

HyTROS

Safe transport and storage onshore and offshore*

* Offshore - a unique selling point for NL

Start	April 2024
Subsidy	€ 14.236.764
Private contribution	€ 3.719.524
Leadership	René Peters (TNO), David Smeulders (Eindhoven University of Technology)

11 universities

2 research institutes

19 industrial partners

2 universities applied science



Research Tasks

1

INFRASTRUCTURE
Degradation of materials, hydrogen leakage and flow metering

2

SAFETY
Standards

3

OFFSHORE
Infrastructure connected to the onshore grid

4

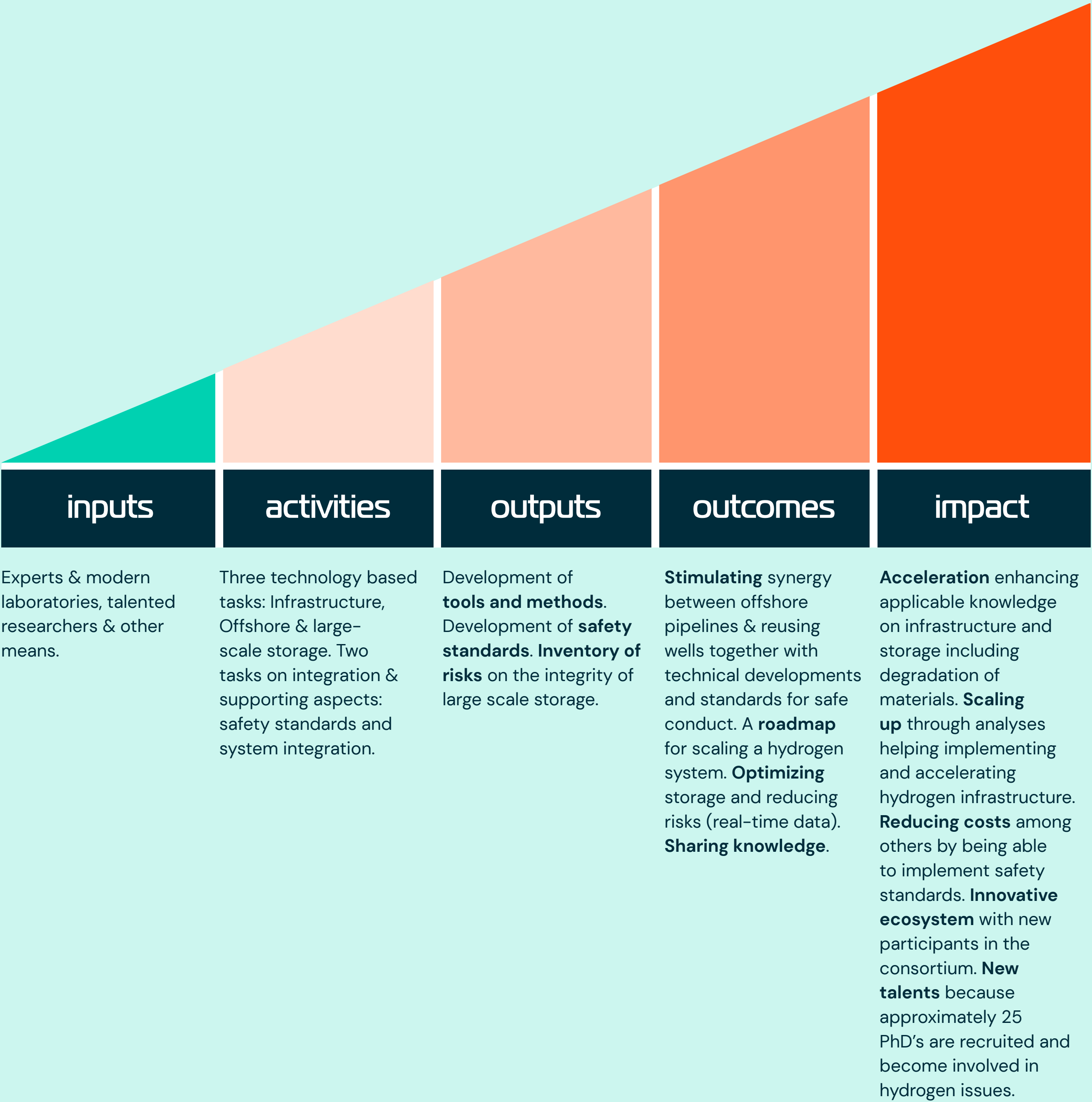
LARGE SCALE STORAGE
Underground H₂ storage in empty wells and storage in tanks

5

ANALYSES
Om scaling up and system integration

GroenvermogenNL ambitions

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



2024	2025	2026	2027	2028	2029	2030	Beyond
<ul style="list-style-type: none">Start methodology	<ul style="list-style-type: none">Modelling fatigue crackingDecision framework		<ul style="list-style-type: none">Monitoring tools, risks assessments	<ul style="list-style-type: none">DesalinationMarket modellingSafety protocols		<ul style="list-style-type: none">End phase 1TR importSensors	