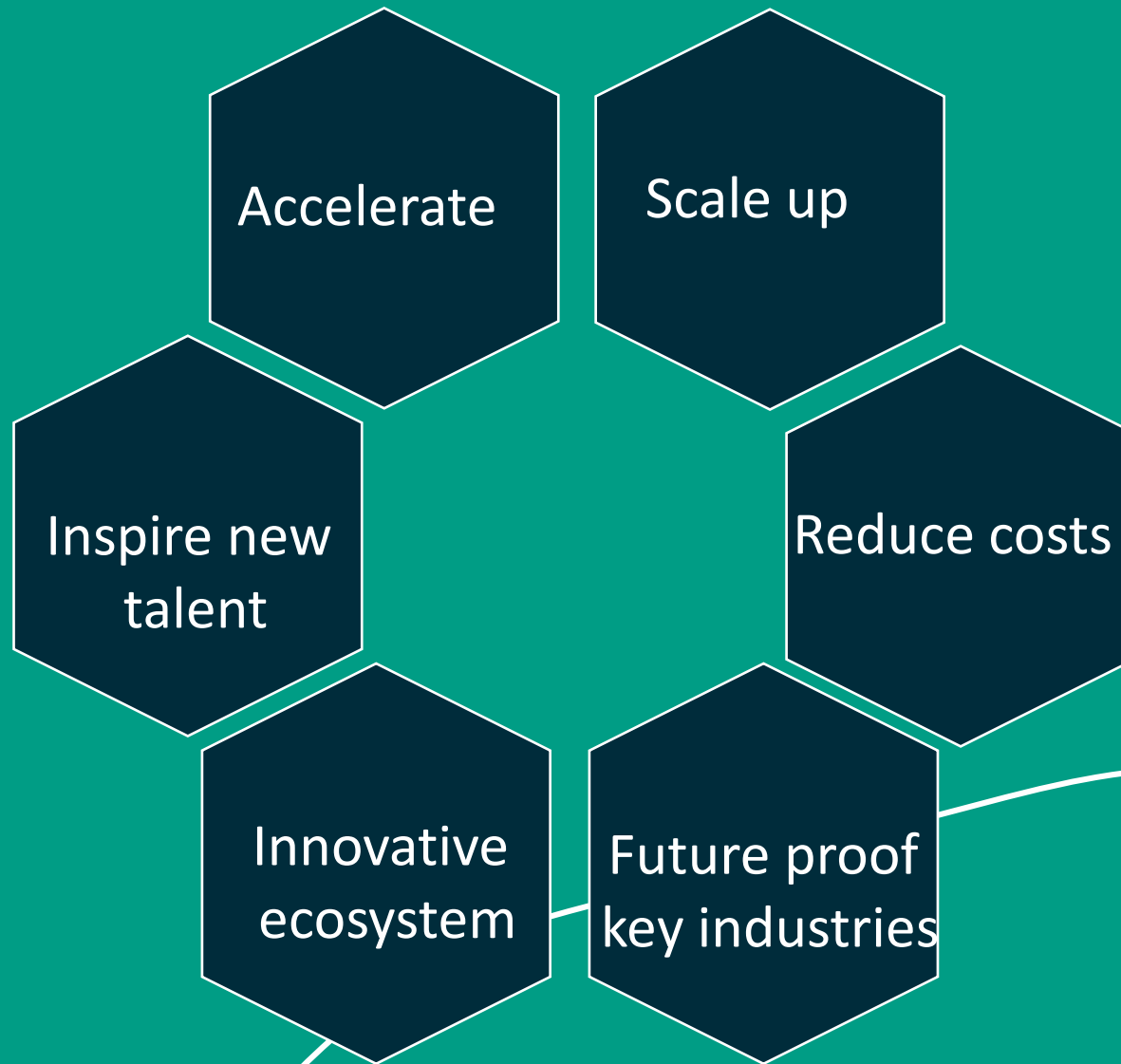


- Large offshore potential
 - Strong knowledge basis from being a gas hub
 - Access to salt caverns for large-scale storage
 - Ports for import terminals
 - Export to Antwerp
 - High-tech suppliers
 - Existing gas infrastructure can be re-used
 - Export to Ruhrgebiet
 - Strong industry clusters
- 
- NL green H₂ potential**

1. **Fight climate change**
achieve net-zero in 2050 by reducing greenhouse emissions in non-electrifiable applications using green H₂
2. **Boost earnings power**
become a significant international player in the green H₂ & chemistry economy, unlocking potential of NL high-tech sector
3. **Retain key industries**
within the Netherlands by facilitating their transition to net-zero in a sustainable way using green H₂ & chemistry
4. **Improve business climate and energy security**
by creating national green H₂ production capacity in parallel with import infrastructure

Ambition of GroenvermogenNL



GroenvermogenNL instruments

50 M€

- National human capital agenda



Human capital

- Regional learning communities
- Digital platform
- National coordination



R&D

1. Making carbon neutral H₂ (35 m€)
2. Transport & storage of H₂ (27 m€)
3. Direct use of H₂ (27 m€)
4. Green H₂ & e⁻ for C-based chemistry (35 m€)
5. Green H₂ & e⁻ for N-based chemistry (20 m€)
6. Green H₂ & e⁻ for specialties (20 m€)
7. Socio-economic aspects & H₂ implementation (12 m€)

177 M€



Pilot support & demonstration

Projects throughout the value chains of production, transport, storage and industrial use of green hydrogen (carriers).

- 3-5 projects in H₂ value chain
- Small scale demonstration
- Regional testing facilities

100 M€



Upscaling

Support for the manufacturing industry
 Demonstrating value chain projects
 Feed/feasibility studies
 Potential endurance testing facility

500 M€

Special projects: HyXchange (trading platform)
 Measuring Hydrogen leakage

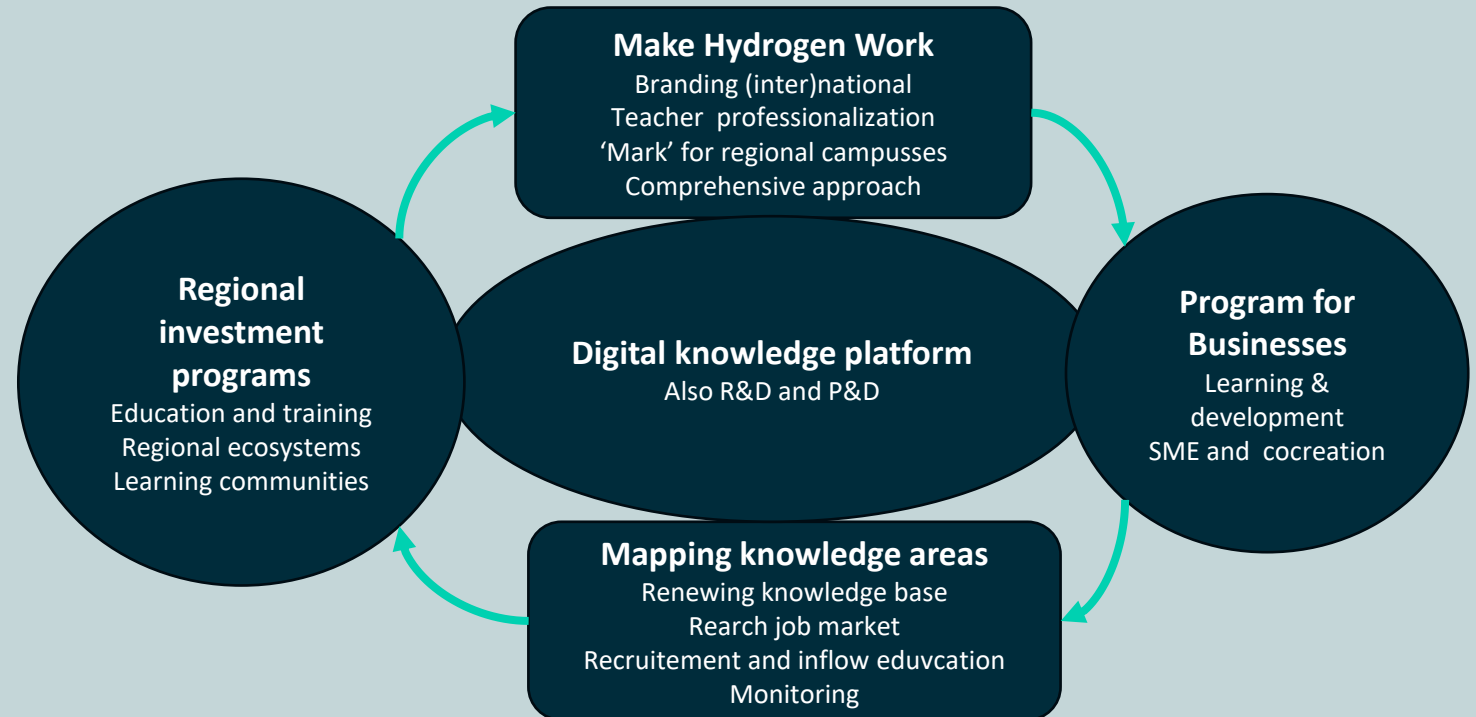
GroenvermogenNL HCA

HCA 2024-2028

Human capital agenda:

1. Mapping knowledge areas
2. Regional investment programs
3. Digital knowledge platform
4. National educational infrastructure
5. Innovation- en educayional impuls for businesses (ao SME's)

Connection between pillars R&D-P&D-HCA



Connection between pillars (valorizing skills)



[GVNL Young - Groenvermogen \(groenvermogen.nl.org\)](https://groenvermogen.nl.org)



Financing desk

- Helping SME and startups with financing opportunities
- Events bringing Finance and innovators together

<https://topsectorenergie.nl/nl/subsidiemogelijkheden/financieringsloket/>

