R&D consortium by GroenvermogenNL

HySUCCESS

Non technological aspects of using green hydrogen

Start	December 2024
Subsidy	€ 12.164.310
Private contribution	€ 985.913
Leadership	Linda Steg (RUG), Henk Akkermans (Tilburg University)

10 universities

1 research institute

5 universities applied science

3 industrial partners

Research Tasks

1

ROLE OF HYDROGEN
in a carbon neutral energy system and assess the environmental

2

Factors hindering and enabling the **economic feasibility** of hydrogen business cases

3

LEGAL FRAMEWORKS
and policy instruments affecting the feasibility of hydrogen options

4

SOCIOCULTURAL FACTORS
of hydrogen feasibility

5

INTEGRATION
of the findings from Task 1-4

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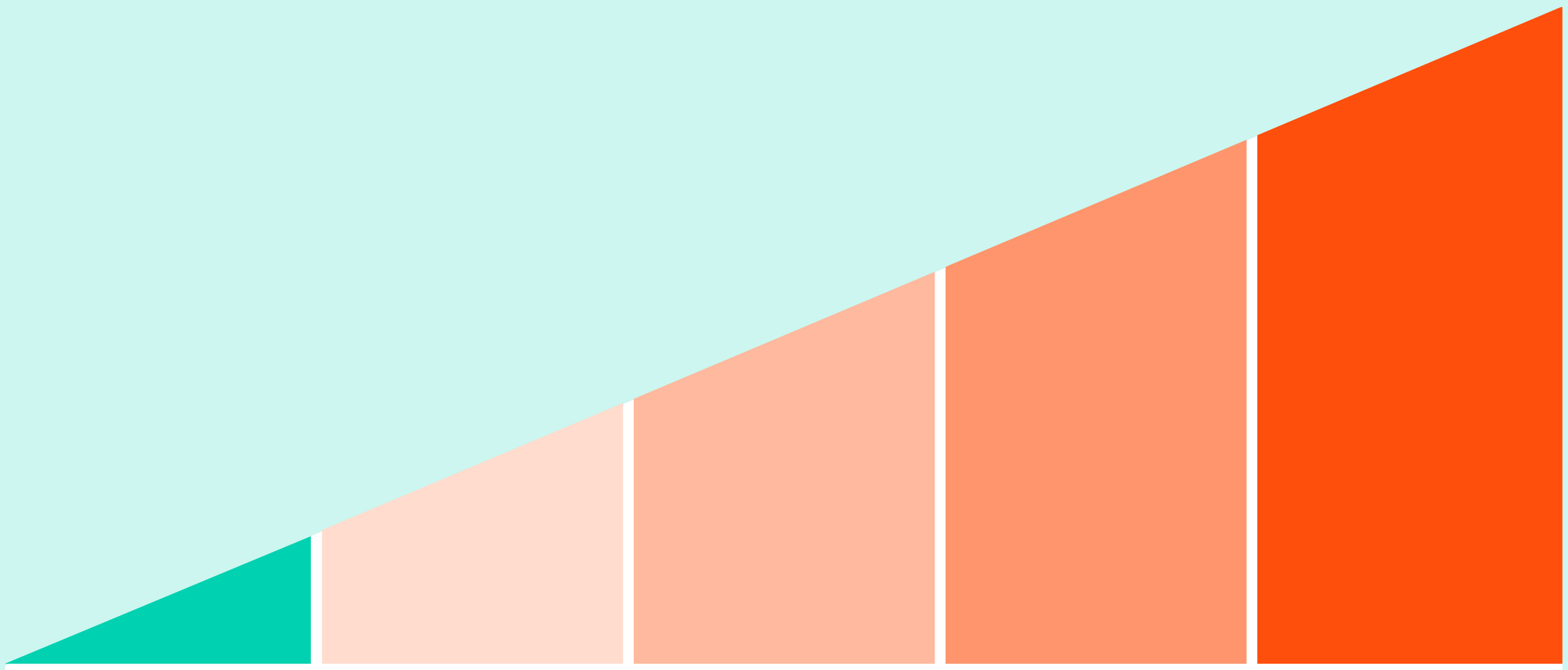
GroenvermogenNL ambitions

Acceleration	☑
Scaling up	☑
Reducing costs	
Innovative ecosystem	☑
New talents	☑



inputs	activities	outputs	outcomes	impact
Experts, **cross work package collaboration mechanisms, use-cases**.	Examine the **role of hydrogen** in a carbon neutral energy system and assess environmental impact. Assessment of factors hindering and enabling the **economic feasibility** of hydrogen business cases. **Legal frameworks** and policy instruments affecting the feasibility of hydrogen options. Assessment of **sociocultural factors** of hydrogen. Integration of the findings from Task 1-4.	Creation and dissemination of actionable scenarios, lessons, policy recommendations, labor market analyses, and public acceptance insights on how to integrate hydrogen technologies, shape adaptive regulatory frameworks, and inform policy-making for a green hydrogen economy.	**Hydrogen scenarios** to be adopted in policy decision-making; for governments, businesses, and grid operators. **Policy recommendations** on legal and process changes to be integrated into adaptive regulatory frameworks, Labor market effects to be incorporated into relevant policymaking and the GVNL Human Capital Agenda, Effective understanding of the drivers of public **acceptance** of hydrogen.	**Acceleration** by removing policy barriers through better regulatory frameworks. **Upscaling** by strengthening business cases, labour availability & public support. Strong links to the other work packages. **Innovative ecosystem** with new participants in the consortium. **New talents** because approximately 20 PhD's are recruited and become involved in hydrogen issues.

2024	2025	2026	2027	2028	2029	2030	Beyond
• December start	• Laws and policies, vision, • Use-case integration with WP1,2&3.	• Socio-techno-economic and political reports • Just directionality		• Factors influencing public acceptability of H2 systems		• Commu-nication and disse-mination	