

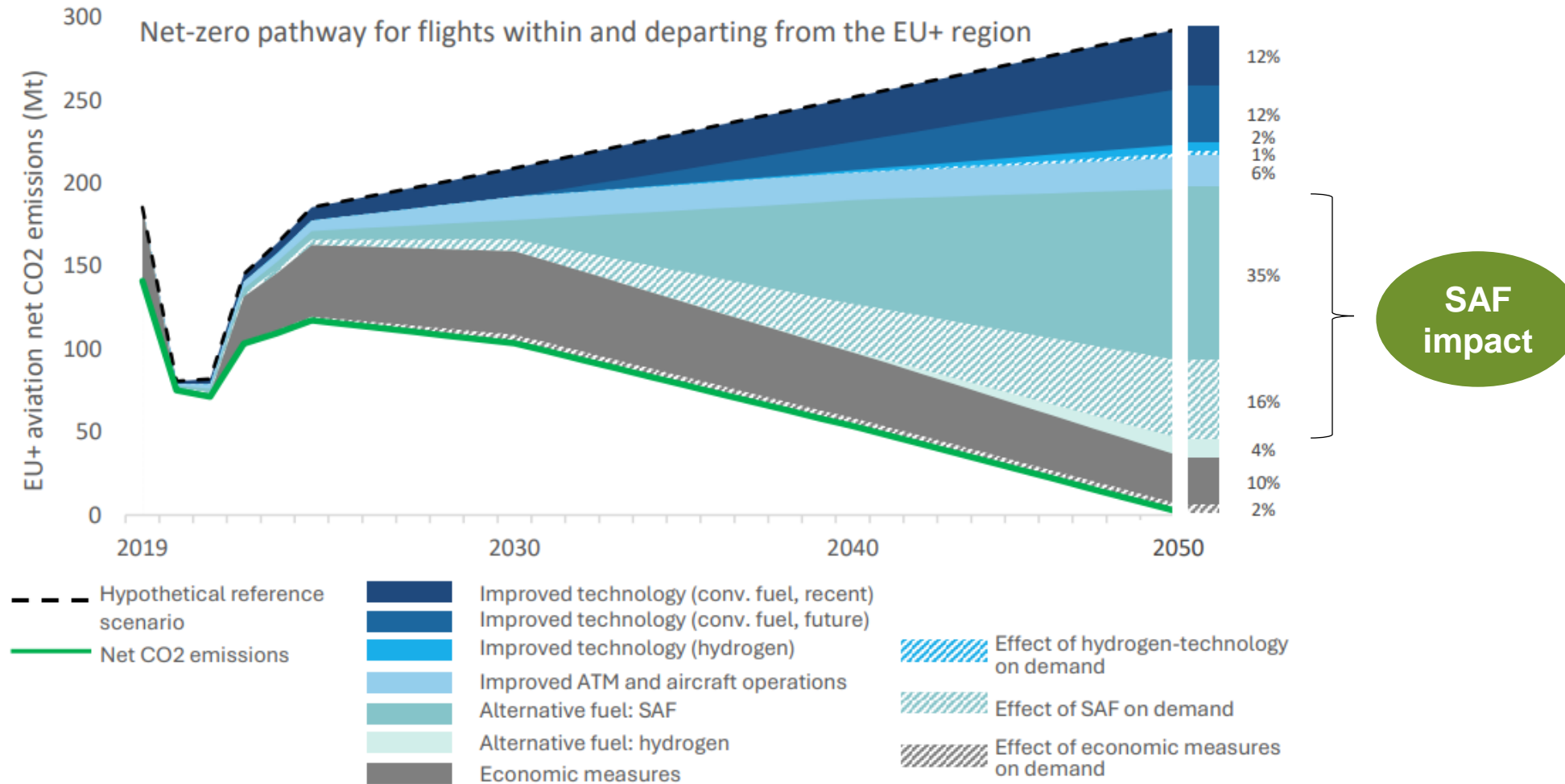
SAF Best Practices for EASA & ACI-AFRAA

Royal Schiphol Group,
Fokko Kroesen, 23 April 2025



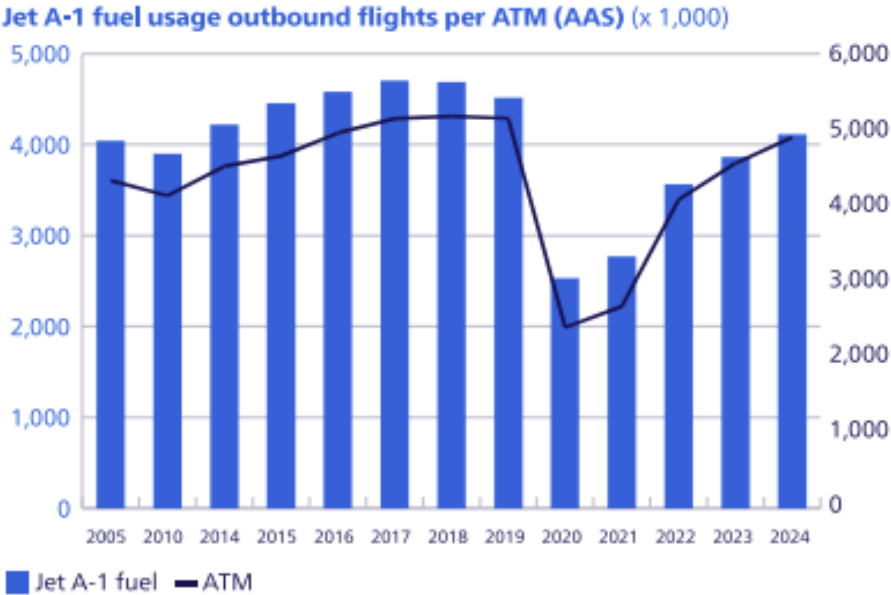

Schiphol
Group

Roadmap towards net-zero aviation emissions in Europe



Source: www.Destination2050.eu. Developed by NLR and SEO at the request of A4E, ACI EUROPE, ASD, CANSO and ERA

Facts and figures Schiphol Group 2024



On our way to reach net-zero carbon emissions by 2050



Net-zero-carbon for Scope 1 and 2!
LT-targets for scope 3



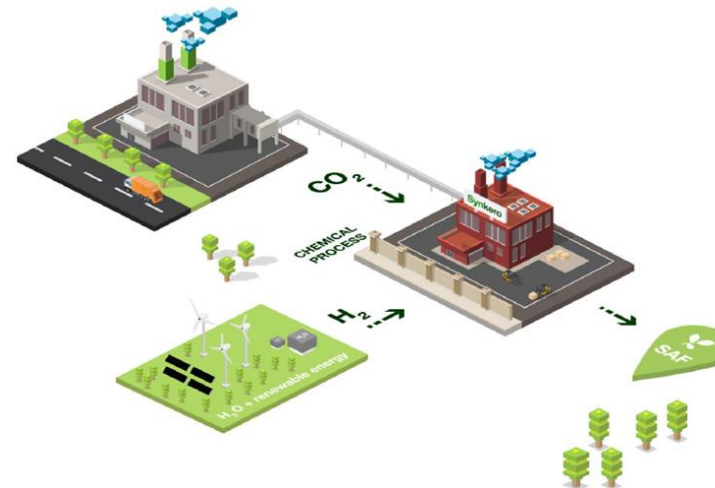
DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

NT + LT roadmap for Scope 1 and 2



Incentivizing SAF at Schiphol: Production and Uptake

- 2011: First commercial flight with certified SAF at Schiphol;
- 2012: Developing the KLM SAF programme with corporate companies and broader communities;
- 2013: Start of BioPort Holland initiative;
- 2017: Feasibility study executed to develop PtL (e-SAF) in NL;
- 2021: Set up of PtL production pathways ZENID (at RTHA) and support of Synkero pathway (at A'dam);
- 2022: Base survey at Schiphol on passenger awareness;
- 2022-2024: Installed SAF-incentive for airlines
- 2023-2026: TULIPS demo's on SAF upscaling, SAF incentives and awareness campaigns.



2022-'24 incentive at Schiphol to prepare for ReFuel EU:

Funding Schiphol to Airlines purchasing SAF:

- Total funding (from SNBV) currently amounts € 15 million in period 2022 – 2024

Qualifying SAF funding (€500_{'22} to €300_{'24} for each tonne of SAF, € 1,000 for each tonne of synthetic kerosene):

- Reduces at least 70% CO₂ compared to fossil kerosene in its full lifecycle;
- Must be produced in Europe, preferably from European feedstock;
- Adheres to EU certification standards (RED II Annex IX, Part A or B), and is used for refuelling at AMS.

Qualifying airlines:

- Notify Schiphol of their interest to uptake Qualifying SAF at Schiphol no later than April 1st of each Incentive Year;
- Provide an updated forecast by October 1st during each ongoing Incentive Year
- Provide Schiphol with a proof of contract for the purchase of Qualifying SAF before October 15 and for the next part of the reporting year before April 15 in each incentive year.

Results on subsidized SAF:

- **2022:** supply to ca 11 airlines, total subsidized amount 5,000 mt SAF;
- **2023:** supply to ca 14 airlines, total subsidized amount 12,500 mt SAF;
- **2024:** forecast total subsidized amount: 25,000 mt SAF;

TULIPS: Sustainable innovation programme to accelerate RSG sustainability ambitions

- 25 million EUR subsidy European Commission
- RSG leads consortium
- 29 partners: airports, airlines, knowledge institutes and industrial partners
- 4 year programme

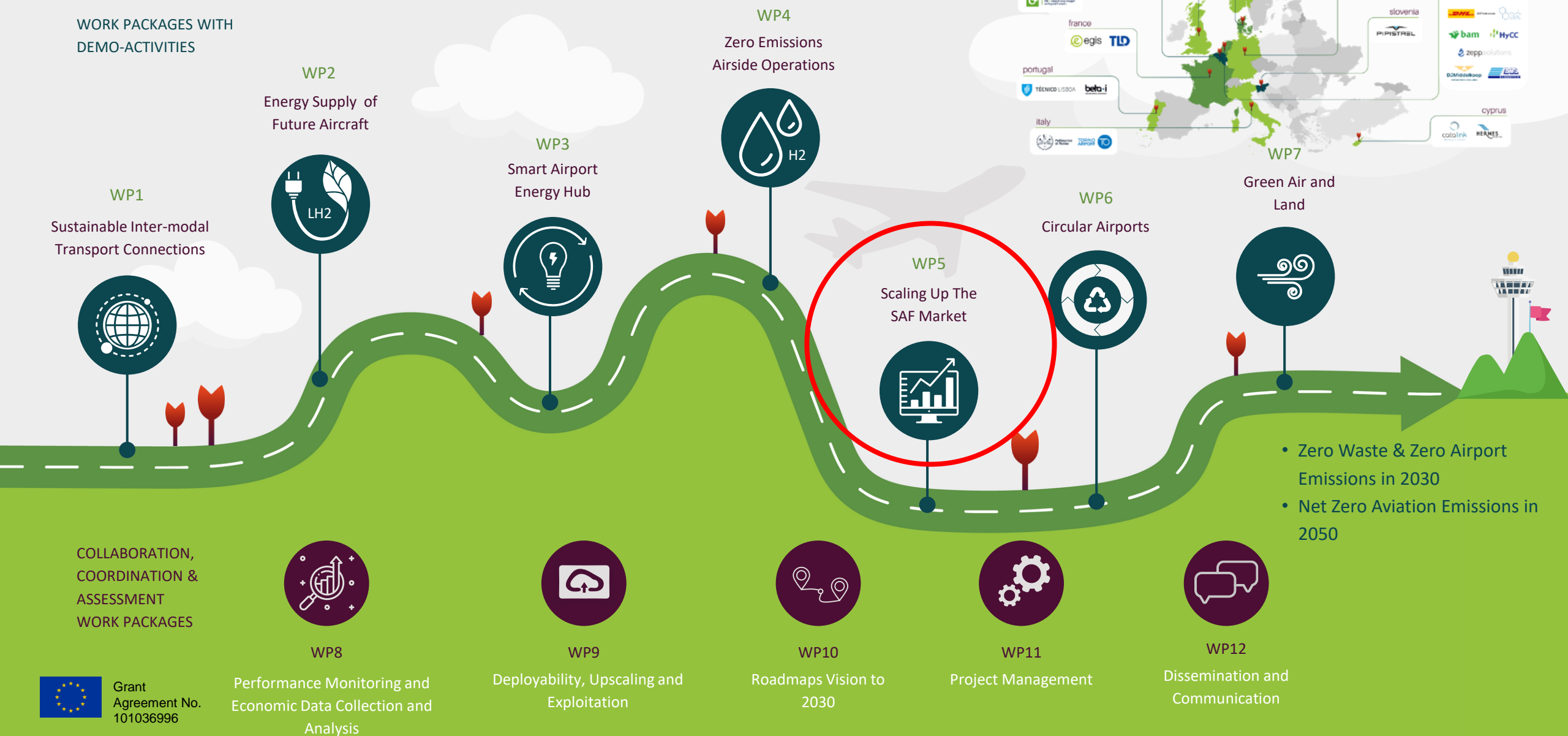
Topics

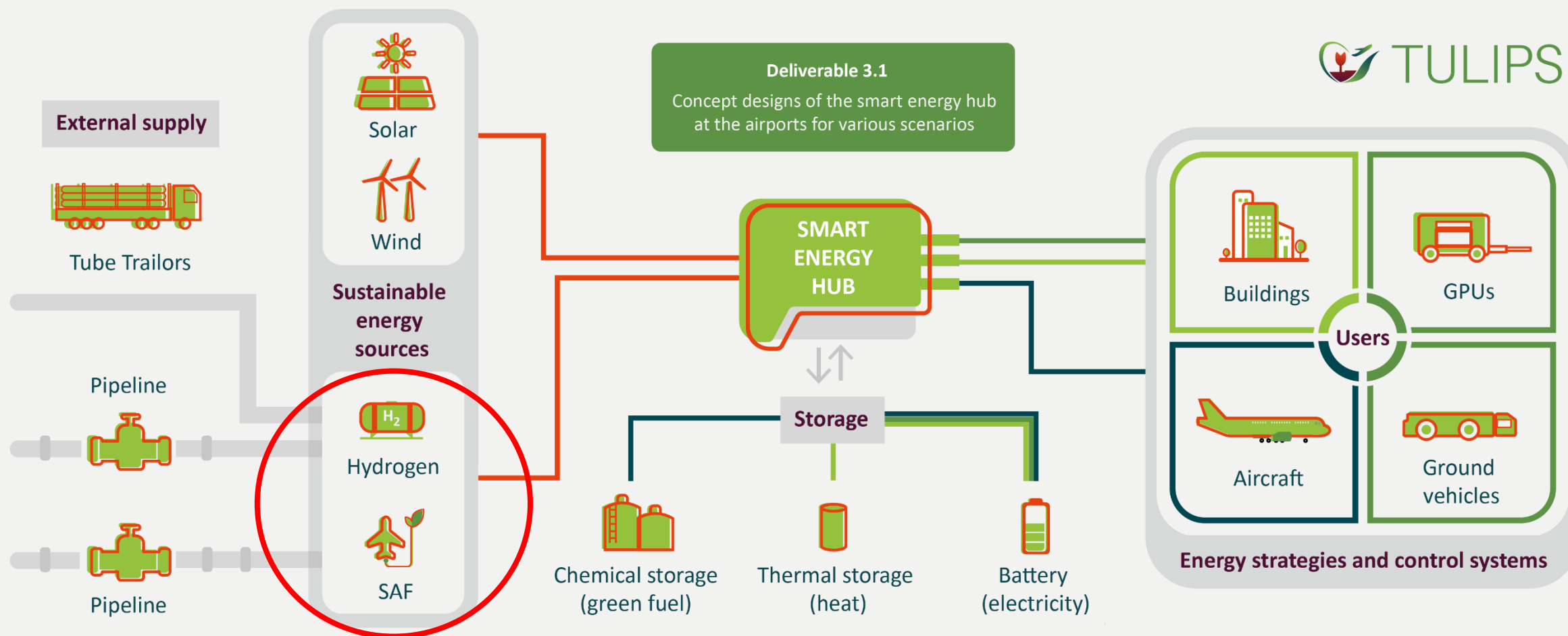
- Smart and clean mobility
- Smart energy hub
- Alternative fuels including hydrogen
- Circular airports
- Local air quality
- Biodiversity



WORK PACKAGES WITH DEMO-ACTIVITIES

Demonstrating lower polluting solutions for sustainable airPorts across Europe





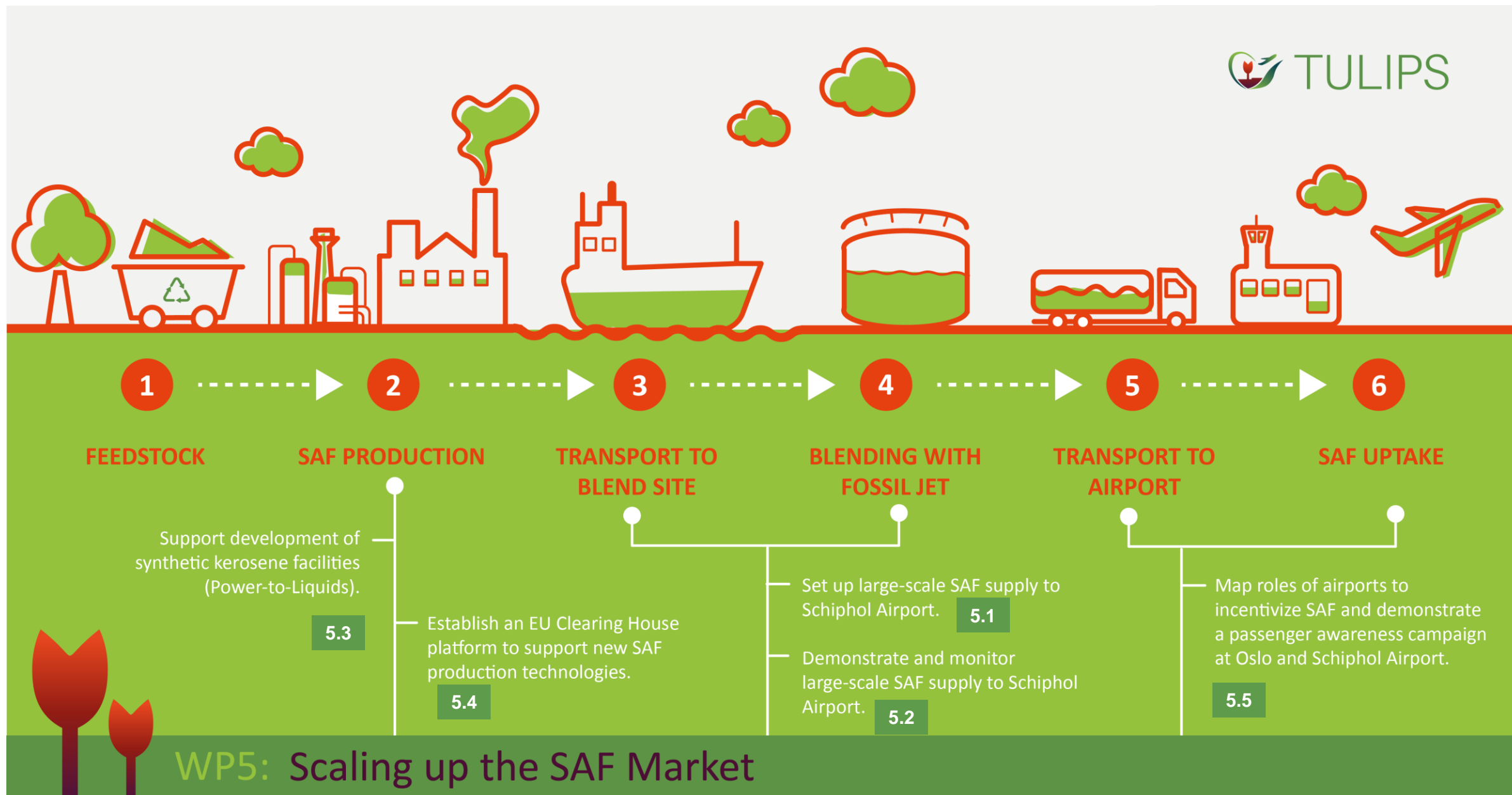
Link with WP 2, 4 and 5:
H2 infrastructure and large scale
SAF supply

Deliverable 3.2
Heat supply facilities
demonstration

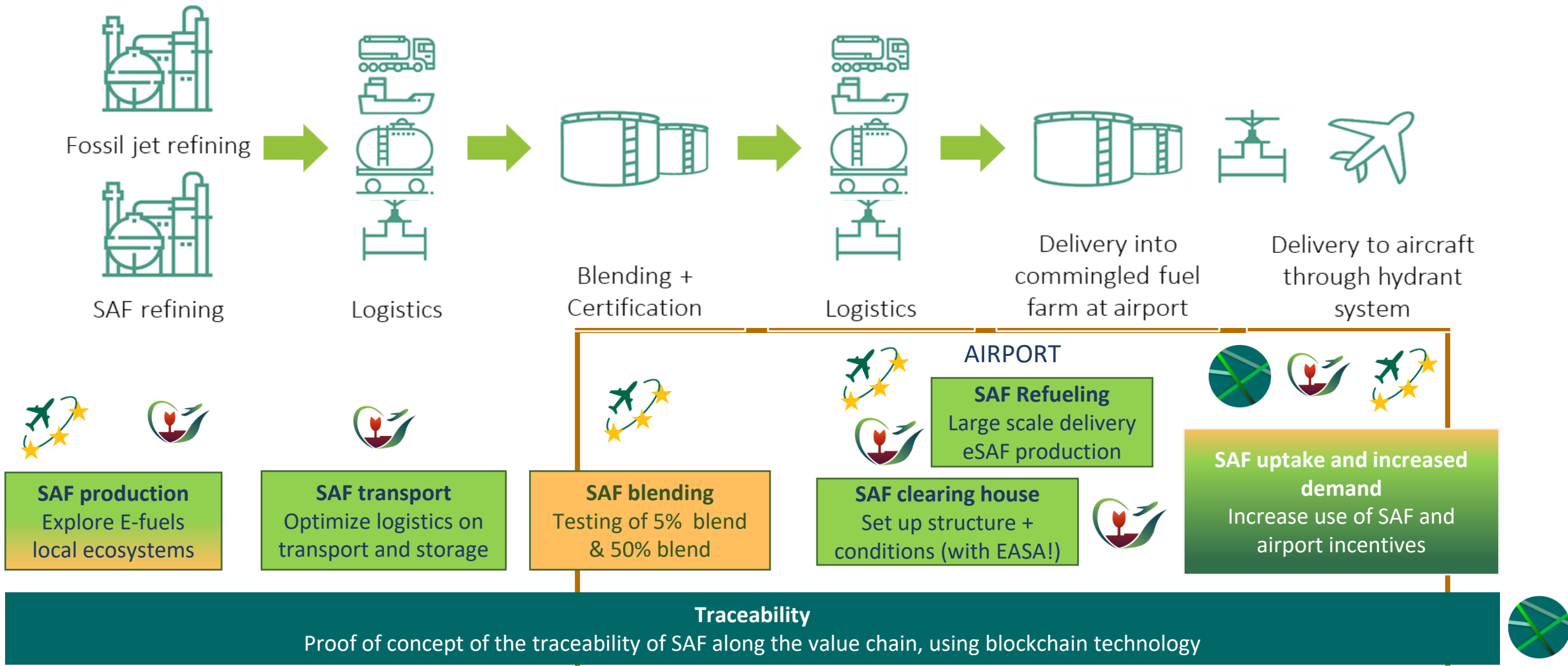
Deliverable 3.3
Airside electricity traffic
demonstration

Deliverable 3.4
Lessons learnt and the upscaling
and knowledge transfer approaches
developed for smart energy hub

WP3: Smart Energy Hub



3 complementary EU projects to tackle the SAF challenge



Contact Us!



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