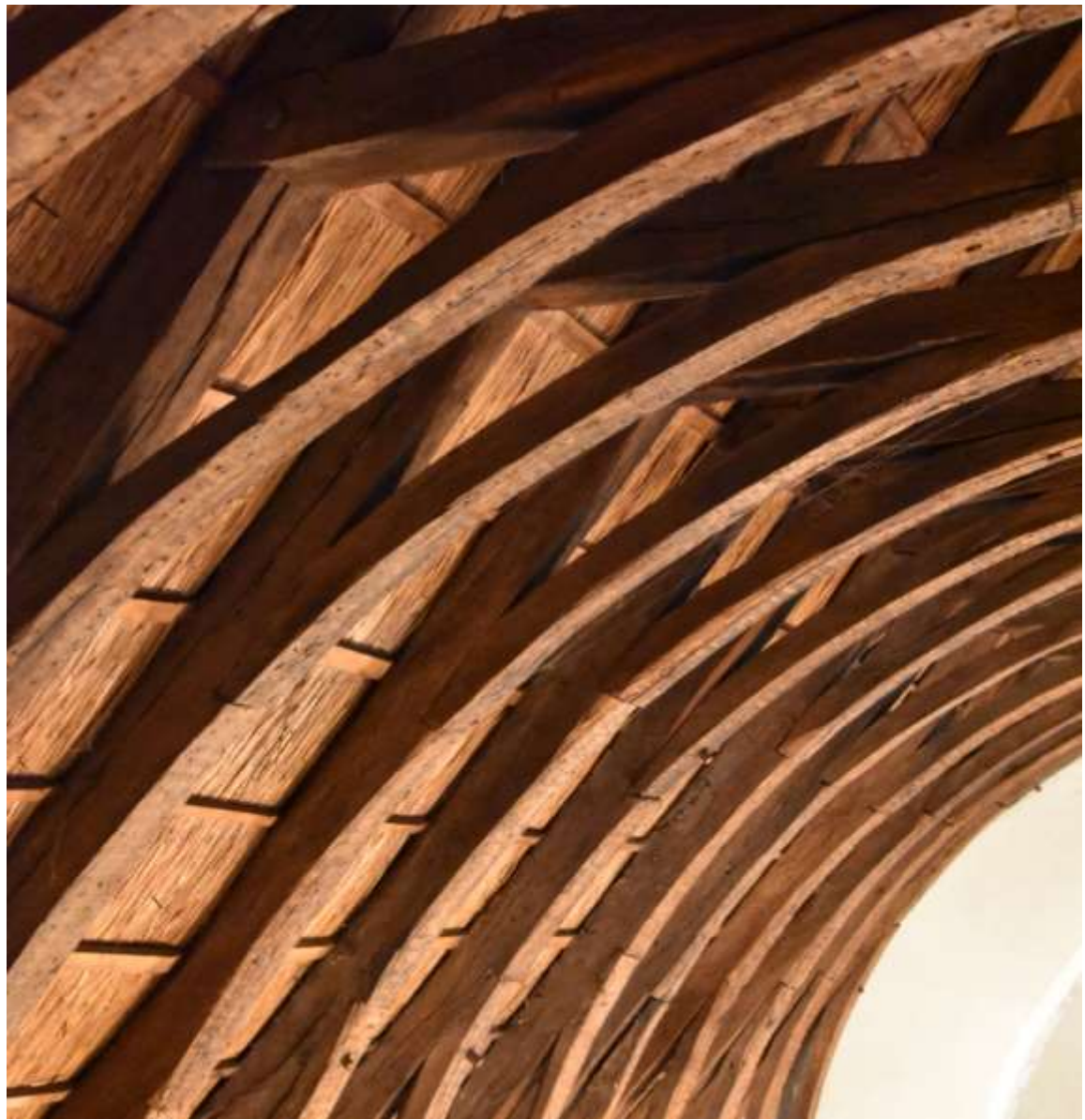


HERITAGE & ARCHITECTURE

UPDATE WP 4

Monumentenwacht North
Brabant

Silvia Naldini
Herdis Heinemann



Regular monitoring



Van iconische □ gewone panden

Vermeiden escalatie van schade

Inspecteurs monitoren en verrichten kleine werkzaamheden

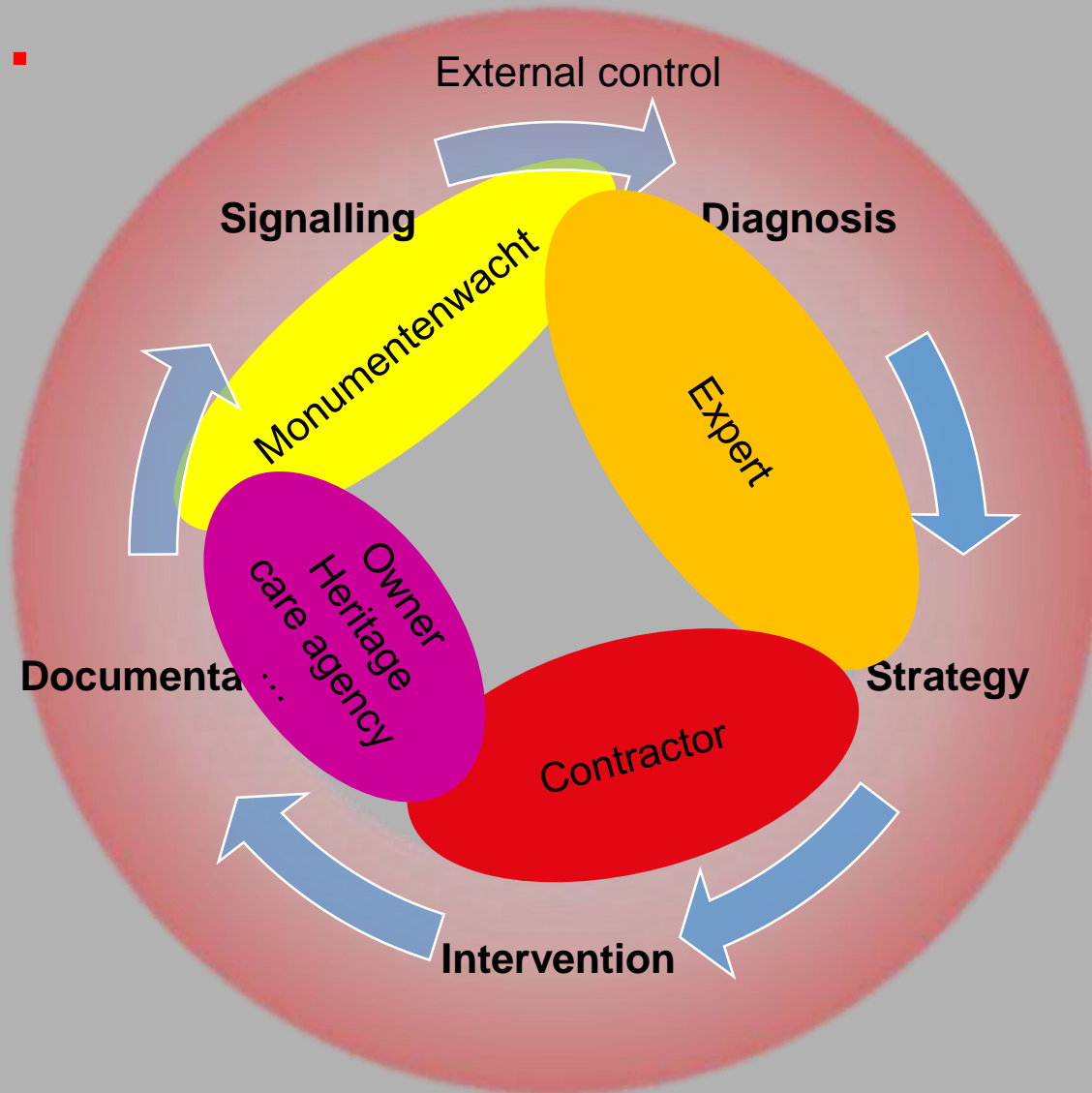
Eigenaar bepalend (betrokkenheid, geld

40 years of MW North Brabant A successful concept

- Good maintenance of monuments
- Independent from the market
- Continuous work
- Control of workmanship
- Less costs for repairs



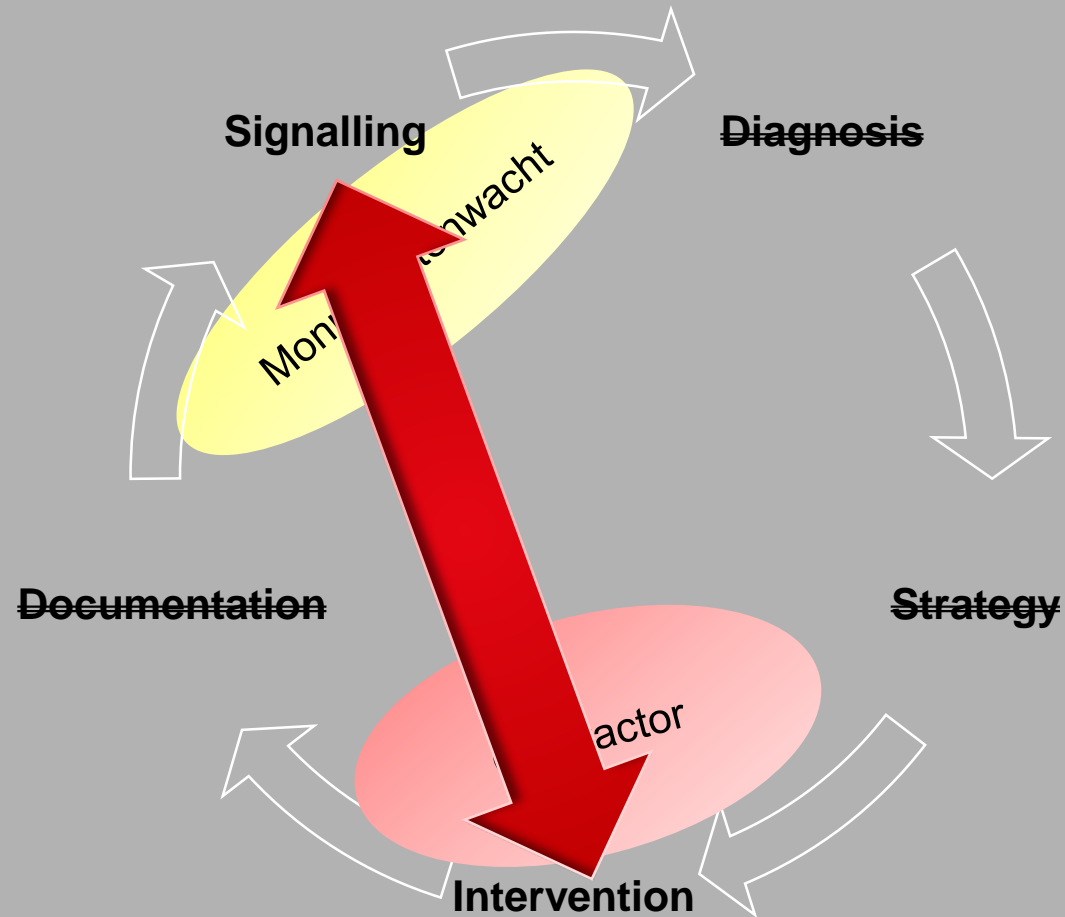
In theory...



In practice: case studies



Hypothesis based on cases...



Survey Members MW

Quantitative data

Abschnitt 1 von 41

Vragenlijst CHANGES - Monumentenwacht

Geachte abonnee van Monumentenwacht,

Voor het Europese onderzoeksproject CHANGES onderzoeken wij vanuit de TU Delft de rol van de Monumentenwacht in Noord-Brabant. Wij zouden graag van u willen weten wat u van de inspecties van Monumentenwacht verwacht, en hoe u de inspectierapporten verder gebruikt.

Dit helpt ons beter te begrijpen welke behoeftes eigenaren hebben m.b.t. inspecties en advies, en hoe keuzes in de praktijk worden gemaakt.

Het kost u slechts 10 minuten om deze enquête in te vullen en uw reacties zijn volledig anoniem. U kunt slechts eenmaal deelnemen aan de enquête, maar u kunt uw reacties bewerken totdat de enquête wordt afgesloten op 8 juni 2017. Vragen die zijn gemarkeerd met een sterretje (*) zijn verplicht.

Als u vragen heeft over de enquête, kunt u een email sturen naar: H.A.Heinemann@tudelft.nl

Wij stellen uw input zeer op prijs!
Namens het onderzoeksteam,

Herdis Heinemann
TU Delft, Faculteit Bouwkunde, Afdeling AE+T, Heritage & Technology www.changes-project.eu

Inspection and MW reports

- How are reports used?
- What is seen as the task of MW?

Reasons (not) to follow recommendations

Who's doing what?

- Works
- Additional investigations

Survey

General aspects

192 participants

122 Private owners (64%)

36 Religious institutions

15 Municipalities

18 Others

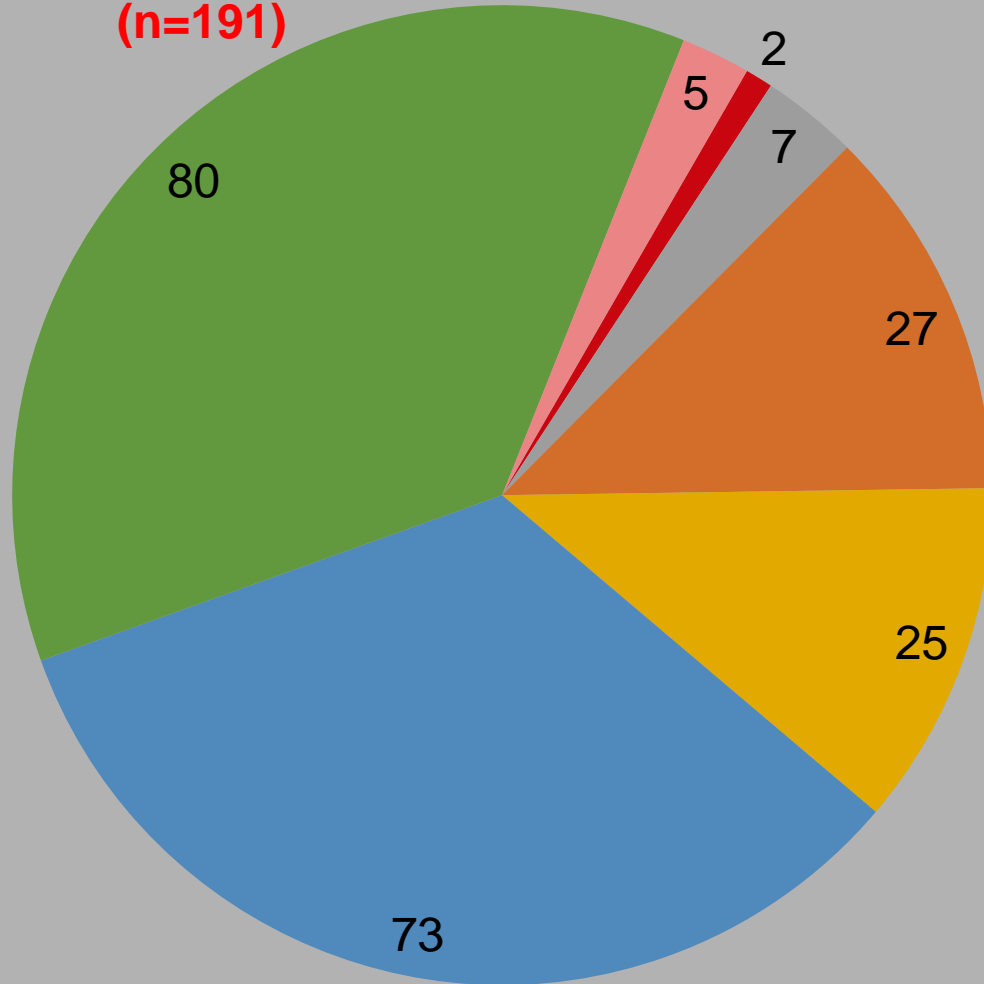
77% (147) National monument

87 privately owned

21% (39) Municipal monument

2% (4) not listed

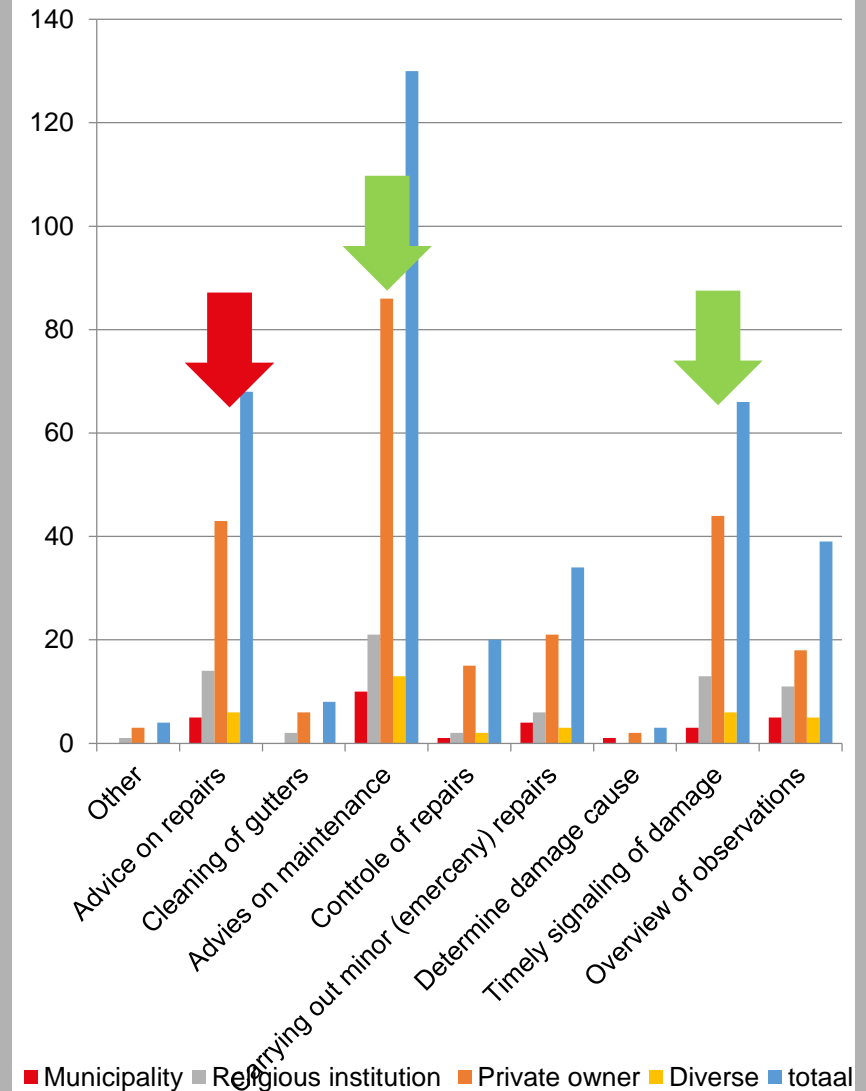
Use of MW reports (n=191)



- No further use
- Document for insurance company
- Apply for subsidies
- Negotiations with contractor
- Long range maintenance planning
- Guide for maintenance measures
- Other

Main task MW (view of members)

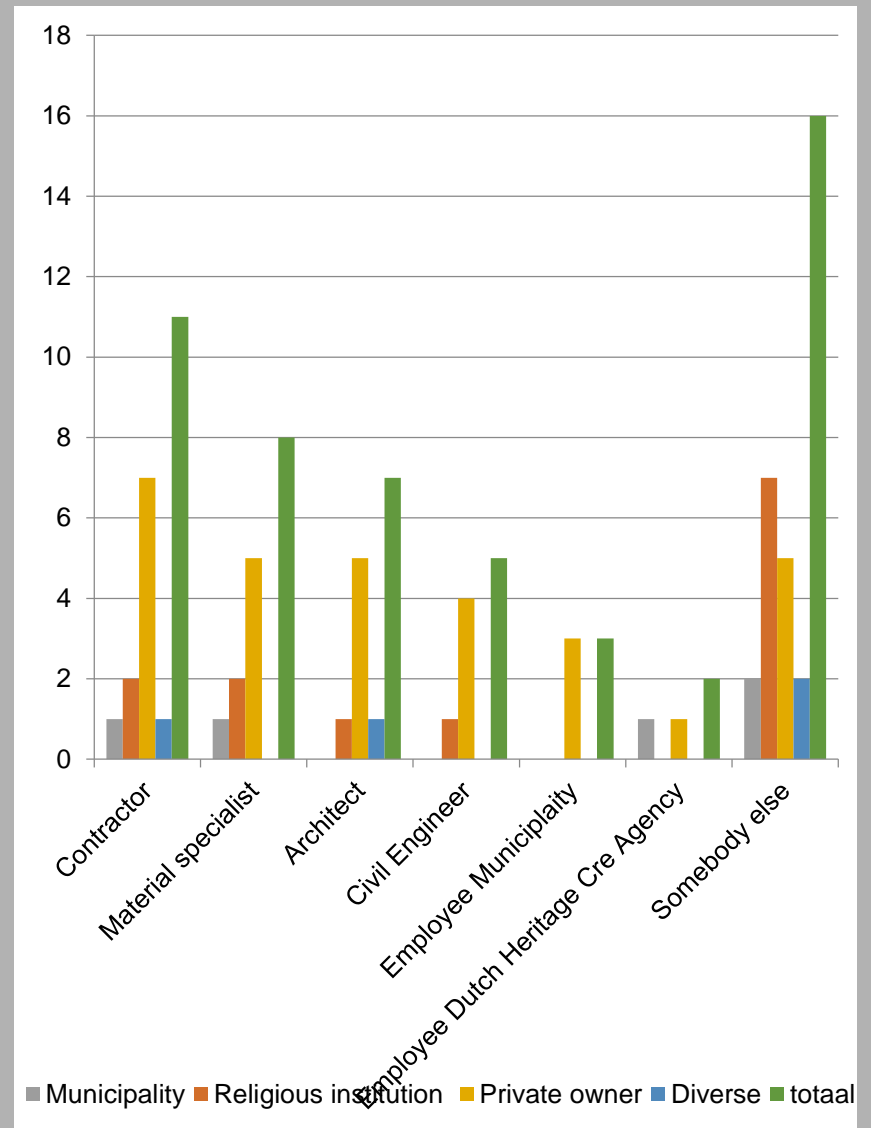
- Perceived tasks \neq theoretical tasks
- MW inspection = complete survey and advice



Further Investigation

Carried out by

- Contractor
- Understanding material specialist
incl. painters etc.



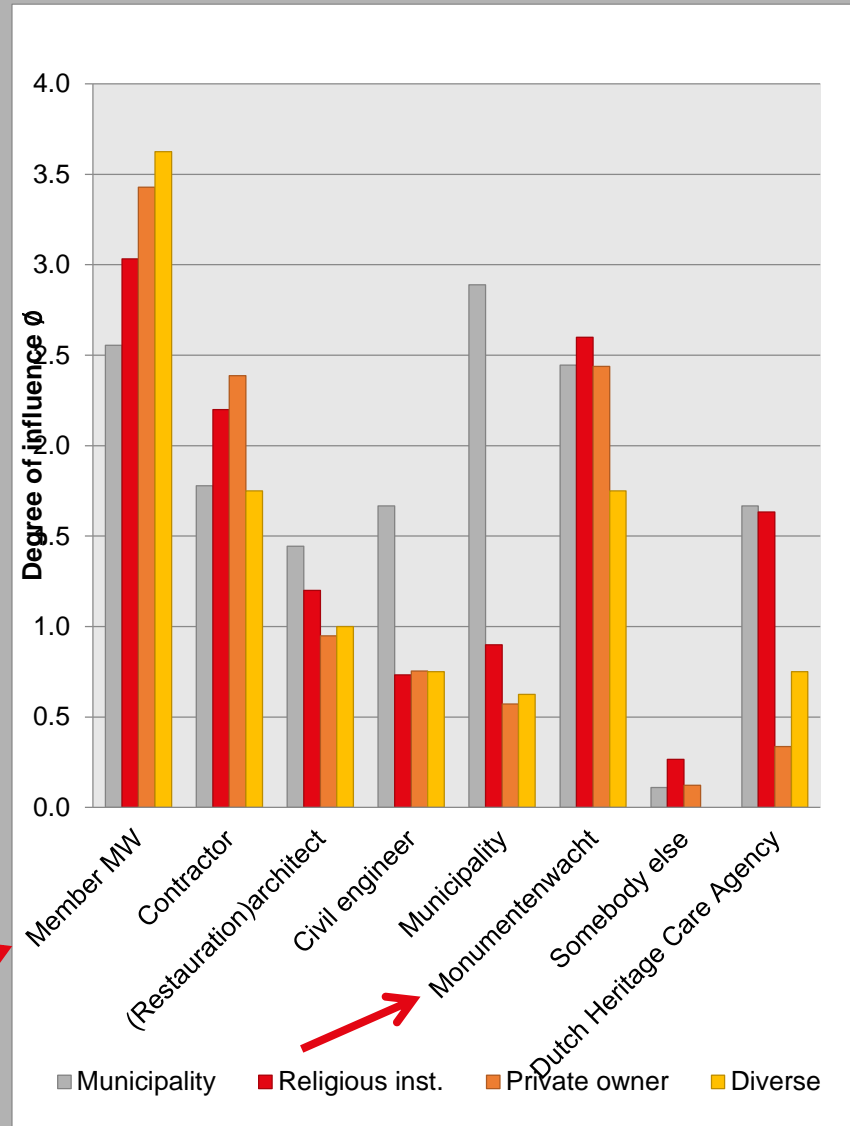
Choice of intervention

Main influence

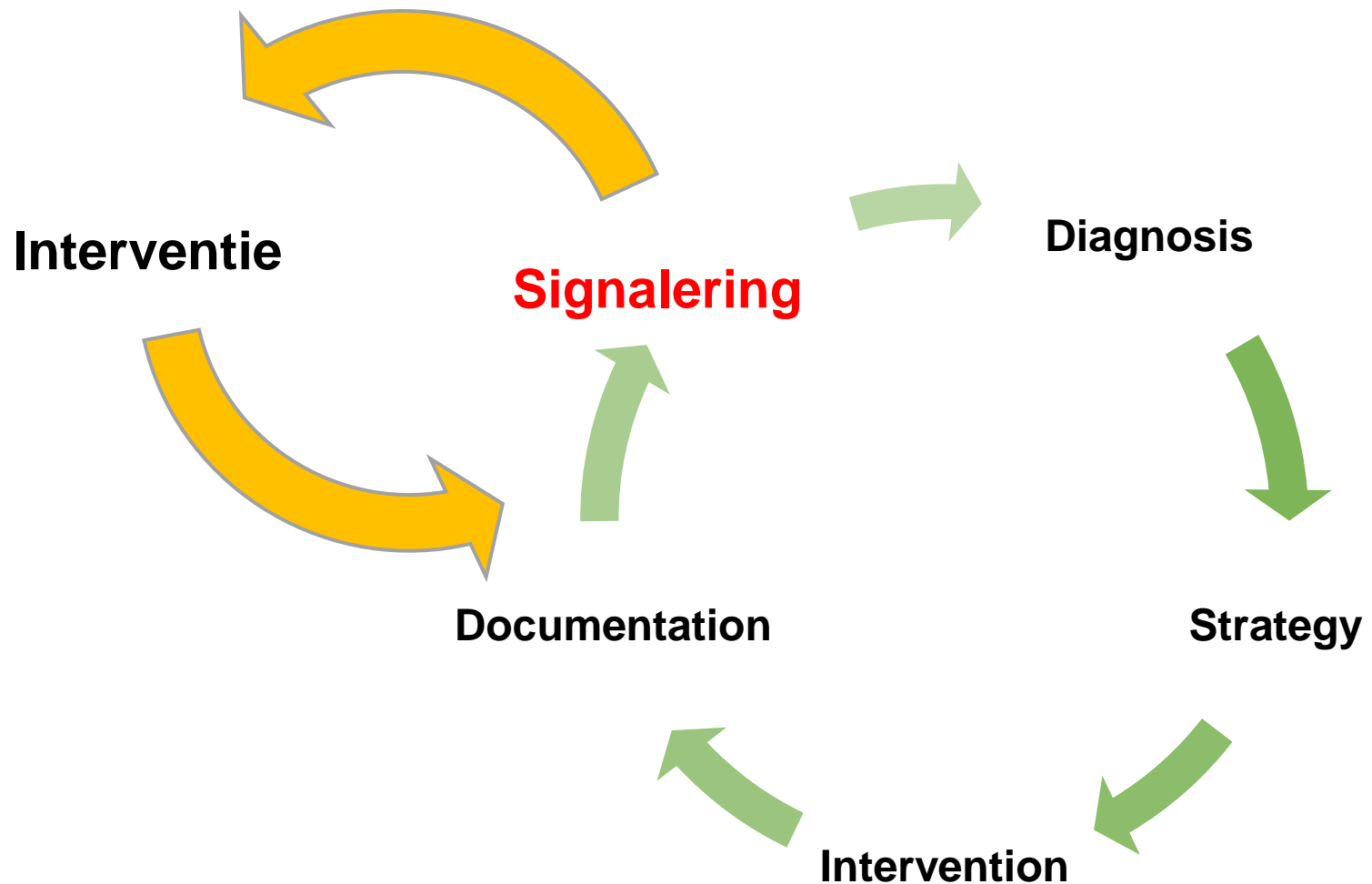
- Owner
- Monumentenwacht
- Contractor

“Traditional” keyplayers’ role decreased

- Heritage care agency
- Conservation specialists



Two cycles in the process



Conscious choice (i.e. *Subcycle*)?

Why

- MW report is considered sufficient
- Approach seems obvious (in their eyes)

Limited awareness of risks:

- Cause of damage / progression of damage
- Benefits of further investigations?

“Risk groups”

- Typology ?
- Material and construction technique
- Category of owner

**Example:
KVL factory Oisterwijk**

**Cause obvious yet
consequential damage
complex**



Example :

Boterkerkje, Oirschot

- Postponing intervention (owner)
- Complexity natural stone (MW)
- Culture historical values



Effectiveness subcycle



Evident situations

- Cause obvious (e.g. clogged gutter)
- Poor workmanship (e.g. lead connections)
- Expectable signs of ageing

Grey zone

- Ambiguous symptoms / correlation of symptoms
- Complex materials (e.g. natural stone)
- Seldom / modern materials
- Effect on culture historical values

Effectiveness subcycle

Conditions

- MW inspections <1-2 years
- Quick implementation works
- Trust
- Unified terminology

Awareness of

- Limitations MW
- Risks
- 'full cycle'



CHANGES within the MW system and in the Netherlands

- **Decentralisation Heritage Care (RCE - Cultural Heritage Agency)**
 - Less technical advice
- **Anamnesis & diagnosis (expert involved and laboratory) **not** self-evident**
- **MW does have regular context with owner / building**
 - Opportunity
- **GP also changes!**

MoWa Flanders

- cf. Reporting
- Presenting MDCS system

2 Reports

- One for Owners

Planning activities

- In NI 6 yrs plan subsidies

Further investigations/advice

- Institutes like
KIK/Laboratories
- Owner decides

Controls

- Immediate \leftrightarrow after 4 yrs

Interest for MDCS

Question: consequences of
changing (political) context ?

Workshop MW / MDCS

- Terminology damage & diagnosis
- Reference work
- Documentation
- Monitoring
- Bridge TU-practice

→ Further collaboration, involvement of owners
→ INFO



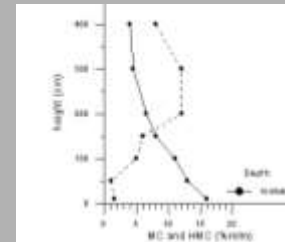
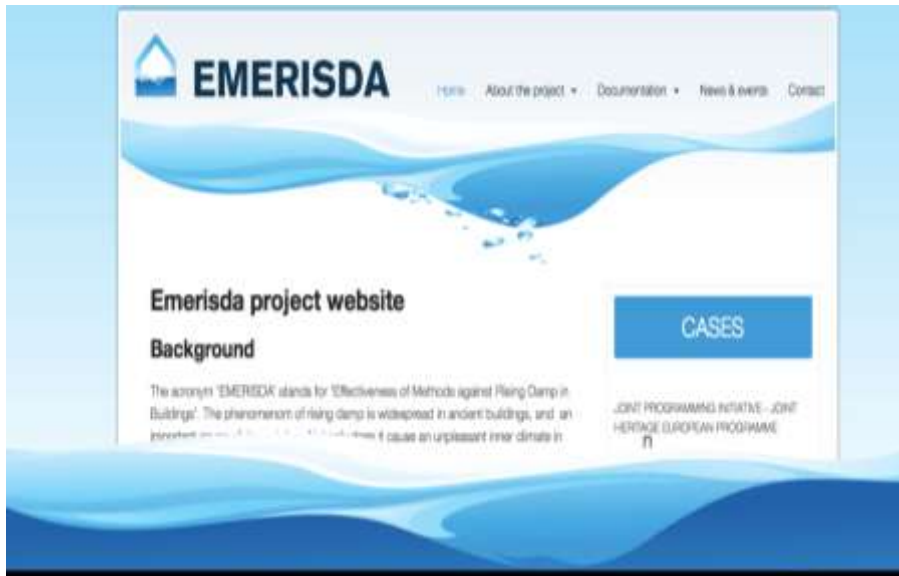
Information from research: evenings for inspectors and owners

Relevant items like:
Humidity/Rising damp or Salt
damage

Aim: awareness of necessity
of research

Encourage network owners

MDCS – Profiles



The MC decreases from the lower to the upper part of the wall. The HMC shows the highest values at the drying zone, where most hygroscopic salts accumulate. A high HMC is measured at the highest level, also because fractionation of the salt usually takes place in case of rising damp: the less soluble salts crystallize in the lower part of the wall, the most soluble, which are also the most hygroscopic, are transported to higher levels.

MW Gelderland

Interest for co-operation

- Information on research
- MDCS
- Participation in MW's 'clinics' for owners

Issue for Province: more specialized craftsmen needed!

Involve young people



© University of Technology - Four Living Labs help restore Gelderland's heritage

[Eindhoven.nl](#)

Restoring and converting heritage buildings is a complex process, but four Living Labs intend to change that. As part of the KaDEr project, the Faculty of Architecture and the Built Environment aims to formulate a new policy framework for the province of Gelderland – and possibly also for the rest of the Netherlands.

Owners

- Empowerment
- Awareness

Donatus insurance company

- Risk awareness
- Reconstruction costs

Brabant Culture chair,
Tilburg University

Article 'In Brabant'

Documentation on
interventions

port ook in een Engelstalige versie hebben gepubliceerd. Het is sindsdien in menig Europees land, en zelfs in de Verenigde Staten bij het bestuur van de staat New York, opgenomen in bibliotheken van cultuurministeries en overheidsdiensten van cultureel erfgoed.



Gedeputeerde Pieter-Sjoekels ontvangt het onderzoeksrapport Het Boisig van de Monumentenwacht (TMG/TU Delft) uit handen van Jacques Akerboom. (Foto: Monumentenwacht Noord-Brabant)

Co-operation with MW and Gouvernement / Provinces

Maintenance of empty
churches etc.: MW and
volunteers - schooling

Groningen: gas extraction
induced earthquakes

Province:

- Re-use: inspections MW
in contract
- Controls funded activities
- Subsidies investigations

Possibility and changes

**GP as part of a good
quality health system**

**Owners: awareness and
participation**

**Information sessions
Documentation**

Laboratories

**Permanent co-operation &
exchange of info TU-MW:
Practice ↔ theory**