

EBC and National Research Priorities in the Netherlands

Daniël van Rijn
EBC Executive Member for the Netherlands
Netherlands Enterprise Agency

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The Netherlands

41,543 km²
17,5 million inhabitants
moderate maritime climate
built environment, mostly suburban



Built environment

7,9 mill. houses
460 mill m2 utility buildings
Most houses built after 1950

About 40% rowhouses

90% individual heating systems with natural gas
Enormous variety in energy performance...

Shortage of new houses



Dutch Climate Agreement

Dutch Climate Agreement
Over 100 organisations involved to set agenda for policies to reduce CO2 emissions

- 2030: 1,5 million houses more sustainable and free of natural gas
- 2050: Sustainable Built environment. Well insulated and free of natural gas

Approach

- New buildings: BENG (used to be EPC), related to EPBD
- Existing buildings and neighbourhoods:
 - Neighbourhood-oriented approach: *Program for neighbourhoods free of natural gas*
 - Starter motor for the rental sector
 - Other instruments (a.o. non residential buildings)
- Innovation: Mission Built Environment

Mission Built environment

- Multi-year Mission-Driven Innovation Programmes (MMIPs)
...Relations with IEA-EBC and other IEA TCP's...

Mission Built Environment	MMIP 2	Renewable electricity generation on land and in the built environment
	MMIP 3	Acceleration of energy renovations in the built environment
	MMIP 4	Sustainable heat and cold in the built environment
	MMIP 5	Electrification of the energy system in the environment

Mission Built environment

Industrial research en experimental development:

- 2019: tender MMIP ¼
- 2020: tender MOOI, theme Built environment
- 2020: tender Urban Energy

Pilots and demonstrations:

- 2019: DEI+ free of natural gas
- 2020: DEI+ free of natural gas



Mission Built environment and EBC



Thank you

