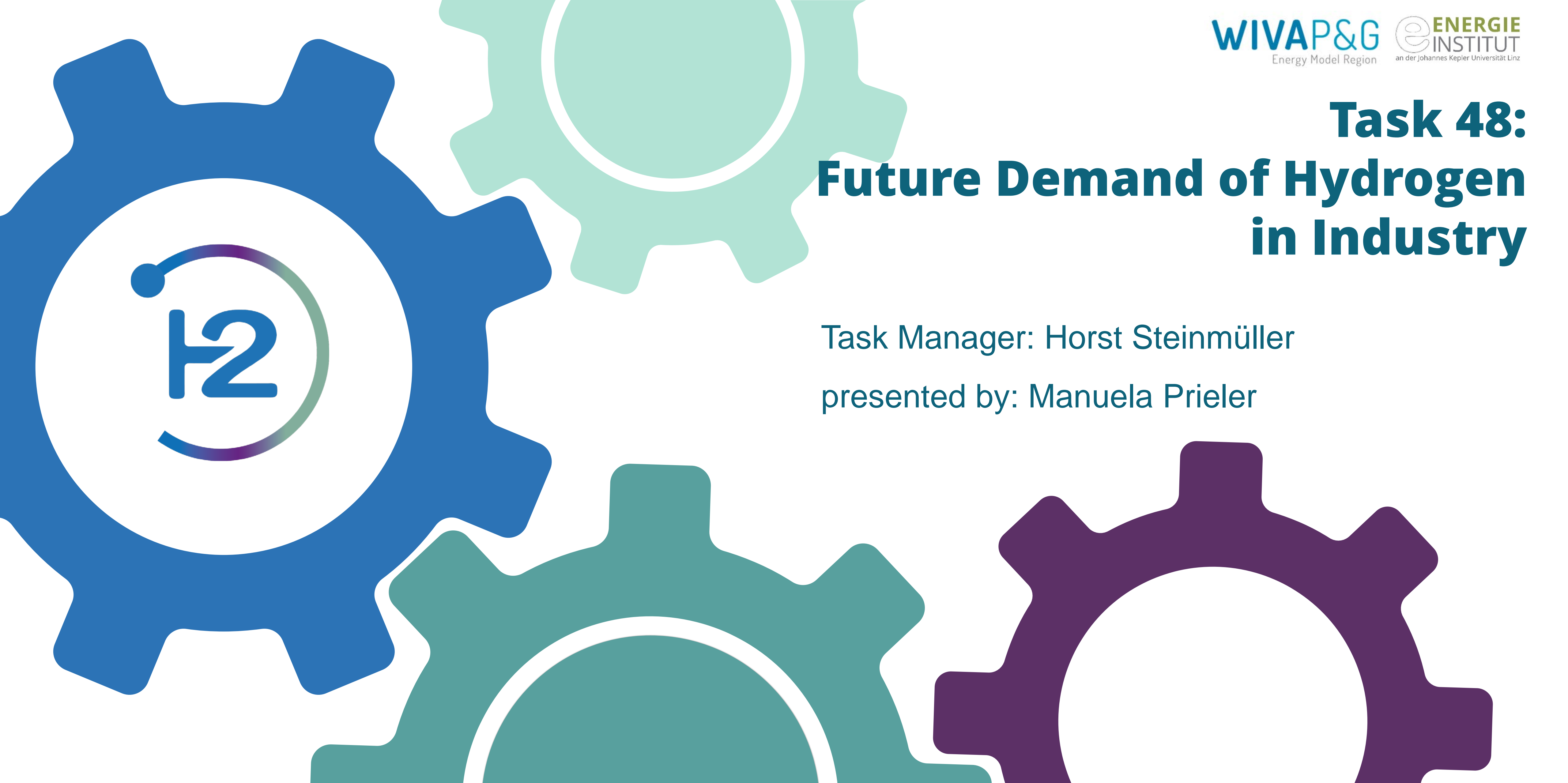


# Task 48: Future Demand of Hydrogen in Industry

Task Manager: Horst Steinmüller  
presented by: Manuela Prieler



# General objectives

The Task “Future Demand of Hydrogen in Industry” will gather experts from different countries and institutions to work out relevant contribution in the assessment of different technologies using Hydrogen in Industry by:

- provide a clear and regularly updated picture of the current state of using hydrogen in different industry sectors;
- provide decision makers, stakeholders and the public with clear elements to assess and compare the possibilities to use hydrogen in industry, especially with the focus on the ramp up of the hydrogen production facilities.

# Scope – Industrial sectors

## Steel Industry

- H2 demand in focus, not general all ways for decarbonization
- CCU also questioned not only direct use

## Refinery

- Use green H2 instead grey H2 (-> when/amount)
- Sustainable fuels production and other products
- Recycled materials

## Chemical Industry

- Fertilizer (Ammonia level, Uria enough)
  - Chemical Recycling
  - Methanol
  - Biomass – waste
- > Use roadmap of chemical industry as bases and ask different stakeholders questions out of it

## High Temperature

- Glas industry
- Ceramic industry
- etc. ....

... indirect H2 usage like CHP is included, but as separate question (clear identifiable demand)

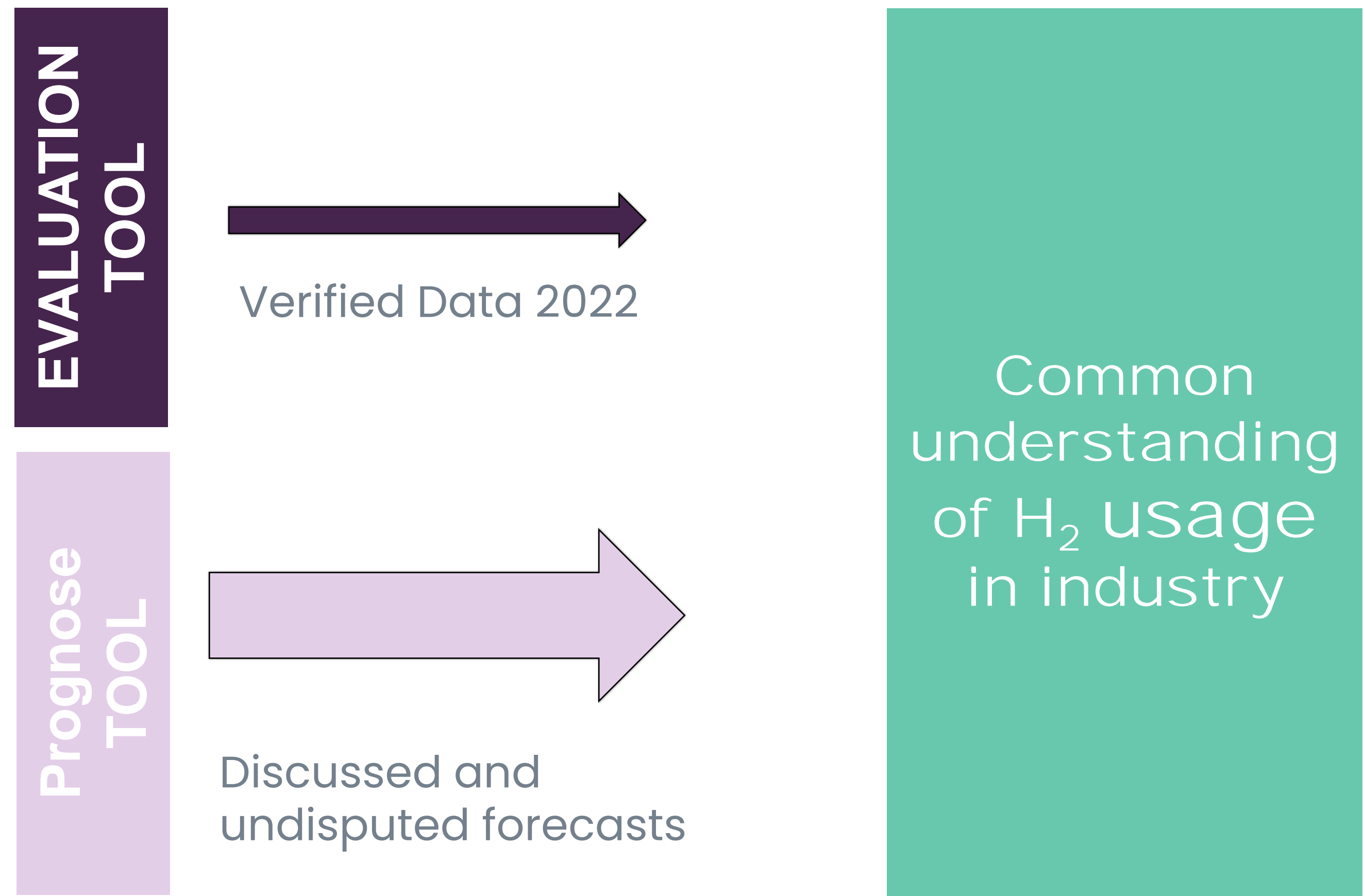
# Sub-Tasks

- **Sub-Task a:** Data collection and monitoring
- **Sub-Task b:** Exchange of results
- **Sub-Task c:** Coordination of Outreach

# Organizational matters -Timeline

		2024									2025									2026									2027																										
		M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26	M27	M28	M29	M30	M31	M32	M33	M34	M35	M36																		
Sub-Task a	Pre-Kick off	* (19th March)																																																					
	Preparation of Evaluation Tool	█																																																					
	Official Kick off				* (11th June)																																																		
	Fill in Data – Evaluation Tool										█																																												
	Formation of Task Force								█		█																																												
	First presentation of evaluation results												*																																										
	Preparation of Prognoses Tool										█																																												
	Fill in Data – Prognoses Tool													█																																									
	First presentation of prognoses results																			*																																			
Sub-Task b																				█									█									█																	
Sub-Task c																							█			█									█																				

# Structure: content of Sub-Tasks

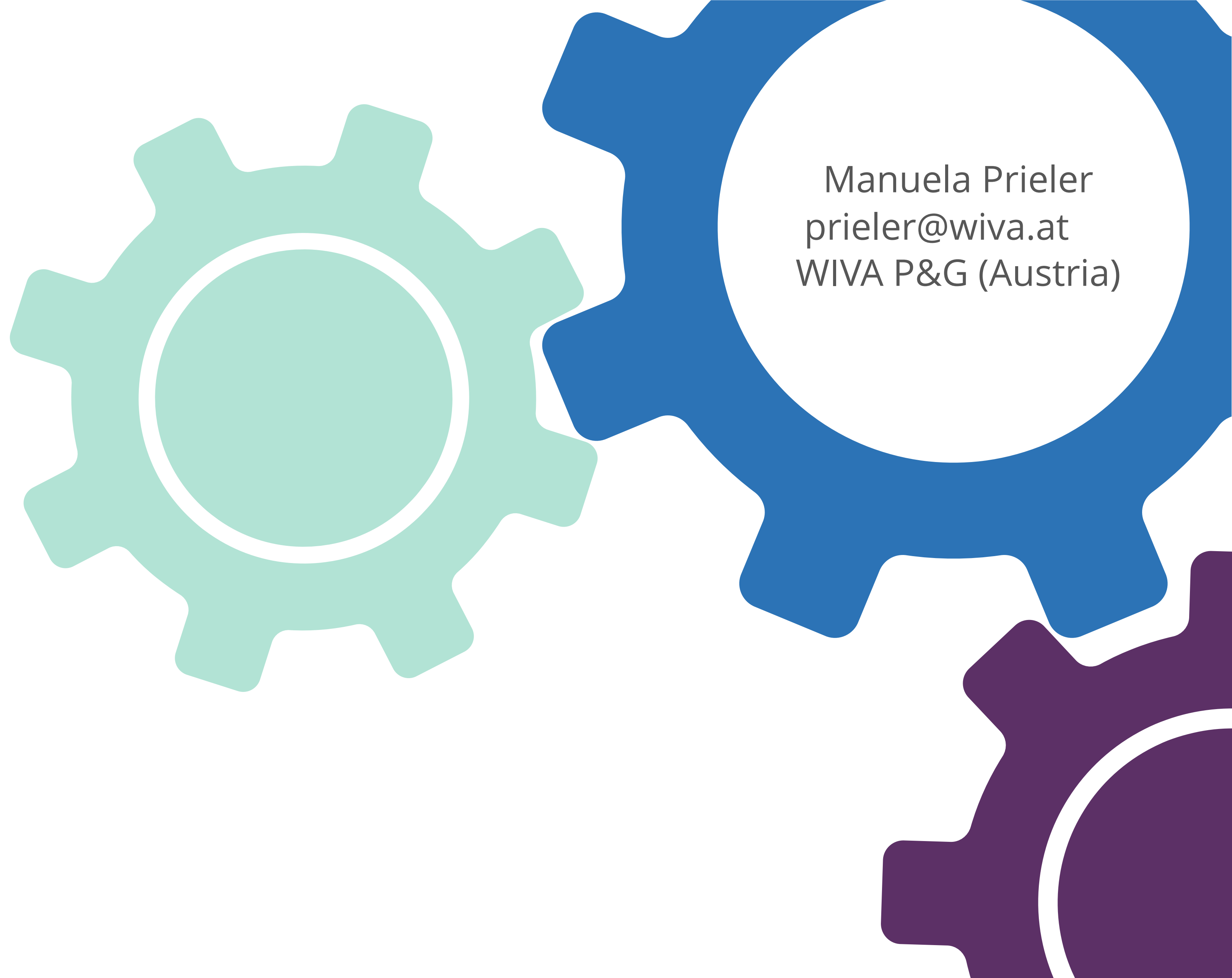


t

# Members

Hydrogen TCP Members	Task Participation - Organizations
Argentina	HYCHICO
Austria	WIVA P&G Energieinstitut - JKU
Australia	Dataspace Insight Pty Ltd. Adelaide
Denmark	TOPSOE
Germany	DECHEMA
Italy	SNAM
Spain	Tecnalia
Sweden	Energimyndighete LTU
UNIDO	
USA	NREL GTI Energy

# Thank You!



Manuela Prieler  
prieler@wiva.at  
WIVA P&G (Austria)