Protecting Tenants in Social Housing Against Heat Transition Imaging and Pathway Making for Climate Adaptation in Dutch Housing Associations

Lianna van Gils Ad Straub Zac Taylor







Short overview of literature

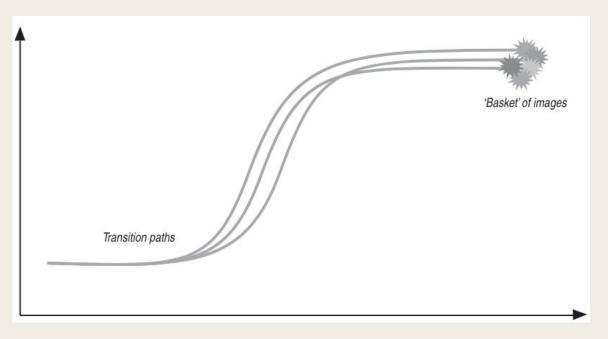


Problem statement

It is unclear where we stand in the battle against heat in social housing and what this transition should look like.

MRQ: How can Dutch housing associations be instigated to improve policies and strategies on heat adaptation?

Transition Management Tools



Research questions:

like?

adapted?

What should a transition

image for the transition to

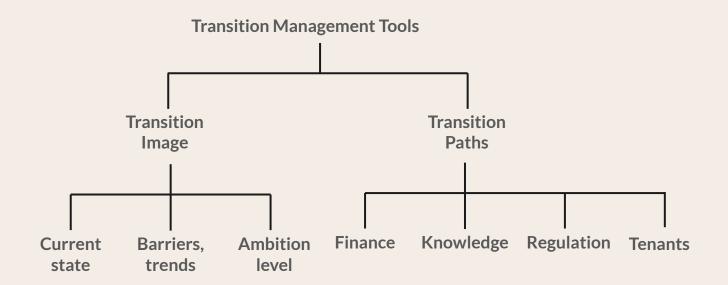
heat-adapted dwellings look

How can transition pathways

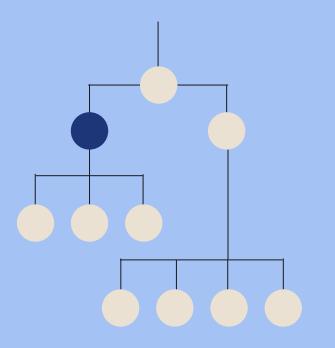
associations becoming heat

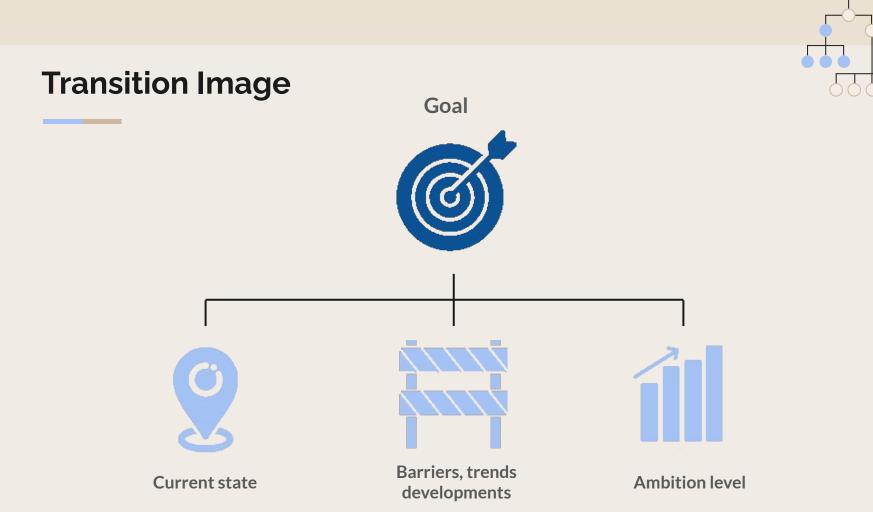
be composed of housing

Presentation Structure

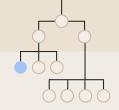


Transition Image

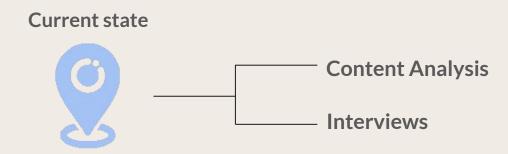




Current State



RQ: What is the current state of awareness and adaptation to heat stress among Dutch housing associations?



Content Analysis

Annual reports



Policy plans



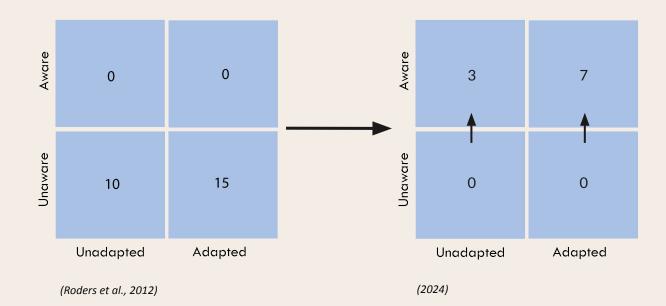
SOR verbindt mensen voor een duurzame toekomst

Performance Agreements

Rotterdamse Prestatieafspraken 2024 - 2025



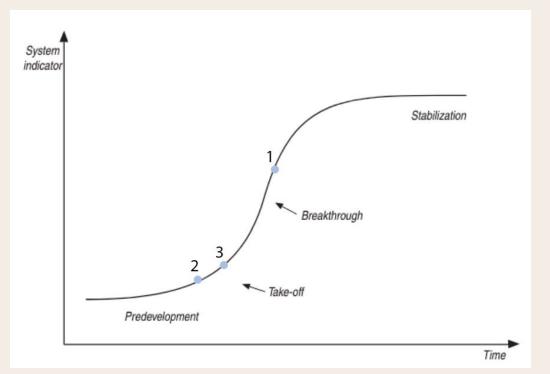
Content Analysis - Results

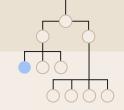


Interviews System indicator Stabilization Breakthrough Take-off Predevelopment

Transition images and paths (Loorbach, 2007)

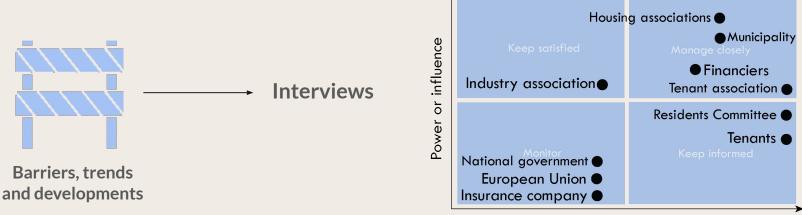
Time



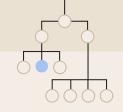


Barriers, Trends, Developments

SQ: What barriers prevent Dutch housing associations from adapting to heat stress and what opportunities are there?



Level of interest





Finance







Regulation



Tenants



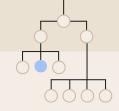
Finance

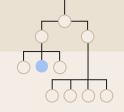
Remarkable:

- Biggest barrier is finance (Not a priority)
- Subsidies from municipality

Conflicting:

- Applicability of the subsidies
- Public banks' financing







Remarkable:

- Not enough convenient and consistent calculation methods available
- Information on vulnerability of surroundings, buildings and tenants available
- Insulation, sun shades and ventilation

Conflicting:

- TO-Juli convenient but keeps changing and made for energy transition



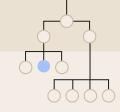
Regulation

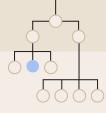
Remarkable:

- Lack of regulation \rightarrow Not a priority
- Performance Agreements good incentive
- HA want benchmarks
- Protected cityscape
- EU Taxonomy not relevant

Conflicting:

- Performance Agreements too general to make a difference





Remarkable:

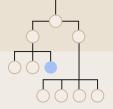
- Tenant behaviour can make 7 degrees difference
- Multicultural background is opportunity
- Frustration tenants side

Tenants

Conflicting:

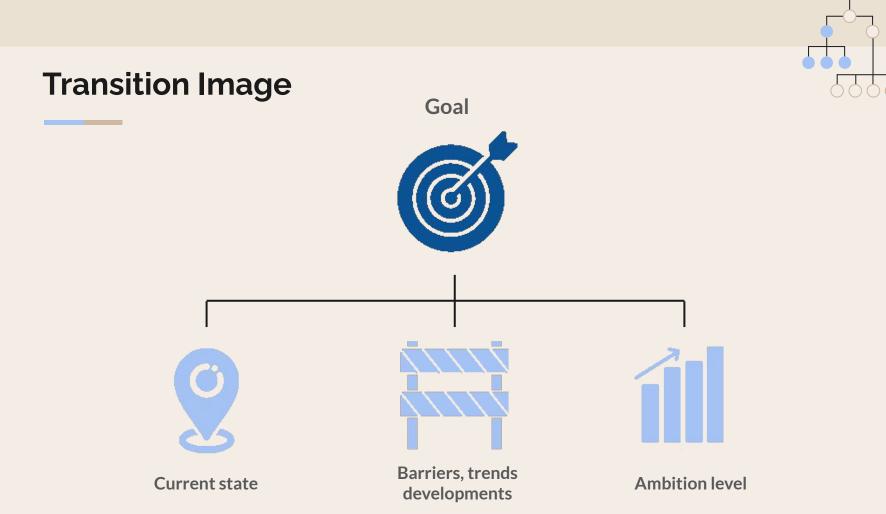
- Measures VS. Tenant behaviour

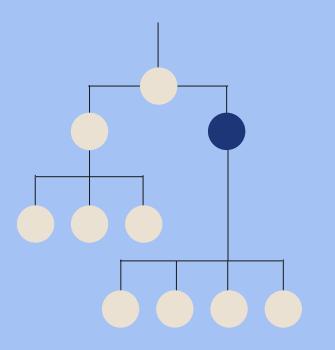
Ambition Level



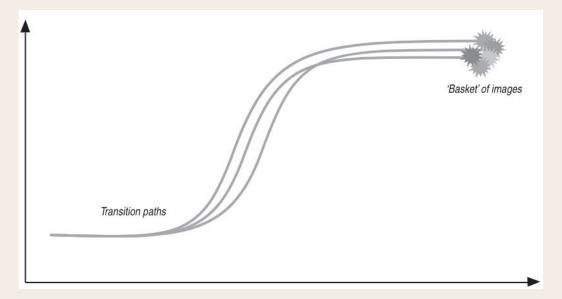


Ambition level

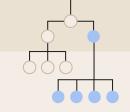


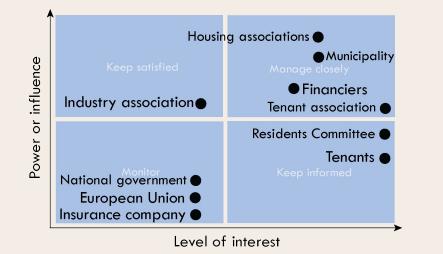


- Description of changes to achieve target
- Indication of which changes should take place when
- Ideas on how these changes should take place and with whom
- Short- and long-term goals



Transition images and paths (Loorbach, 2007)







Transition Paths - Finance

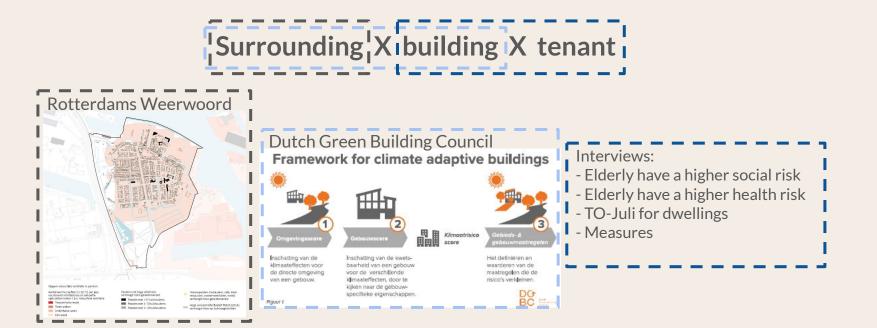


Finance

- Subsidies align with project planning
- Banks' financing
 - Municipality as mediator
- Co-opting solutions

Transition Paths - Knowledge

- Bring knowledge together



Transition Paths - Regulation

- Performance Agreements

- National
- Local
- Benchmarks

Climate adaptation: Heat stress

26. De gemeente werkt met partners uit het fysieke en het sociale domein aan een hitte-aanpak met speciale aandacht voor zelfstandig wonende ouderen.

De gemeente maakt een lokaal hitteplan en zal jaarlijks de uitvoering evalueren en actualiseren. In de periode 2024-2026 stelt de gemeente subsidie beschikbaar voor fysieke maatregelen die bijdragen aan klimaatadaptatie, waaronder maatregelen voor vastgoed tegen hitte.

 De gemeente en de corporaties onderzoeken gezamenlijk de haalbaarheid van het instellen van een hittenorm op basis van specifieke data.

Deze data is afkomstig uit VABI, datasoftware op het gebied van vastgoed en duurzaamheid, en richt zich specifiek op de beoordeling van 'thermische overlast' (TO) in juli. Volgens de stichting W/E adviseurs wordt hierbij een waarde aangehouden van hoger dan 4,8.

 Corporaties onderzoeken welke woongebouwen en ontmoetingsruimtes meeste kans op oververhitting hebben en stellen vast of er risicocomplexen zijn.

Corporaties onderzoeken of ze in een aantal seniorencomplexen zonwering aan kunnen brengen of andere gepaste maatregelen kunnen treffen. Als dit tot uitvoering komt, kan gebruik gemaakt

Transition Paths - Tenants

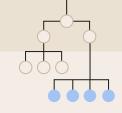


- Being proactive -
- Social property manager -
- Cool spaces -
- Cultural knowledge _

Tenants

Short-vs. long-term goals





Presentation Heat Session

Presentation Heat Session

Objective: Receive confirmations and feedback on findings

- Agreed
- Financial part important
- Responsibility of architect



Positioning in the broader Context

Positioning in the broader Context

- Current state of HA
- Transition Management Tools
- Stakeholders

Conclusions

- Government
- Municipality
- Housing associations
- Aedes



Are there any questions?