A home is for life, not just for dependency

Menno Hinkema, TNO

HOMES4LIFE

Certification for Ageing in Place

This project has received funding from the Horizon 2020 Programme under Grant Agreement n°826295

WHO WE ARE

Homes4Life

tecnalia Inspiring Business

UNIVERSITÀ POLITECNICA DELLE MARCHE

ECTP INNOVATIVE BUIL ENVIRONMENT

AGE Platform Europe

TNO

Universiteit Utrecht

CertiVeA

R2M RESEARCH TO MARKET SOLUTION

EUROCARERS EUROPEAN ASSOCIATION WORKING FOR CARERS

- Two-year project, started in December 2018
- EU-funding under *SC1-HCC-01-2018: Supporting investment in smart living environments for ageing well through certification*
- 9 partners, 5 countries

CONTENTS

- What seems to be the problem?
- What are we trying to do about it?
- How can you get involved?

WHAT SEEMS TO BE THE PROBLEM?

Ageing in place....

For every socio-demographic challenge

Safe and comfortable ageing in place for vulnerable citizens?

Current European housing stock is not fit for purpose....

10.000.000

Dat is veel!

Adapted/adaptable homes required in the coming years

MAIN PHENOMENON

12
1
2
3
4
5
6
7
8
9
10
11

Investment

=

Late

Reluctant

UNDERLYING ISSUES

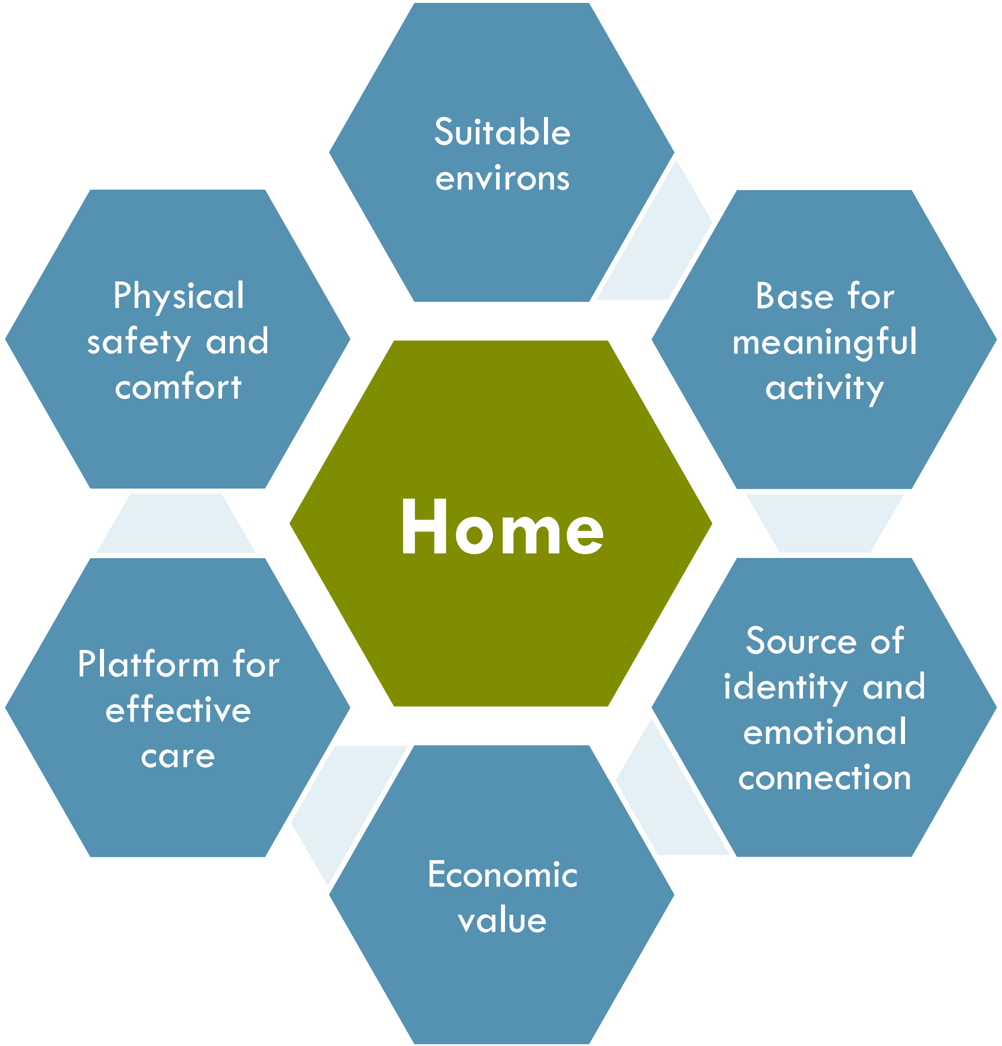
One-dimensional view

Home

=

Physical safety and comfort

UNDERLYING ISSUES



Home

Suitable environs

Base for meaningful activity

Source of identity and emotional connection

Economic value

Platform for effective care

Physical safety and comfort

UNDERLYING ISSUES

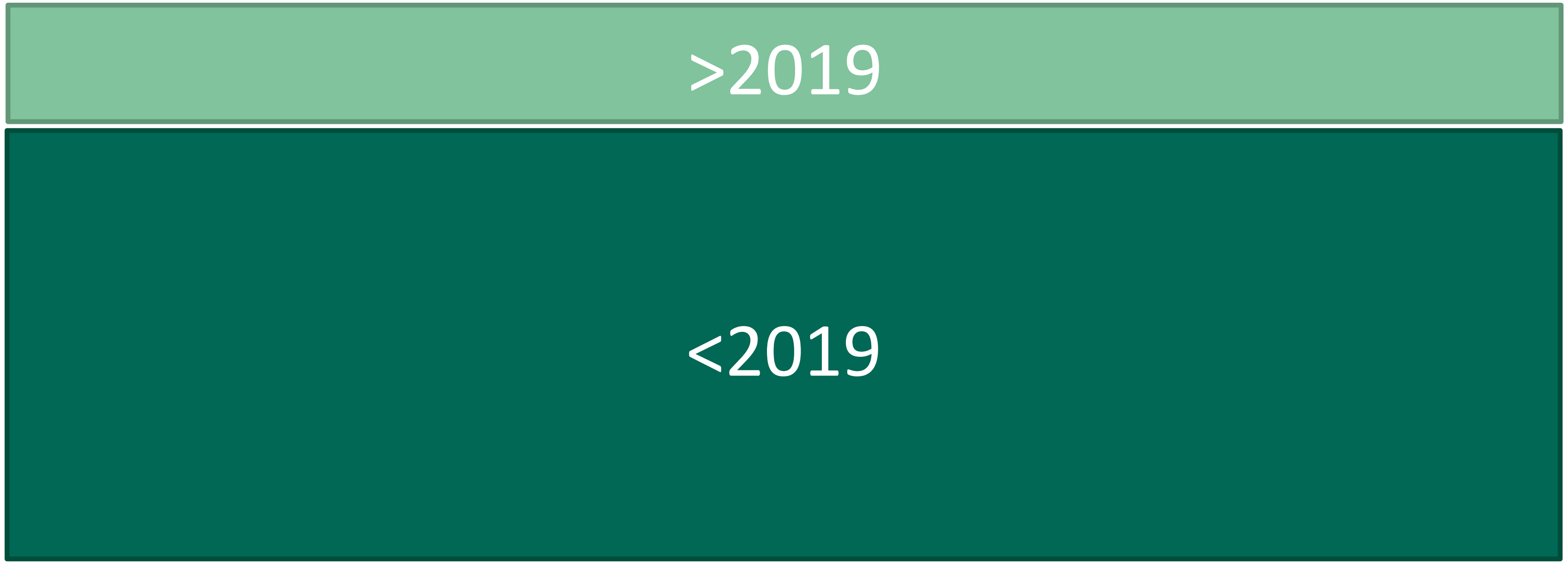
- Perspectives
  - Users
    - Healthy
    - Health challenges
  - Family and carers
    - Partners
    - Others
  - Organisations
    - For-profit
    - Not for-profit

UNDERLYING ISSUES

Focus on high-complexity healthcare

UNDERLYING ISSUES

Focus on new build projects



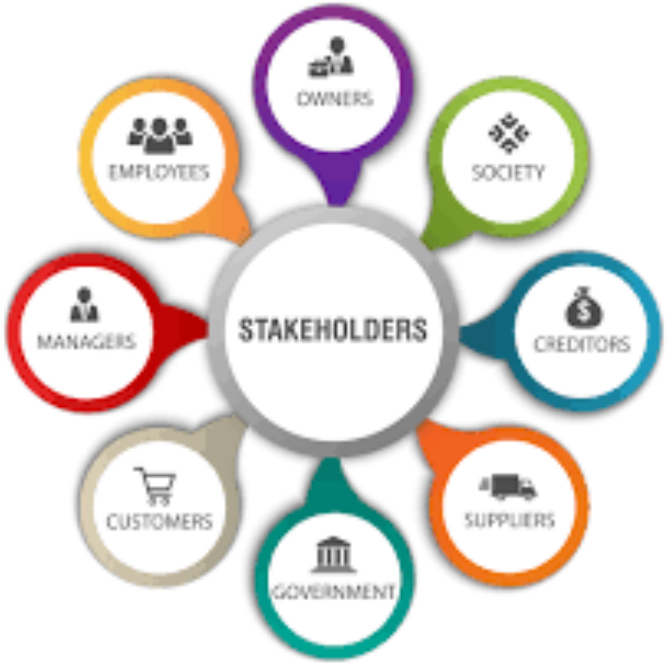
>2019

<2019

2050 housing stock composition

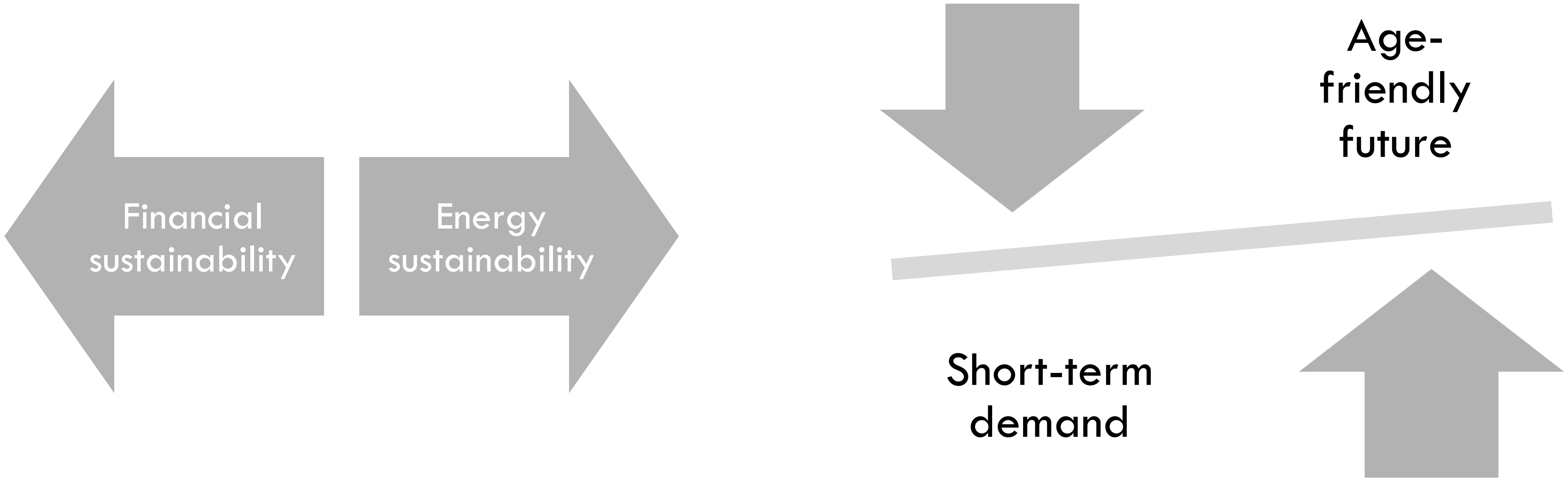
UNDERLYING ISSUES

Opaque business cases


STAKEHOLDERS
OWNERS
SOCIETY
CREDITORS
SUPPLIERS
GOVERNMENT
CUSTOMERS
MANAGERS
EMPLOYEES

UNDERLYING ISSUES

Conflicting priorities



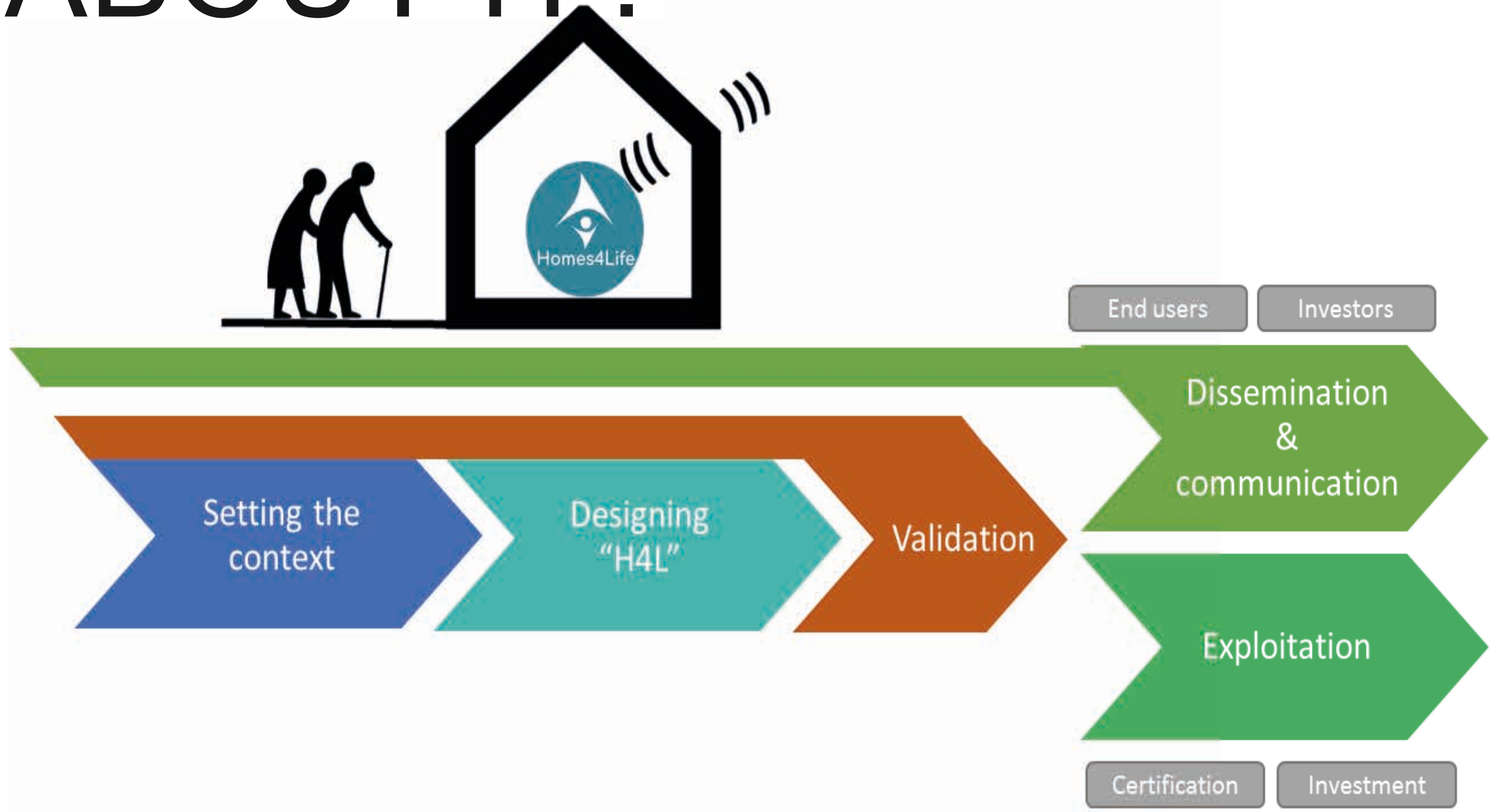
Financial sustainability

Energy sustainability

Age-friendly future

Short-term demand

WHAT ARE WE DOING ABOUT IT?


Homes4Life
End users
Investors
Setting the context
Designing "H4L"
Validation
Dissemination & communication
Exploitation
Certification
Investment

HOMES4LIFE PRINCIPLES

Flexible

Holistic lifecourse approach

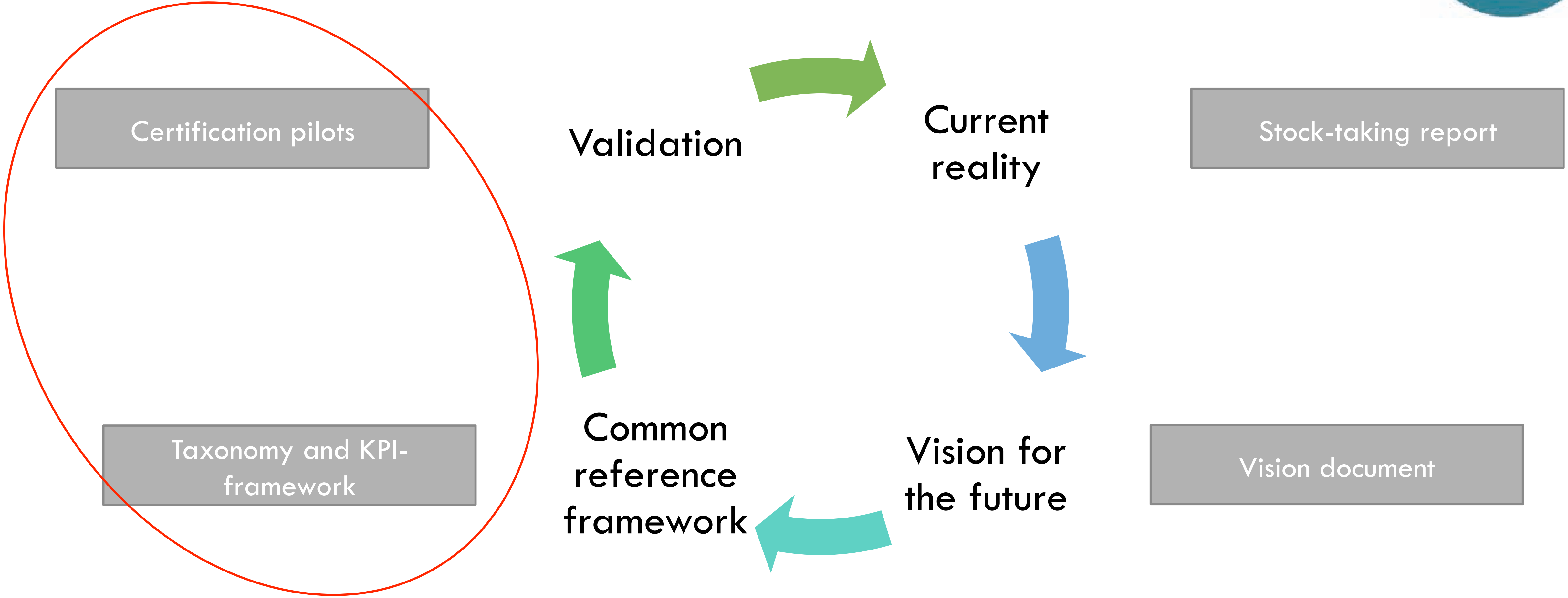
User-needs driven

Value-oriented

Co-creative

Re-thinking “Smart” and “Integrated”

HOMES4LIFE DEVELOPMENT APPROACH



Certification pilots

Validation

Current reality

Stock-taking report

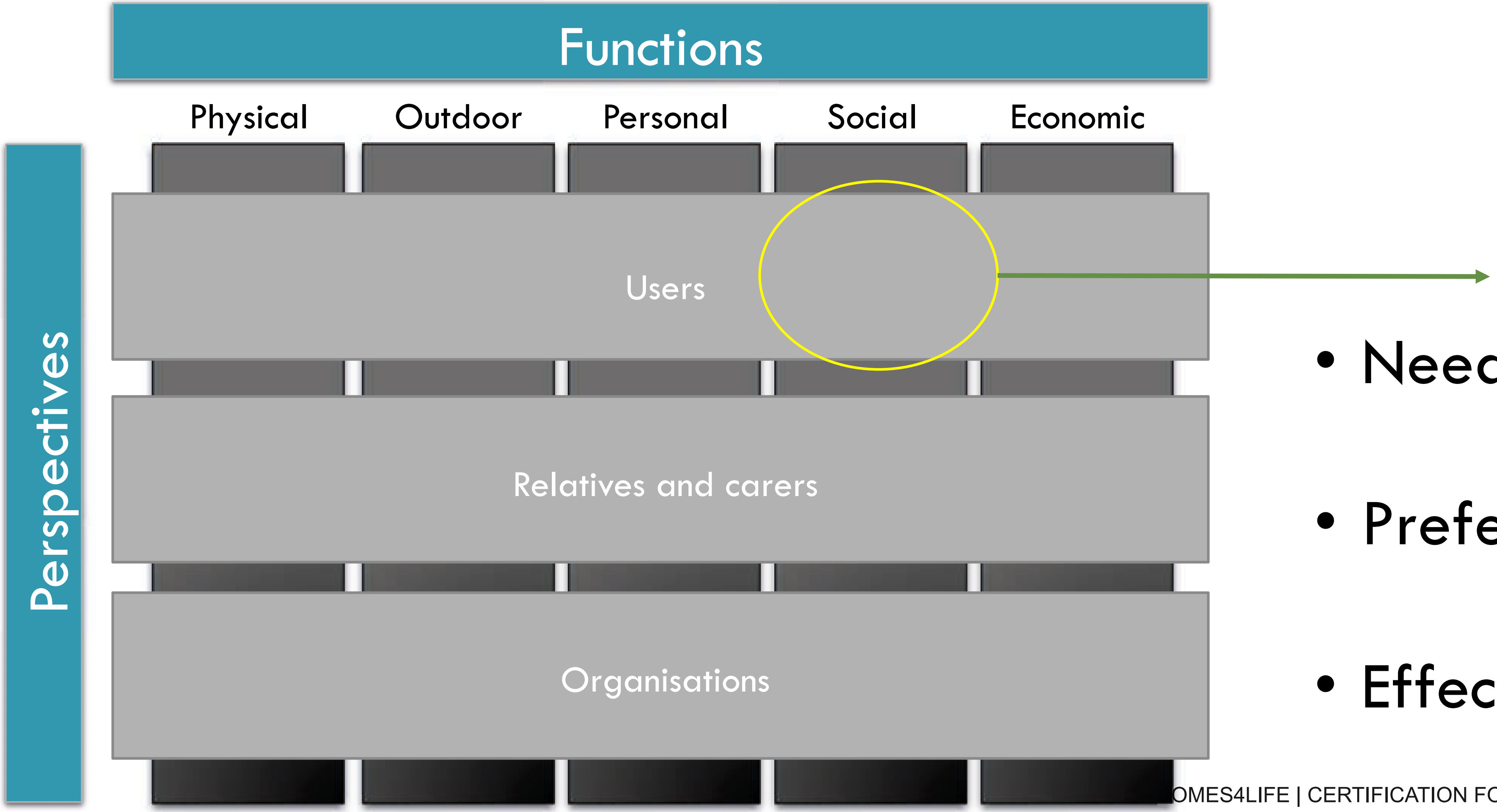
Vision for the future

Vision document

Common reference framework

Taxonomy and KPI-framework

TAXONOMY



Functions

Physical
Outdoor
Personal
Social
Economic

Perspectives

Users
Relatives and carers
Organisations

- Needs
- Preferences
- Effects

KPI-FRAMEWORK

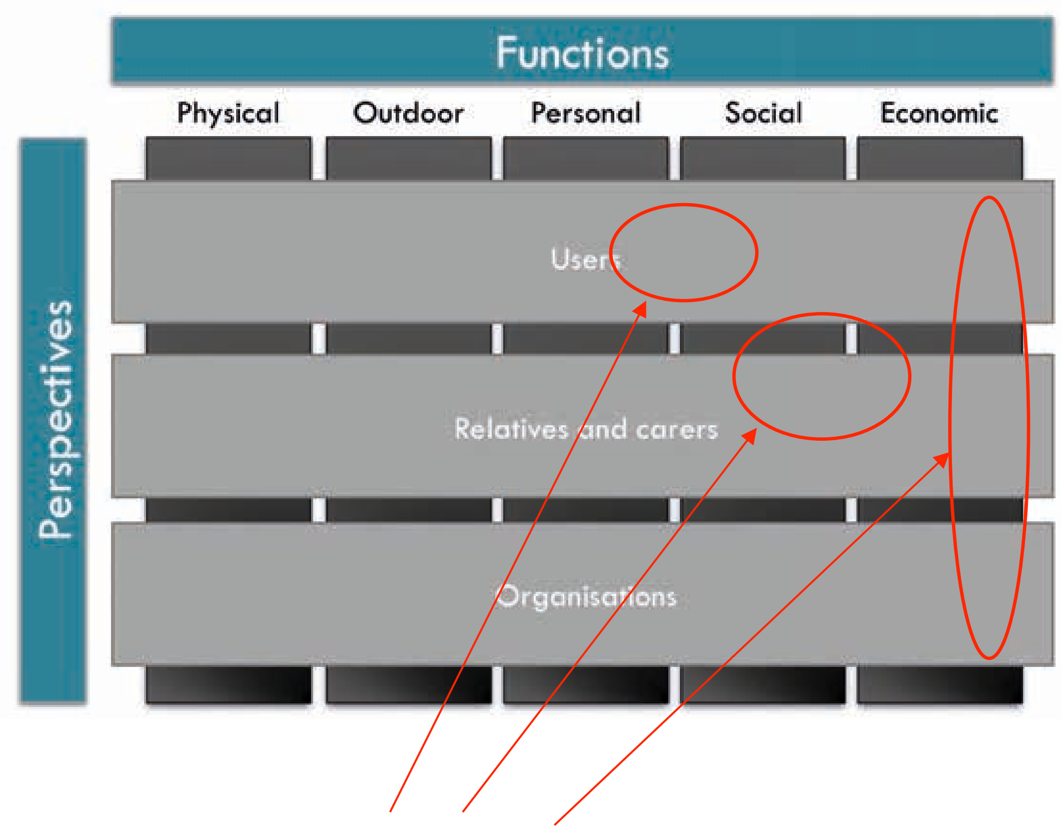
Physical Outdoor

- Selection and adaptation of material from existing certification schemes
  - Focus on clustering, customization and flexibility

Personal Social Economic

- Literature search
  - Research literature
  - Guidelines
  - Advocacy
  - Policy
- Stakeholder involvement

FROM TAXONOMY TO CERTIFICATION


Functions
Physical
Outdoor
Personal
Social
Economic
Perspectives
Users
Relatives and carers
Organisations

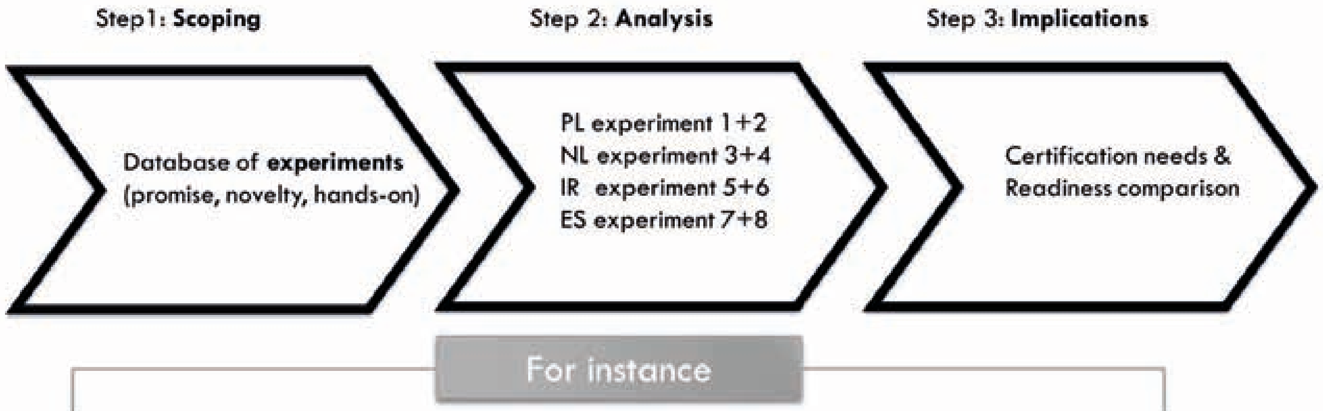
“Hot spots” and “hot zones”

Certification pilots

- Use-case based
- Active involvement of stakeholders
- Specific focus in terms of functions and perspectives
- Local implementation perspective
- Actual projects
- Focus on feasibility, acceptance and utility

SELECTION OF PILOTS

Homes4Life



Step1: **Scoping**

Step 2: **Analysis**

Step 3: **Implications**

Database of **experiments**
(promise, novelty, hands-on)

PL experiment 1+2
NL experiment 3+4
IR experiment 5+6
ES experiment 7+8

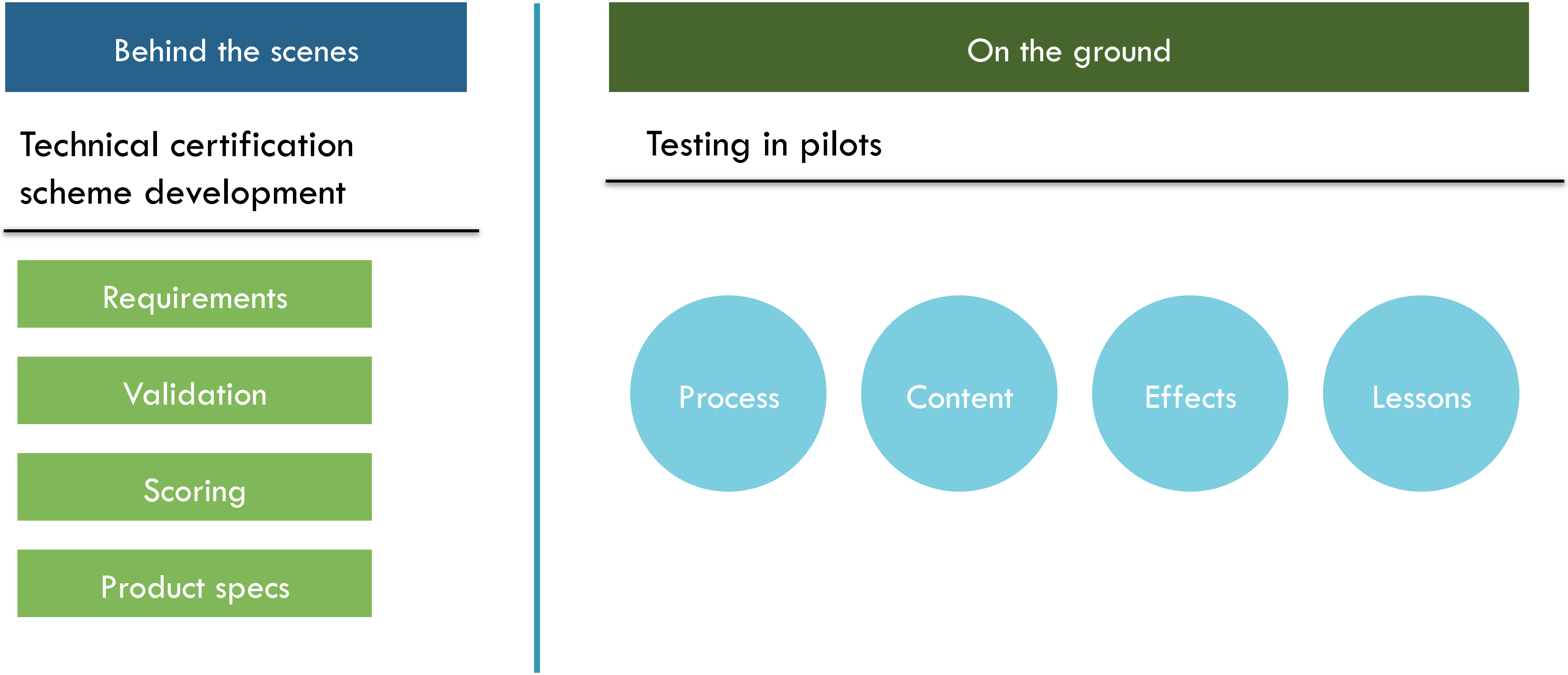
Certification needs &
Readiness comparison

For instance

U SIEBIE
MIMO
WIEKU

KNARRENHOF

OUR SECOND YEAR



Behind the scenes

Technical certification scheme development

- Requirements
- Validation
- Scoring
- Product specs

On the ground

Testing in pilots

- Process
- Content
- Effects
- Lessons

WHAT DO WE HOPE TO ACHIEVE?

Requirements for tendering

Business case input for property developers

Actioning citizens' perspectives on homes and housing

Assessment info for home-based care delivery models

H4L Certification

Supporting self-organisation and grass-roots initiatives

Decision support for urban and rural planning

Support public housing portfolio strategy

Contribute to social and demographic resilience of the housing stock

HOW CAN YOU GET INVOLVED?

- Join our **Homes4Life Community of Interest** http://www.homes4life.eu/community-of-interest/
- Contribute to Homes4Life taxonomy
- Get involved in technical certification scheme development
- Suggest pilots for testing

SOME QUESTIONS TO YOU

- Do you recognize the problems in current approaches? What are we missing?
- What are your experiences in age-friendly housing? What should we know about them?
- What is essential to make certification a useful tool? Which pitfalls should we avoid?
- How can we make it easy and interesting for you to engage with us?

CONTACT

Menno Hinkema | menno.hinkema@tno.nl

Silvia Urra Uriarte | silvia.urra@tecnalia.com

www.homes4life.eu

@Homes4LifeH2020