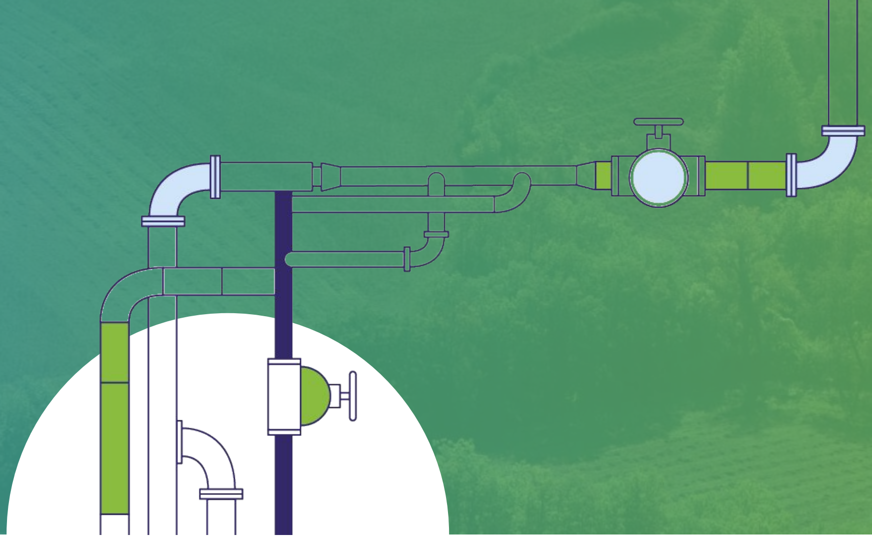
Shippers Meeting

31 MARCH 2023

AGENDA



01. INTRODUCTION

Dominique Mockly CEO of Teréga

02. LOOK BACK AT 2022

Emmanuel BOUQUILLION Transport and Storage Account Manager
Nelly LABORDE Marketing and Sales Manager
Fabrice CONQUES Transport and Storage Account Manager

Transport Activity
Main grid

LOOK BACK AT WINTER 22-23 - Main Points

Interruption of Russia Supply → **High volatility of European prices**

High LNG supply → **High demand for SP→FR capacity**

↗ needs of injection capacities in storages → **High level of gas stored**

PEG +12,3%
(540 TWh)

Evolution over the winter:

17.92 ≤ PEG ≤ 144.77 €/MWh

# of trades = 74 245 (+0.9%)

Avg. vol. ≈ 7.3 GWh (+11.3%)

Pirineos is a flexible virtual IP that efficiently connects the French and the Iberian markets despite volatile business conditions.

LOOK BACK AT WINTER 22-23 - Entry Bookings*

Main Highlights

Changes in bookings behavior:

- Firm capacity = +36,3 GWh/d
- Interruptible capacity = +27,4 GWh/d

Variation of inflow volumes:

- 16 TWh (+9,9 TWh)

Gas Consumption (Teréga area):

- 14,8 TWh (-3,3 TWh)

* Compare to Winter 21/22

LOOK BACK AT WINTER 22-23 - Exit bookings*

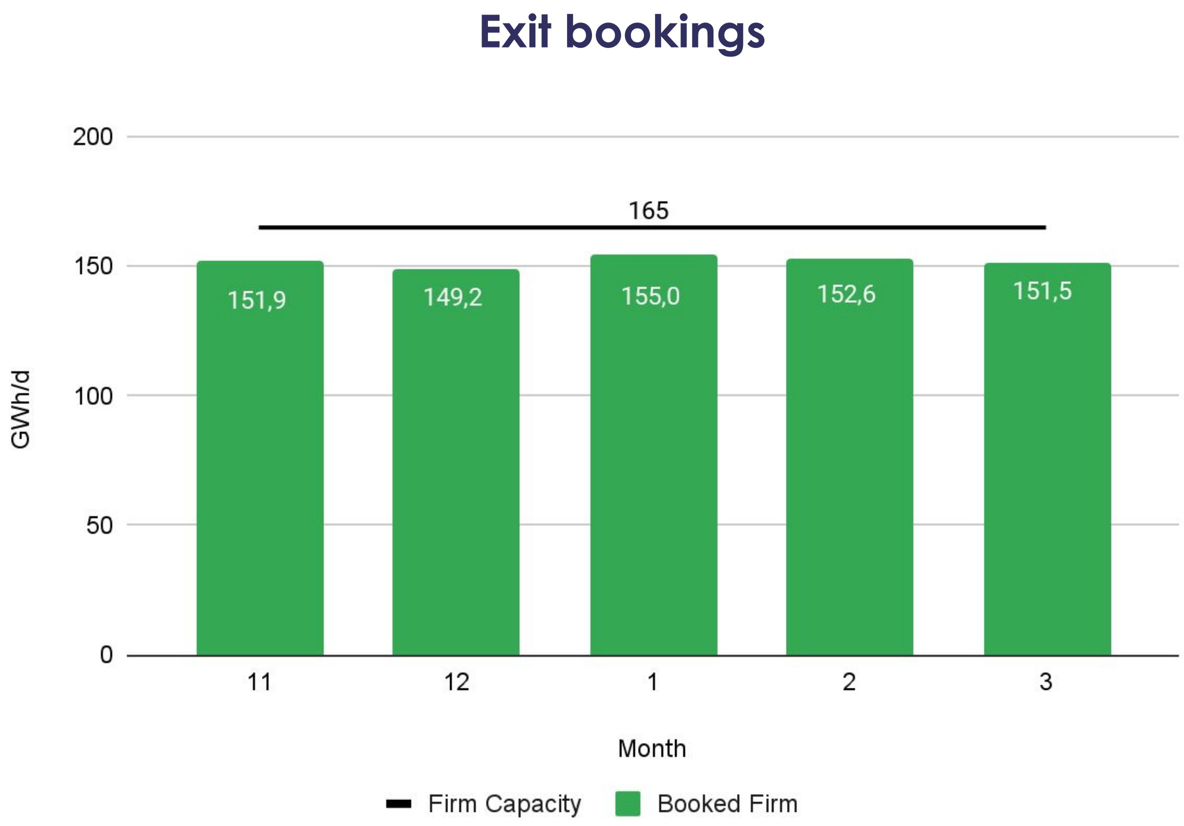
Main Highlights

Changes in bookings behavior:

- Firm capacity = -0,9 GWh/d
- Interruptible capacity = -0,9 GWh/d

Variation of outflow volumes:

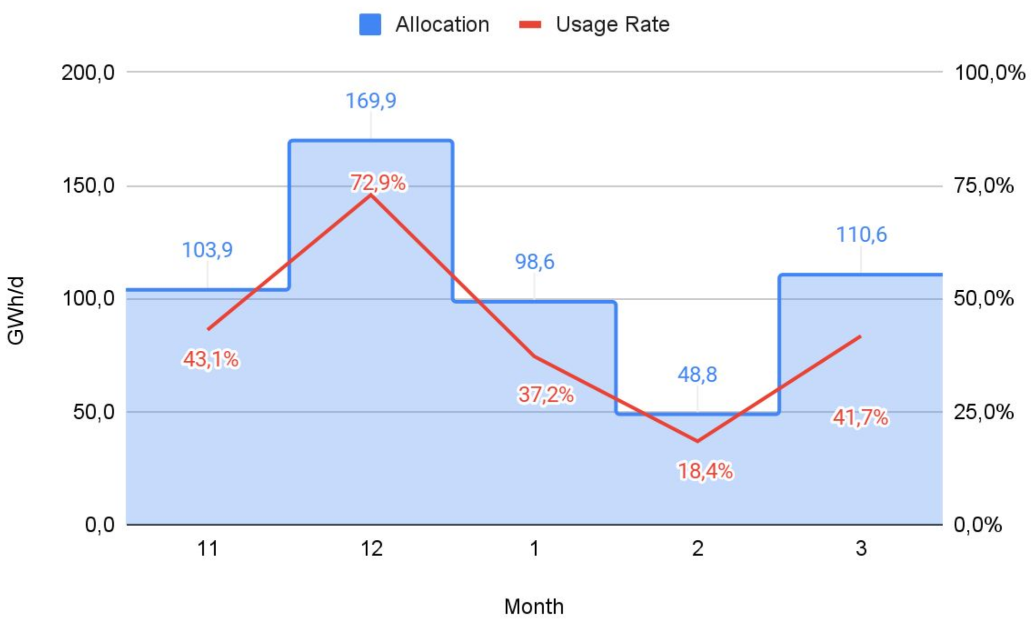
- 6,2 TWh (-6,2 TWh)



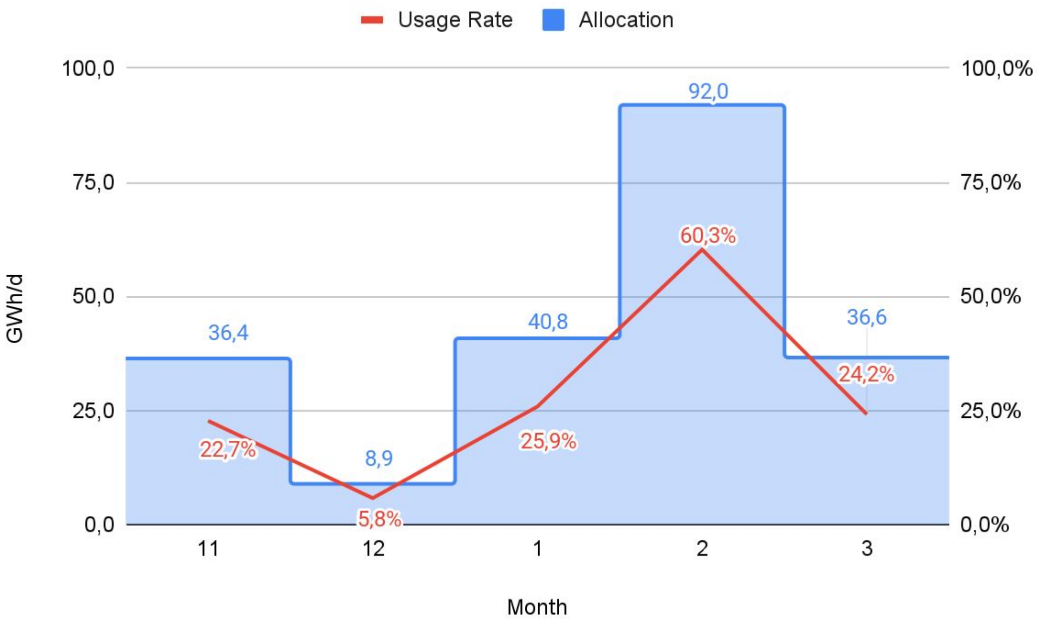
* Compare to Winter 21/22

LOOK BACK AT WINTER 22-23 - Entry/Exit Capacity Usage

Entry from Spain



Exit to Spain



Compare to last winter:

↗ usage rate: 21% → 43%

↗ average daily allocation: 42 GWh/d → 108 GWh/d

Compare to last winter:

↘ usage rate: 54% → 27%

↘ average daily allocation: 83 GWh/d → 42 GWh/d

LOOK BACK AT WINTER 22-23 - Allocation via the UBI service

Daily capacity available to shippers in addition to their rights via over-nomination and FCFS principle.

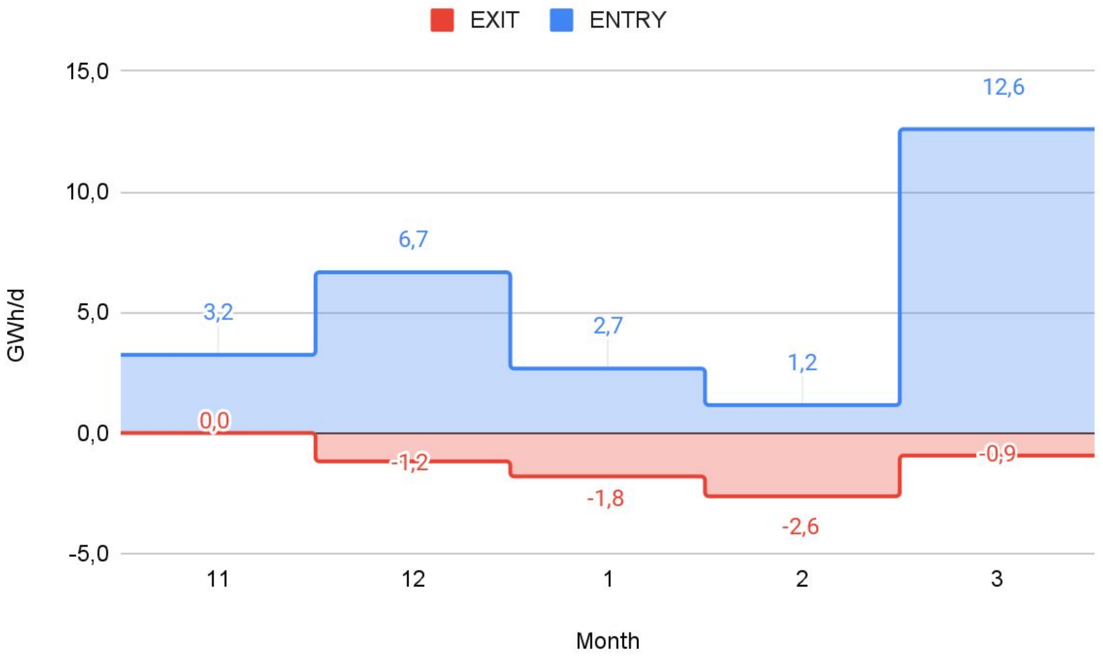
Invoicing based on **allocated capacities** at firm daily price.

Number of days used:
- SP→FR = 79 days
- FR→SP = 20 days

Average UBI (when used):
- SP→FR = 10,2 GWh/d
- FR→SP = 9,7 GWh/d

Maximum UBI used in a day:
- SP→FR = 58,2 GWh
- FR→SP = 32,7 GWh

Usage of the UBI service (monthly average)



LOOK BACK AT WINTER 22-23

European Hub prices under pressure

Moderate to extreme spreads in Summer 22

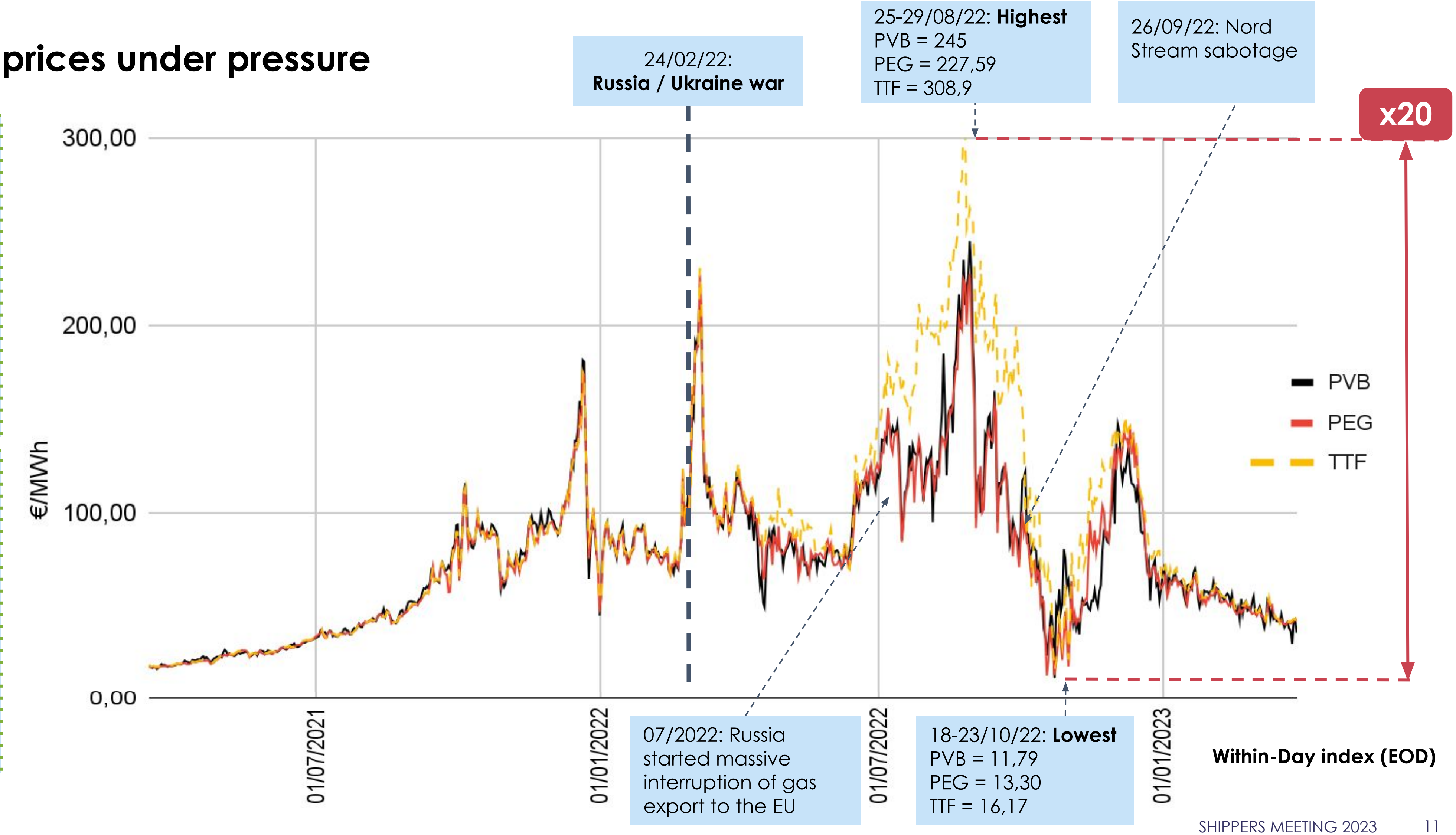
April to June 2022:
PEG ≃ PVB (< +2 €/MWh)
PEG < TTF (+9 €/MWh)

July to mid-Oct 2022:
PEG < PVB (+5 €/MWh)
PEG << TTF (+55 €/MWh)

Low to moderate spreads at the beginning of Winter 22-23

Mid-Oct to Dec 2022:
PVB < PEG (+5 €/MWh)
PEG << TTF (+15 €/MWh)

Since Jan. 2023:
spreads ≤ 2.5 €/MWh



Within-Day index (EOD)

LOOK BACK AT WINTER 22-23

South-North congestions appeared especially in December 22 and January 23

29 RED VIGILANCE

110 LOCATIONAL SPREAD

- 100% SN3
- 84,3 % fruitful Locational Spread
- Requested volume = 6,099 TWh
- Traded volume = 5,144 TWh
- Total cost = 54 m€
- Weighted average price = 10,47 €/MWh

16 RMUT

- **Only in Dec. 2022**

Transport Activity Regional grid

FRENCH SOBRIETY PLAN 2022-2023

RÉPUBLIQUE FRANÇAISE

Liberté
Égalité
Fraternité

Regulatory package set up by TSOs to ensure security of supply

3 regulatory mechanisms

CONSUMPTION REPARTITION	GUARANTEED INTERRUPTIBILITY	SELECTIVE CURTAILMENT
Conso > 30(0) MWh/y	Conso > 5 GWh/y + CJS > 20 MWh/d	Conso > 5 GWh/y

– Level of transmission grid stress and imbalance +

Energetic sobriety plan

1. Garantee security of supply

   Volume and peak consumption

2. Reduce energy consumption

   -10% vs 2019 in 2 years

LOOK BACK AT 2022-2023 WINTER

Industrial customer support

Main Highlights

100%
customers visited

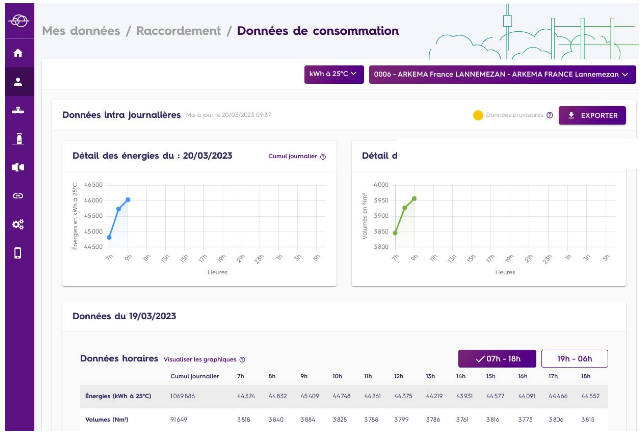
Specific road show
113 PICs

- Explanation of regulatories mechanisms
- Control of consumption helpers

1 Barometer of grid tension

écogaz

2 Consumption informations

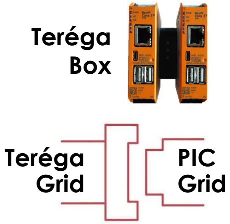


Customer portal

+

Specific API

3 Consumption Management



New customer service

Benefit consumption datas in real time for driving industrial efficiency through better control of gas consumption

LOOK BACK AT 2022-2023 WINTER

Consumption

Distribution

Industrial

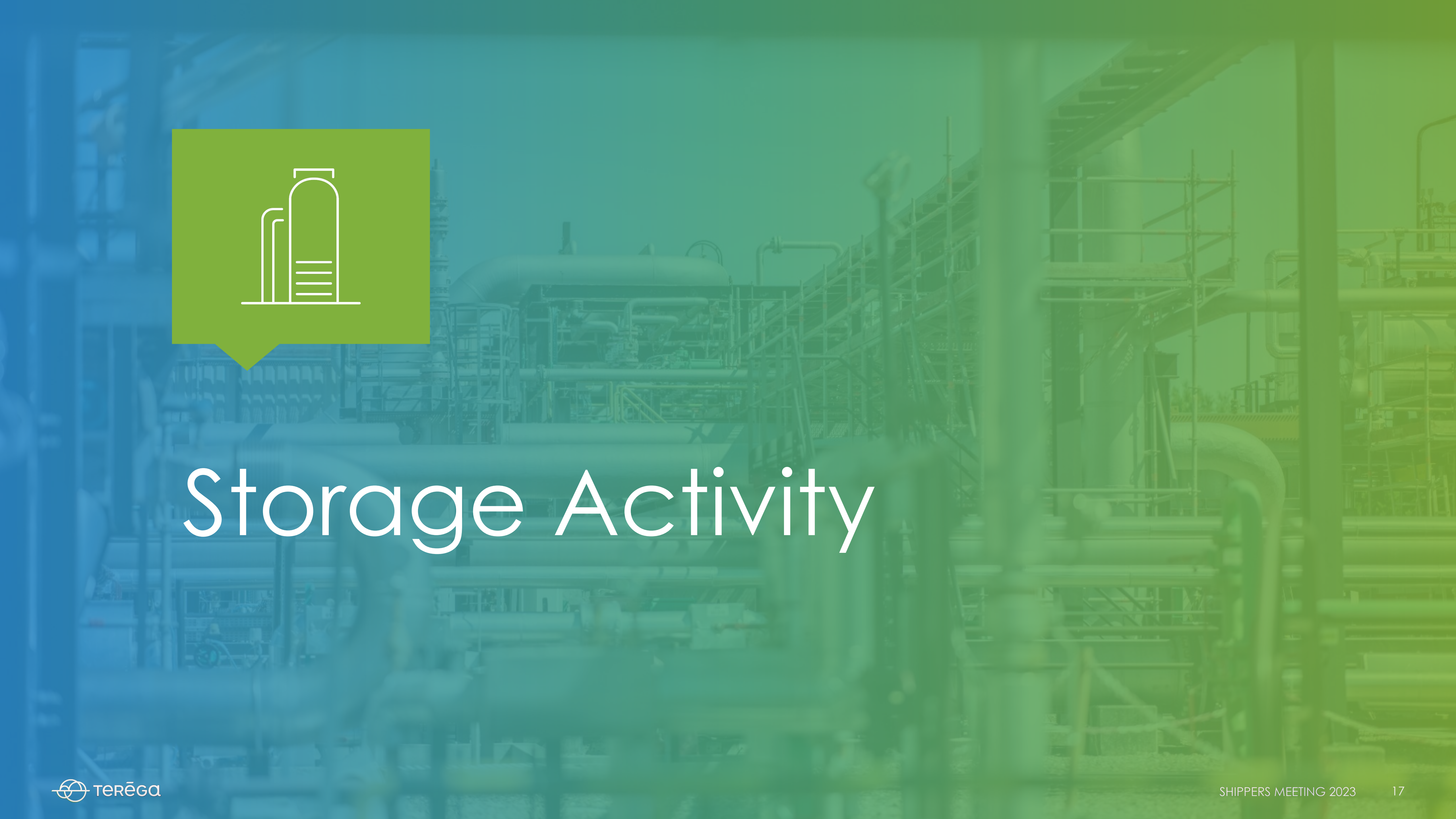
Main Highlights

14,8 TWh consumption

8,8°C avg Temperature
(+0,3°C vs N-1)

	Distribution	Industrial
EXIT	-18,8%	-14,5%
National trend	*-13,8%*	*-13,8%*

2022-23 Vs. 2021-22 over the winter period

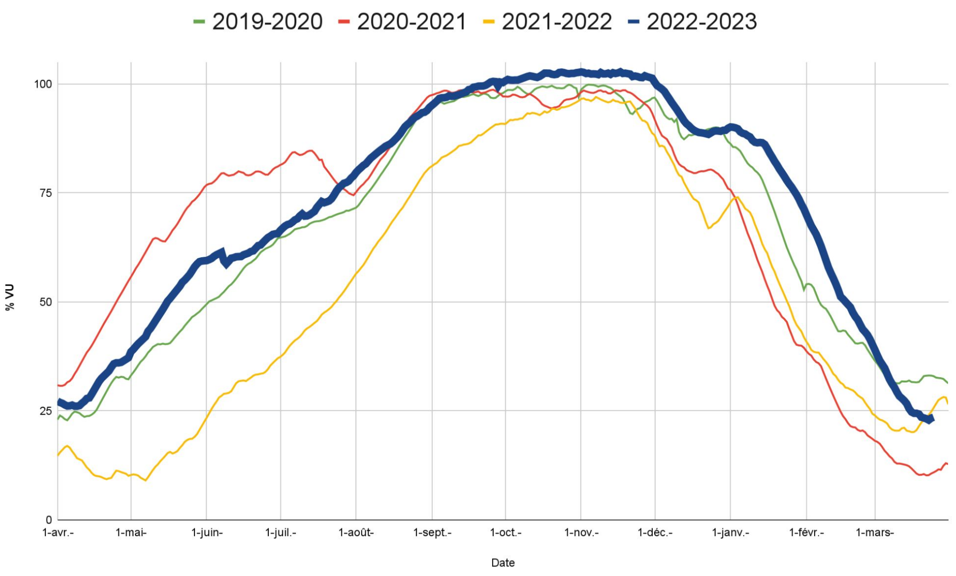


Storage Activity

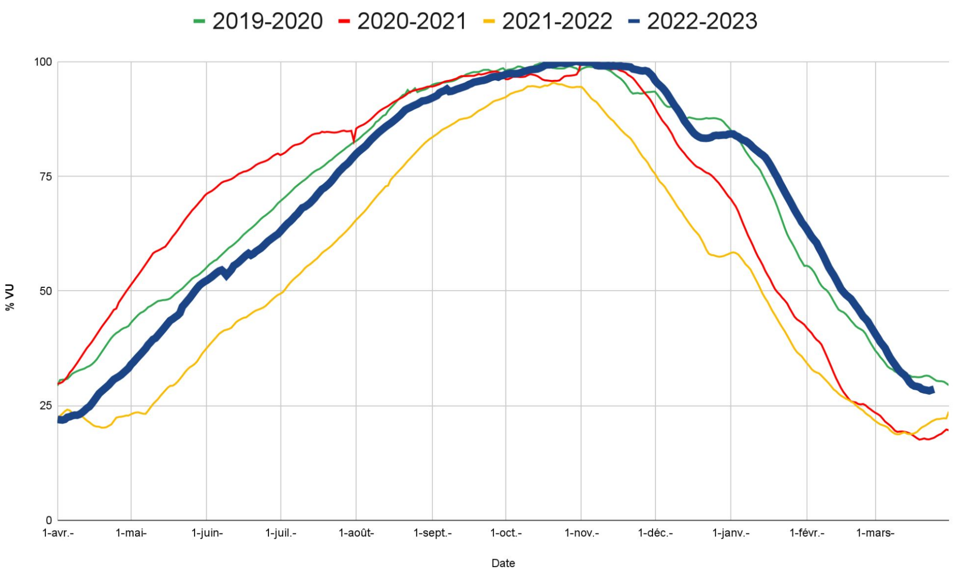
LOOK BACK AT STORAGE ACTIVITY

Volume in stock

TERÉGA



FRANCE



Since October, the level of gas in storage has remained historically high
Since the beginning of February, withdrawals have been remaining strong

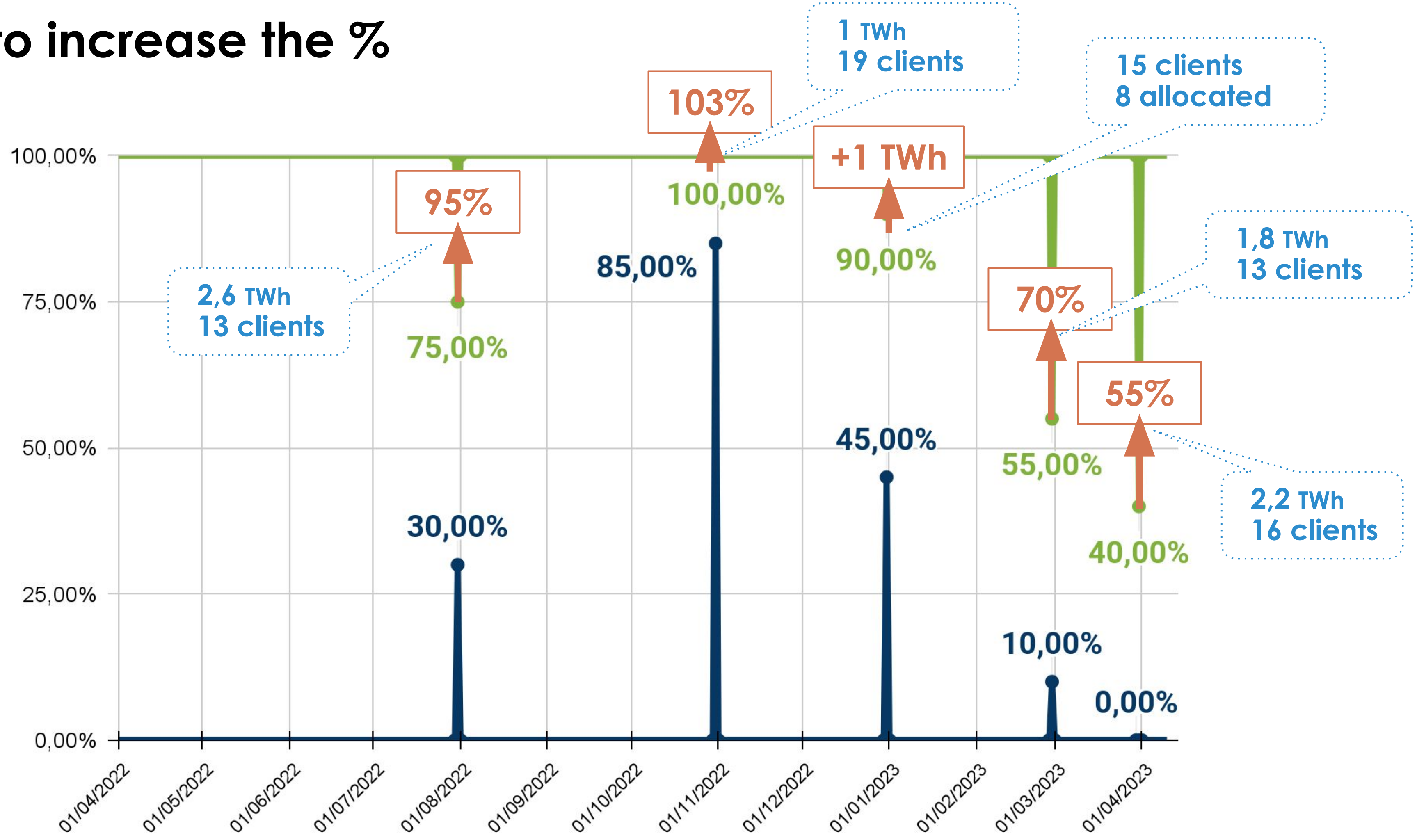
LOOK BACK AT STORAGE ACTIVITY: Additional Services

Additional services to increase the % of gas in stock

Flexible gates SUBSCRIBED

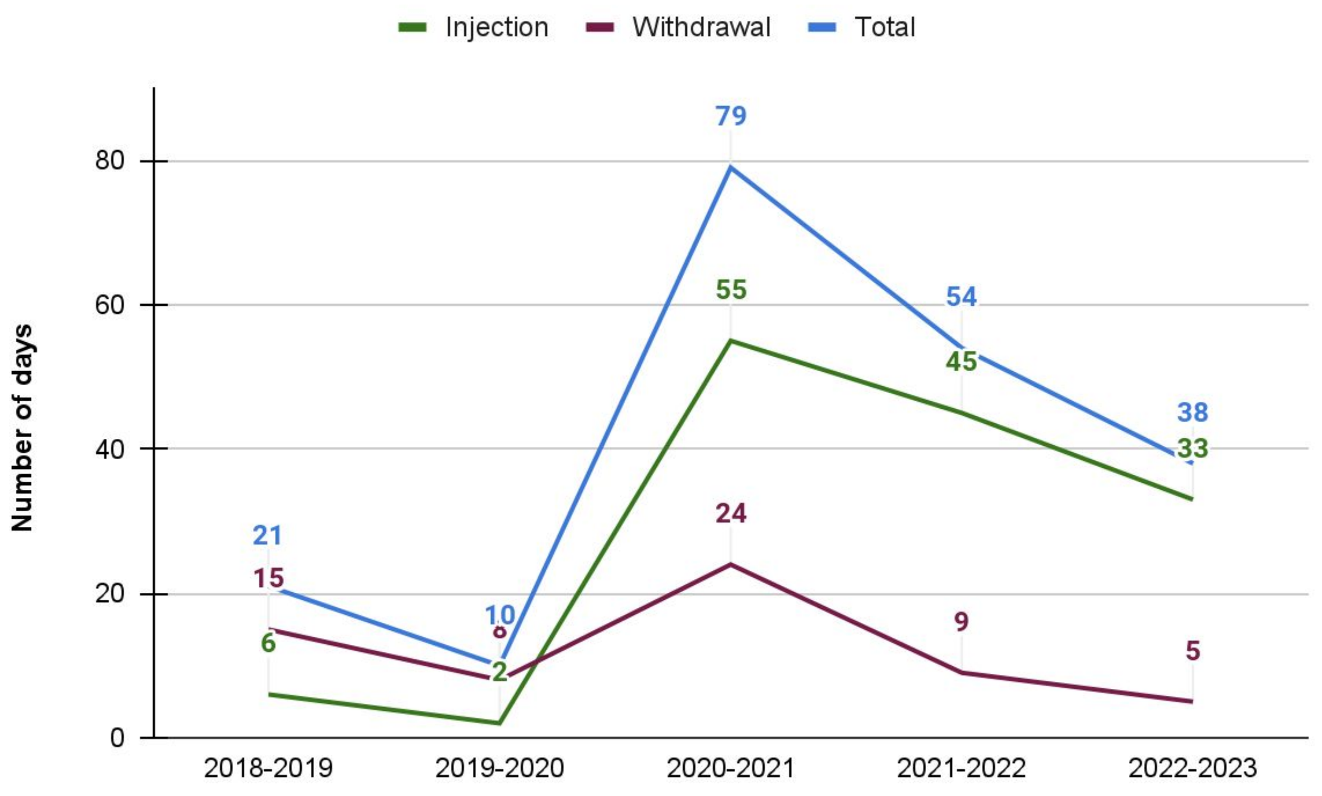
To take advantage of market conditions

103% SUBSCRIBED



LOOK BACK AT STORAGE ACTIVITY

Number of days with a demand greater than 90% of the nominal capacities



Main Highlights

Teréga storage less stressed at extreme values than the last 2 years

10% of the time, the storage is requested at more than 90% of the total nominal capacities

The decrease is essentially linked to congestion on the TRF

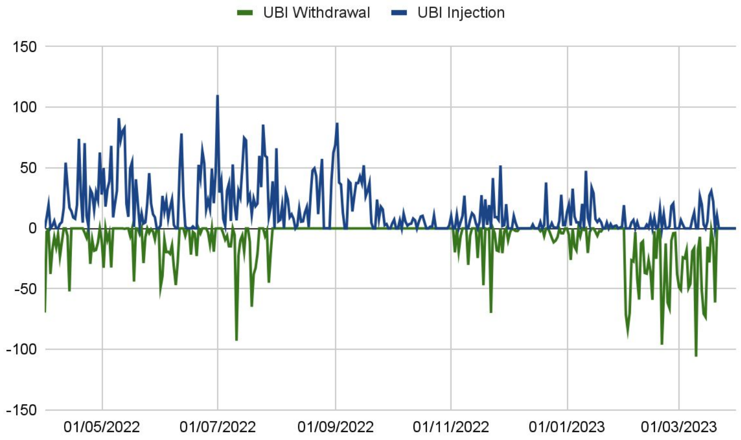
LOOK BACK AT STORAGE ACTIVITY: Additional Services

UBI SUBSCRIBED

Get more flexibility

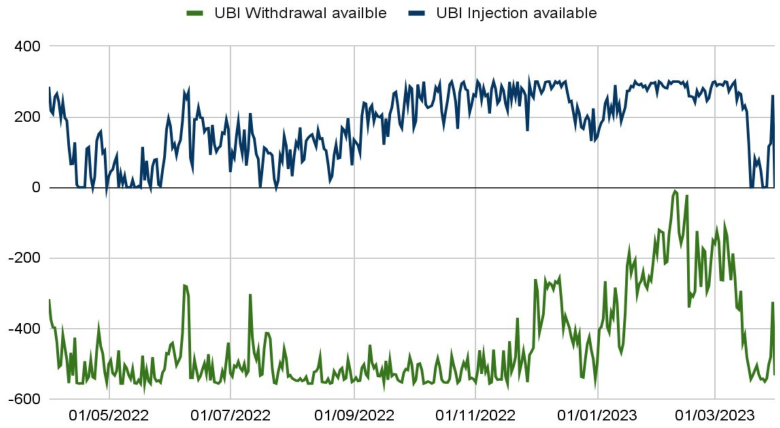
22 CUSTOMERS

UBI used



More than 8 TWh have been allocated thanks to UBI

UBI available



There is still UBI available almost every day

LOOK BACK AT STORAGE ACTIVITY: Additional Services

Booster Injection

SUBSCRIBED

Inject faster and faster

8 CUSTOMERS

Booster subscription increased from last year (x2)

Financing gas in storage

SUBSCRIBED

Optimize Storage costs

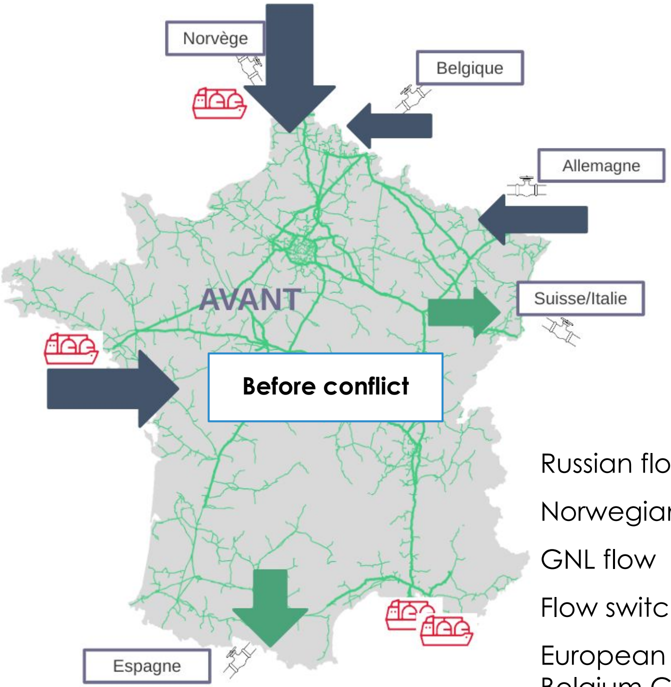
3 TWh Concerned

03. UPCOMING CHANGES 2023-2024

Gabriel ANDRE Head of Transport and Storage Business service

SECURITY OF SUPPLY 23/24

Russo-Ukrainian conflict - End of Russian gas importations



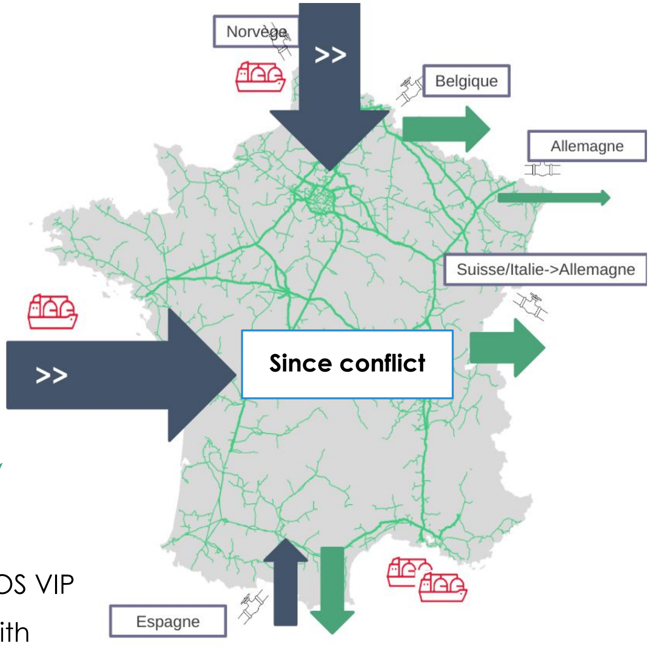
Russian flow

Norwegian flow

GNL flow

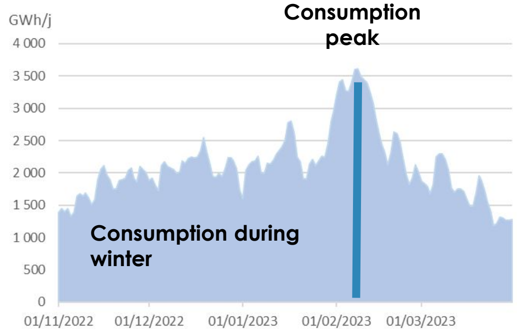
Flow switch at PIRINEOS VIP

European solidarity with Belgium Germany and Italy



Assure security of gas supply to French consumers

This sobriety plan will help to reduce gas transmission grid imbalance - PEG market



Secure a volume and winter consumption peak

SECURITY OF SUPPLY 23/24

Regulatory package set up by TSOs to ensure security of supply

3 regulatory mechanisms

CONSUMPTION REPARTITION
Conso > 30(0) MWh/y

GUARANTEED INTERRUPTIBILITY
Conso > 5 GWh/y
+ CJS > 20 MWh/d

SELECTIVE CURTAILMENT
Conso > 5 GWh/y

− Level of transmission grid stress and imbalance +

RÉPUBLIQUE FRANÇAISE
Liberté
Égalité
Fraternité

Energetic sobriety plan

Still relevant for 2023-2024

May-June 2023:
Investigation campaign about consumption repartition and selective curtailment

113 PICs

TRANSPORT: Pirineos VIP update - 40 GWh/d

Main Highlights

In Entry since November 1st 2022 :
Capacity increase at Biriatou

+40 GWh/d

➔ For 2023 - 2024

- **Firm capacity: from May to Oct**
- **Interruptible* capacity: from Nov to April**

* Discount = 50%

TRANSPORT: Pirineos VIP Update - Available Capacity

Entry from Spain

Summer 2023

April **Firm** = 0.2 GWh/d + interruptible = 40 GWh/d (discount = 50%)

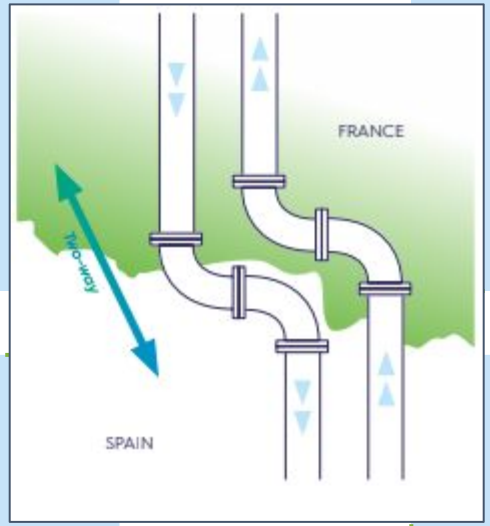
May-Sept **Firm** ≃ 40 GWh/d

- Offered as M, DA & WD products in May and June
- Offered as Q, M, DA & WD products from July to Sept.

Gas Year 2023/2024

Firm = 134,5 to 188,4 GWh/d

Interruptible* = 40 GWh/d from Novembre 23 to April 24



Exit to Spain

Summer 2023

Firm = 80.5 GWh/d

Interruptible* = 60 GWh/d

Gas Year 2023/2024

Firm = 80.4 to 90.4 GWh/d

Interruptible* = 60 GWh/d

* If 98% of firm sold

TRANSPORT: What's new from April 1st 2023

Transmission contract as of 1st of April 2023

New tariffs

➔ **PITS:**

PITSE
+2% to **9,22 €/MWh/j**

PITSL
+2% to **21,53 €/MWh/j**

➔ **PS:**
+2% to **95,2 €/MWh/j**

➔ **PITD:**

TCR: +2,7%
TCL: +2,7%

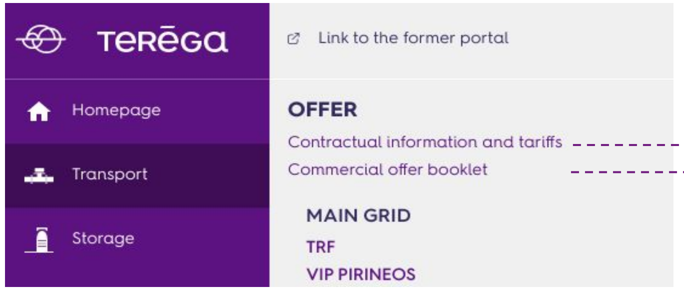
➔ **PIC:**

TFL: +2,7%
TCR: +2,7%
TCL: +2,7%

New tariffs for PIRINEOS VIP as of 1st of October 2023

➔ PITTE +2% to **105,7 €/MWh/j** ➔ PITTL +2% to **587,2 €/MWh/j**

Teréga Portal Informations



New tariffs

New commercial offer booklet
& users guides

TRANSPORT: Potential TRF evolutions

Congestion Management

Context will change next winter:

FSRU "Le Havre":

+120 GWh/j
Upstream SN3 limit

First Triggers:

- Imbalance management
- Stop of sales and cut of interruptible capacity
- Cut of UIOLI storage service - Lussagnet and Atlantique
- Storage operational swap
- Flow Commitment

Locational Spread:

- Global daily envelope increased
- UIOLI Open on Dunkirk

Mutualised restriction applied:

- On the Storage - Stade 1
- On LNG terminals and PIRI - Stade 2

Last resort mechanisms

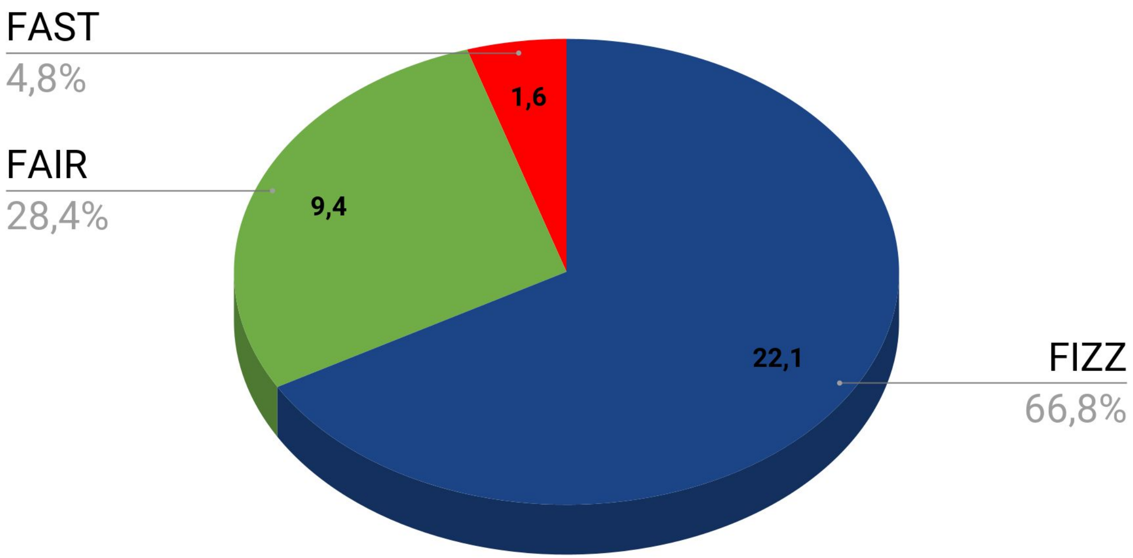
Public Consultation launched in June

STORAGE: Auction 2023-2024

100% of capacities sold

Auction Revenues:

89,5 M€



Main Highlights

14
Auctions

28
Beneficiaries

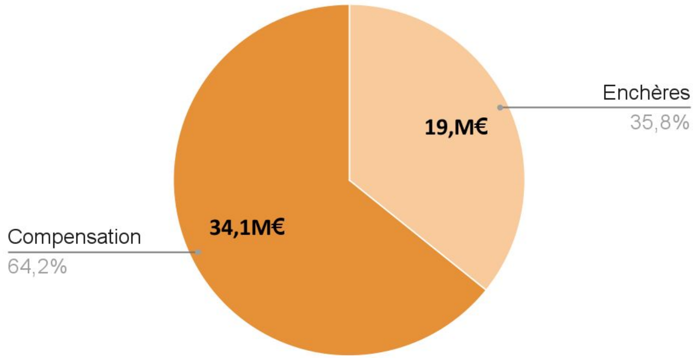
93%
Loyalty Rate

2,70 €/MWh
Weighted Price
(weighted spread summer/winter : 0,06 €/MWh)

STORAGE: Auction 2023-2024

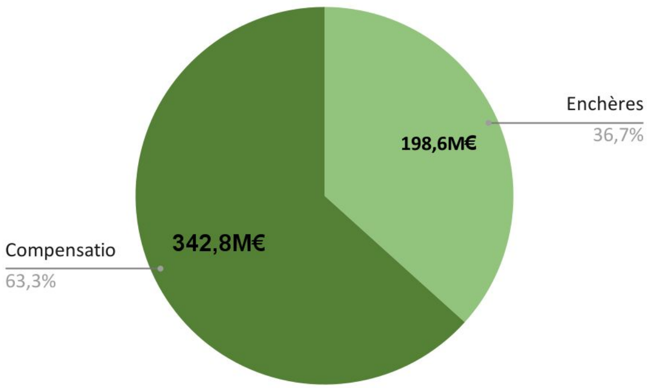
Géométhane 2023

Revenus autorisés : **53,1 M€**



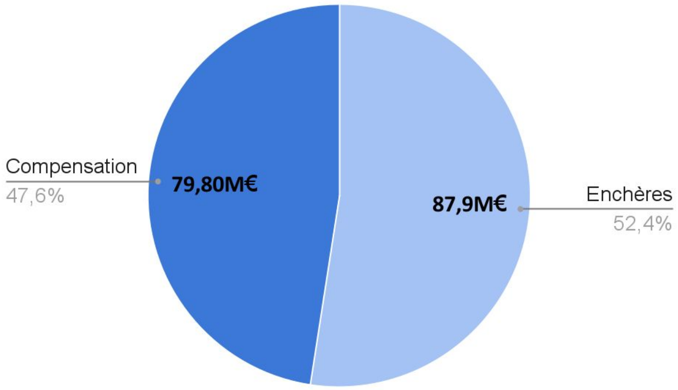
Storengy 2023

Revenus autorisés : **541,4 M€**



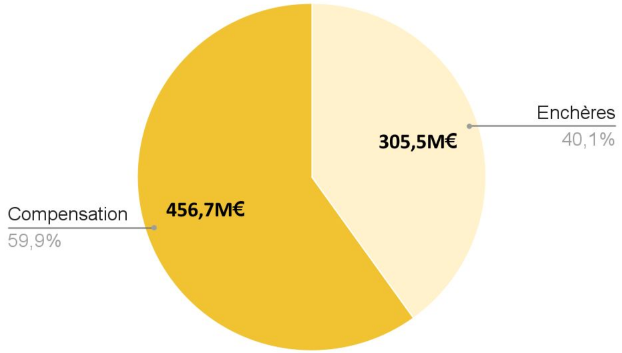
Teréga 2023

Revenus autorisés : **167,7 M€**



France 2023

Revenus autorisés : **762,2 M€**



STORAGE FILLINGS

Today:

➔ **Minimal stocks** necessary for Security of Supply for winter 23/24 are reached

- Storage market campaign ended successfully
- Threshold at 1845 GWh/d withdrawal peak rate

Summer 23: storage fillings

➔ **Gas Storage Act** by EC, trajectory 2023

2023

41% February
7% May
35% July
81% September
90% November

STORAGE: New Additional Service

Volume +

SUBSCRIBED

To increase Maximum Stock Level between April 1st 2023 and 31st March 2024

- **Only for customers holding capacity : SY 23/24**
- **Allocation:**
  - auction in one round,
  - pay-as-bid,
  - reserve price = 0.3€/MWh
- **Volume only ⇒ injection and withdrawal rates remain**
- **MIN and MAX levels for each gate remain linked to standard products**
- **No limitation on volume booked above standard products (> 100%)**
- **Billing: one bill on M+1 after auction**

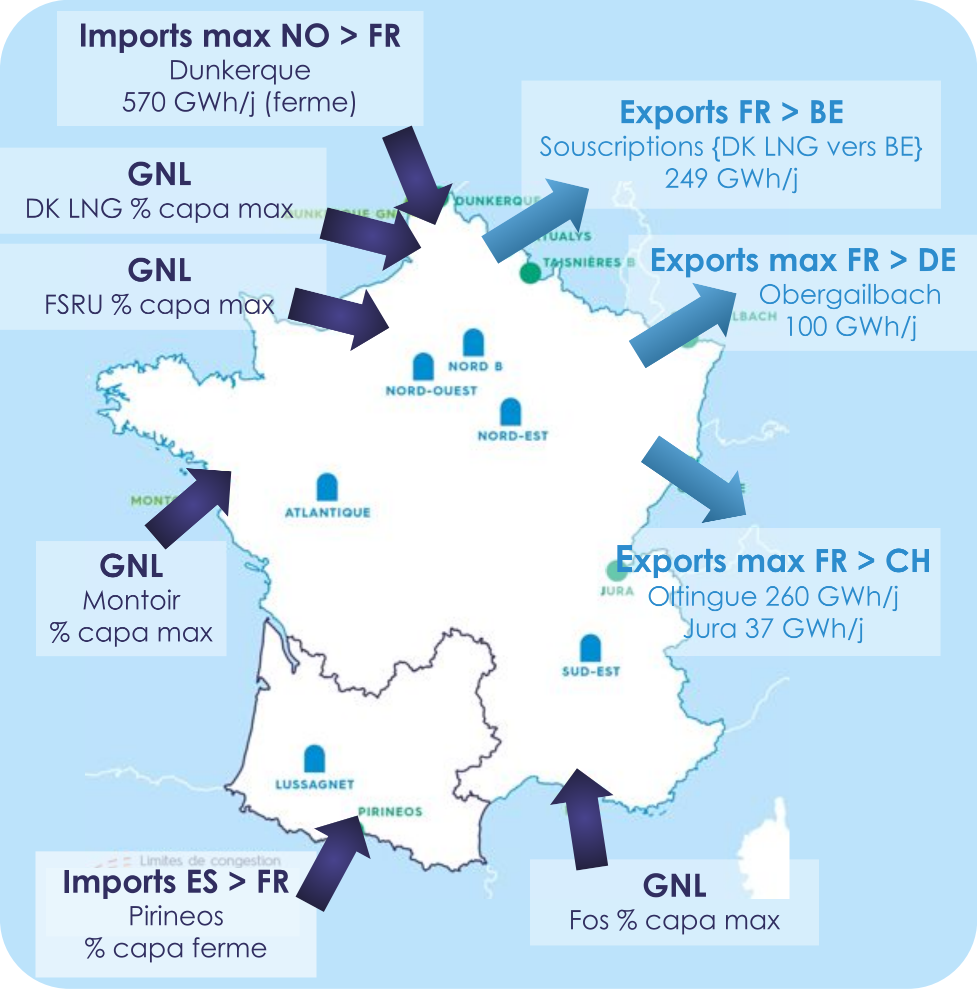
500 GWh already marketed in March

17 participants

4 customers

Additional volume possible later this summer

SUMMER OUTLOOK



Stock H at 31/10 (% VU)			
% use of Pirineos & PITTM capacities	100%	90%	80%
Cold Summer (2016)	>99% 🙂	97% 🙂	76% ☹
Average 5 summers (2017-21)	>99% 🙂	>99% 🙂	84% ☹

- 🙂 *All regulatory crossing points are respected.*
- 😐 *Intermediate waypoints are not respected, but waypoint 31/10 is.*
- ☹ *The crossing point 31/10 is not respected.*

Main Highlights

Network limits do not constrain the filling of storages.

➔ Sustained use of the Dunkirk, Pirineos & PITTM entry Points is necessary for a good level of storage filling

SUMMER OUTLOOK

- **Strong SoS challenge** on maximizing stock levels at the end of summer
- Filling of all storages at the end of October is **technically possible**
- Filling of storages assumes that the Dunkirk, Pirineos and PITTM entries are **used at close to Max all along the season**
- **Sobriety efforts must continue** to be able to cover consumption AND to fully fill storage
- **S>N limits** might be reached during maintenance (if low imports from Norway) without impact on Summer fillings

04. TRANSPORT & STORAGE OFFER 2024-2025

Julian KHAYAR Transport and Storage Account Manager

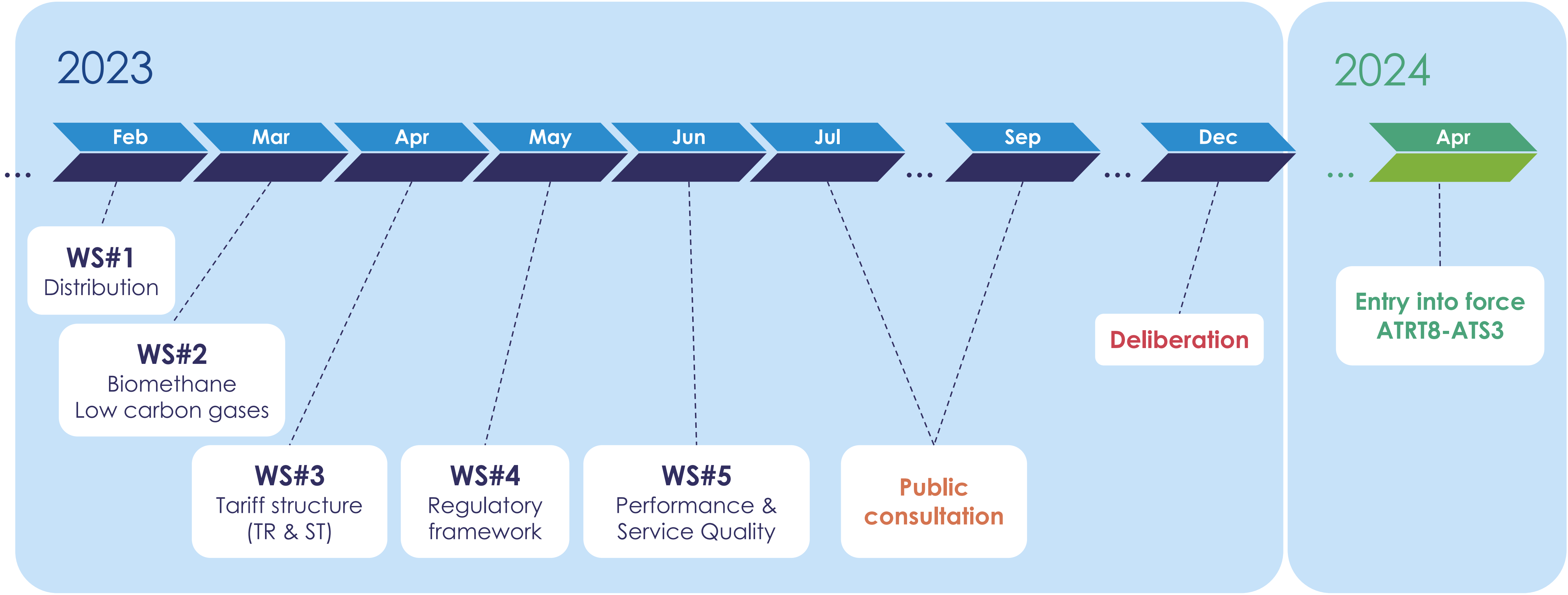
Fabrice CONQUES Transport and Storage Account Manager

A few words about next tariffs

Youssef CHEKLI Head of Tariff Economics and Regulatory affairs Department

ATRT8-ATS3 tariffs under preparation - *Entry into force on April, 1st 2024*

Indicative milestones - CRE planning



ATRT8-ATS3 tariffs under preparation - *A challenging new context*

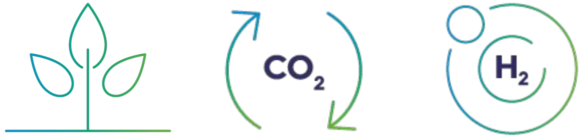
New context must be taken into account

Inversion of flows at Pirineos : SP→FR

➔ End of long term contracts

➔ Additional constraints on Storage operators

Energetic transition



Future of gas infrastructures

ATRT8-ATS3 : first step to securise the regulated business & initiate the transition

ATRT8-ATS3 tariffs under preparation - *Teréga's positioning*

Teréga asking for Commercial/Regulatory innovation

Flexibility
on structure and regulatory framework

Volume + offer, Flexible gates, Auction calendar …

Implicit Allocation at VIP Pirineos

Transport Offer

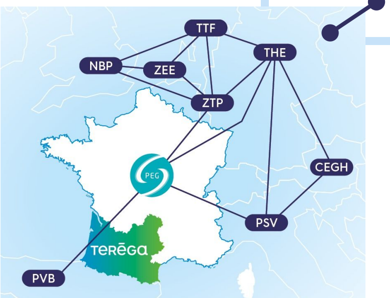
Julian KHAYAR Transport and Storage Account Manager

Transmission commercial innovation - *Implicit allocation at PIRINEOS VIP*

Art. 2.5 & 3.6 - CAM ⇒ **Where implicit capacity allocation methods are applied, national regulatory authorities may decide not to apply Articles 8 to 37**

Shipper A

Shipper A trigger implicit allocation option at Pirineos VIP



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Terega validate Shipper A capacity booking

1

Trading of gas molecule arranged by broker - OTC market

2

Teréga

Broker

3

Broker provides to the TSO:
- Transparency on process
- Shipper's IAM capacity request

Shipper B

Shipper B can also trigger IAM option

Transmission commercial innovation - *Implicit allocation at PIRINEOS VIP*

Advantage of Implicit allocation

- Besides PRISMA auctions and not in competition. Adding of **192 potential days** of capacity selling.
- More times when capacity is in the money: catching market opportunities at every time lead to market liquidity increase.
- Flexibility for the shippers and reduce delay between transaction and capacity booking: lowering risk and leading to security of supply.

Key points

No Auctions premium.

Tarif will not change.

Reduction of publishing time range to increase number of IAM days
⇒ To be discuss with CRE.

Project under discussion with CRE/ACER. Start-up expected in 2nd quarter 2024.

Transmission commercial innovation - *Implicit allocation at PIRINEOS VIP*

Products guide

IMPLICIT ALLOCATION MECHANISM - PRODUCTS GUIDE

PRODUCTS	WHEN ?	CARACTERISTICS
YEAR	15 upcoming years	Fully gas year
SEASON	2 upcoming years	Summer (April-September) 6 months Winter (October-March) 6 months
QUARTER	2 upcoming years	Q4 (Oct-Dec) Q1 (Jan-Mar) Q2 (Apr-Jun) Q3 (Jul-Sep)
MONTH	12 upcoming months	Fully month
BALANCE OF MONTH	Ongoing month *	Remaining days of the current month

* *Available on D+2 from the current day*

TO BE APPROVED

Main Highlights

- Diversification of products: Adding of Non Standards Products
- Up to **50%** of technical capacities of the Pirineos VIP will be available

Greater Flexibility to book capacity at IPS

The func issue process will be finalized soon - ACER discussion is ongoing

Solutions under consideration after workshop survey

- Additional UPAs after ACAs
- Advance booking of M and D capacity products
- More flexibility in the Network Code for further improvements

Other consideration on ACA algorithm

- Price step adjustment

Other consideration 19/12 Solidarity regulation

- Article 14 “Monthly UIOLI”: EC request for more capacity offered for supply routes
  ⇒ derogation in France due to existing UBI and OSBB

Current timeline
EFET FUNC issue

2021 ENTSOG/ACER analyse of solution after 1st market consultation

2022 ENTSOG/ACER Workshop and 2nd consultation

2023 ENTSOG/ACER Func Issue answer and CAM NC proposal for amendments to commission → **Q2**

2024 Approval of NC CAM

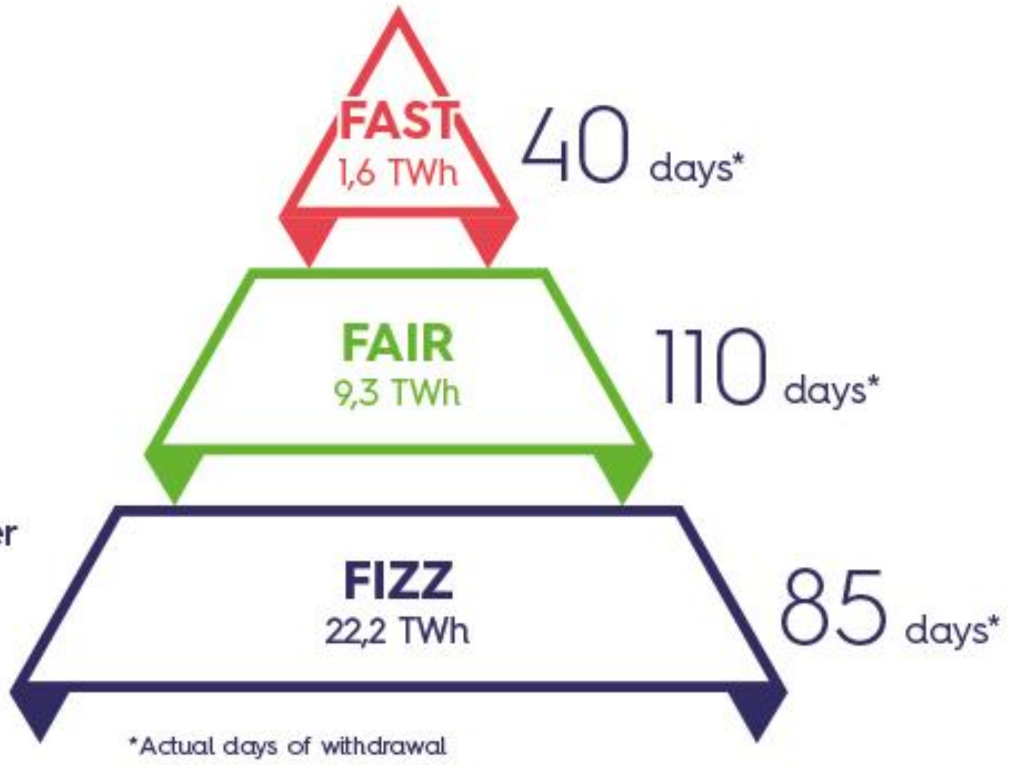
Storage Offer

Julian KHAYAR Transport and Storage Account Manager

Fabrice CONQUES Transport and Storage Account Manager

Teréga's Standard Products Proposed for SY 2024-2025

- **The velocity**
  Reactive product to seize market opportunities
- **The sure value**
  Cyclical product to smoothly manage your storage
- **The basis of our offer**
  Intermediary reference product: the base of our offer



33,1 TWh

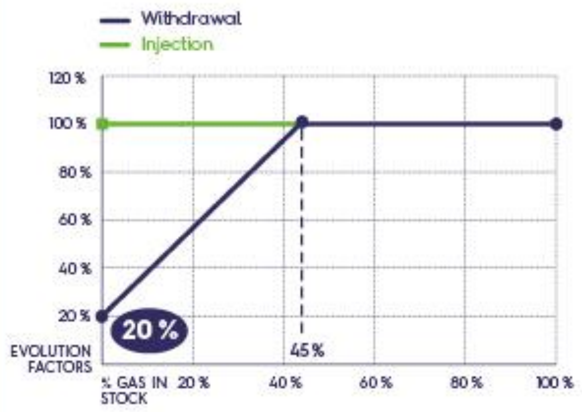
556 GWh/day

110 effective days in Injection

Teréga's Standard Products Proposed for SY 2024-2025

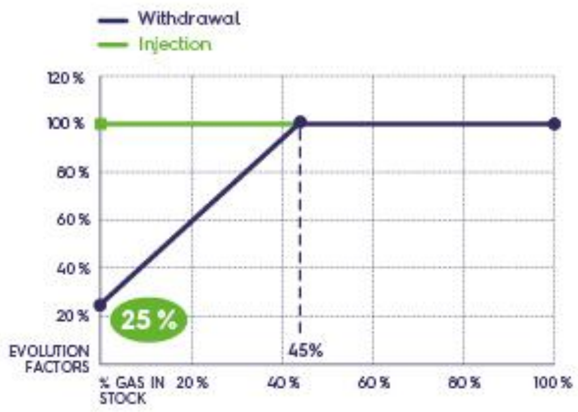
FIZZ 22,2 TWh

Duration (days)	Injection	Withdrawal
Nominal	110	59
Actual	110	85



FAIR 9,3 TWh

Duration (days)	Injection	Withdrawal
Nominal	110	80
Actual	110	110



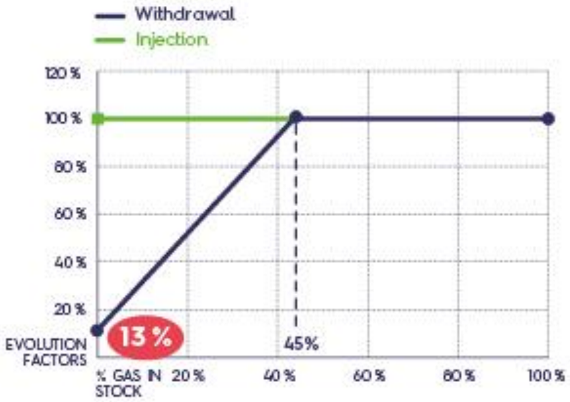
Time constraints: gates

Date	31/07	31/10	31/12	29/02	31/03
Min.	30 %	85 %	45 %	10 %	0 %
Max.	75 %	100 %	90 %	55 %	40 %

Teréga's Standard Products Proposed for SY 2024-2025

FAST 1,6 TWh

Duration (days)	Injection	Withdrawal
Nominal	110	25
Actual	110	40



Time constraints: gate

Date	31/10
Min.	85 %
Max.	100 %

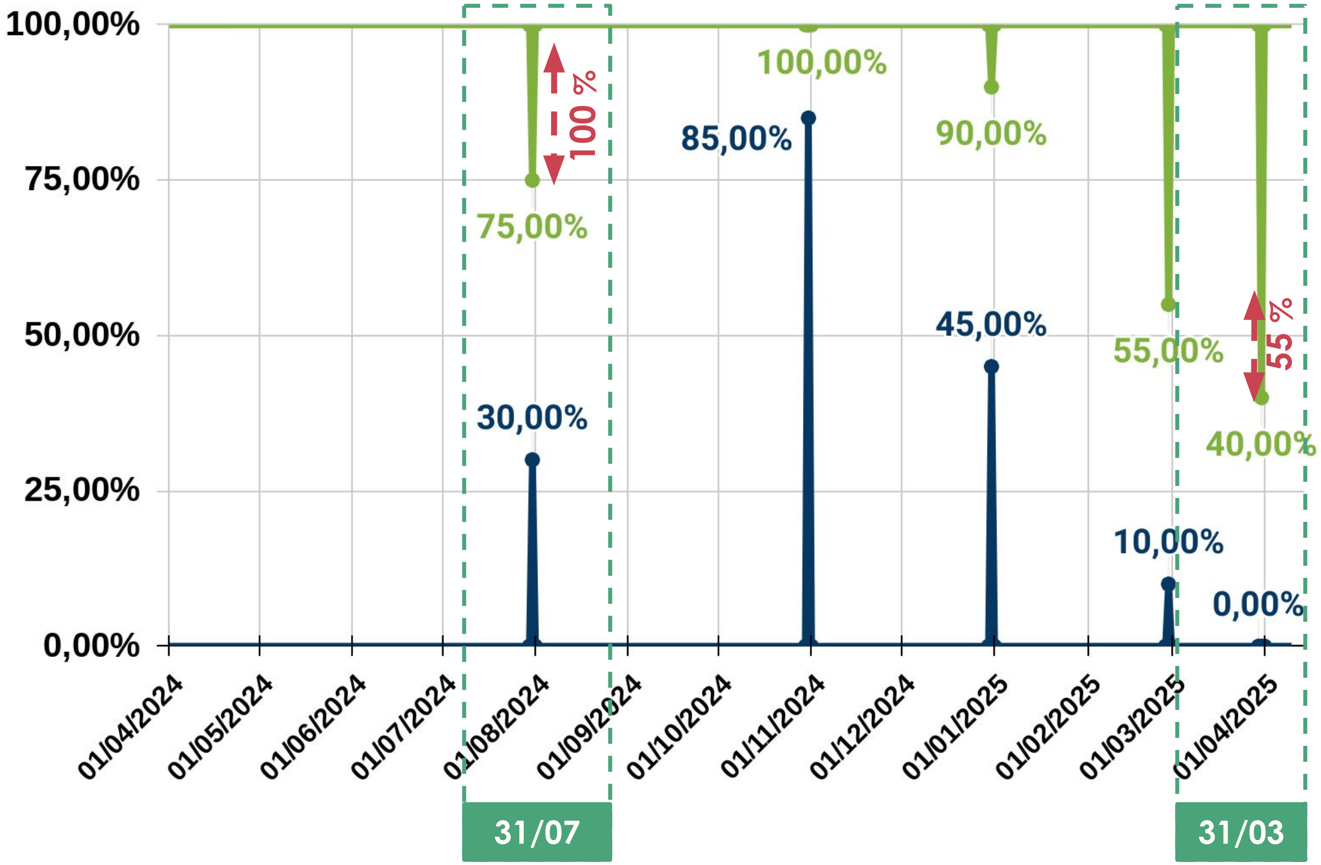
Flexibility: Flexible gates

Adapt to market conditions

Take advantage of wider gates
up to **100 %** in July and
up to **55 %** at the end of March

0.30 €/MWh:
tariff applicable on the total volume of booked capacities

5 % subscription step



Extendable Max Gates 31st July and 31st March

Flexibility: New Flexible gates

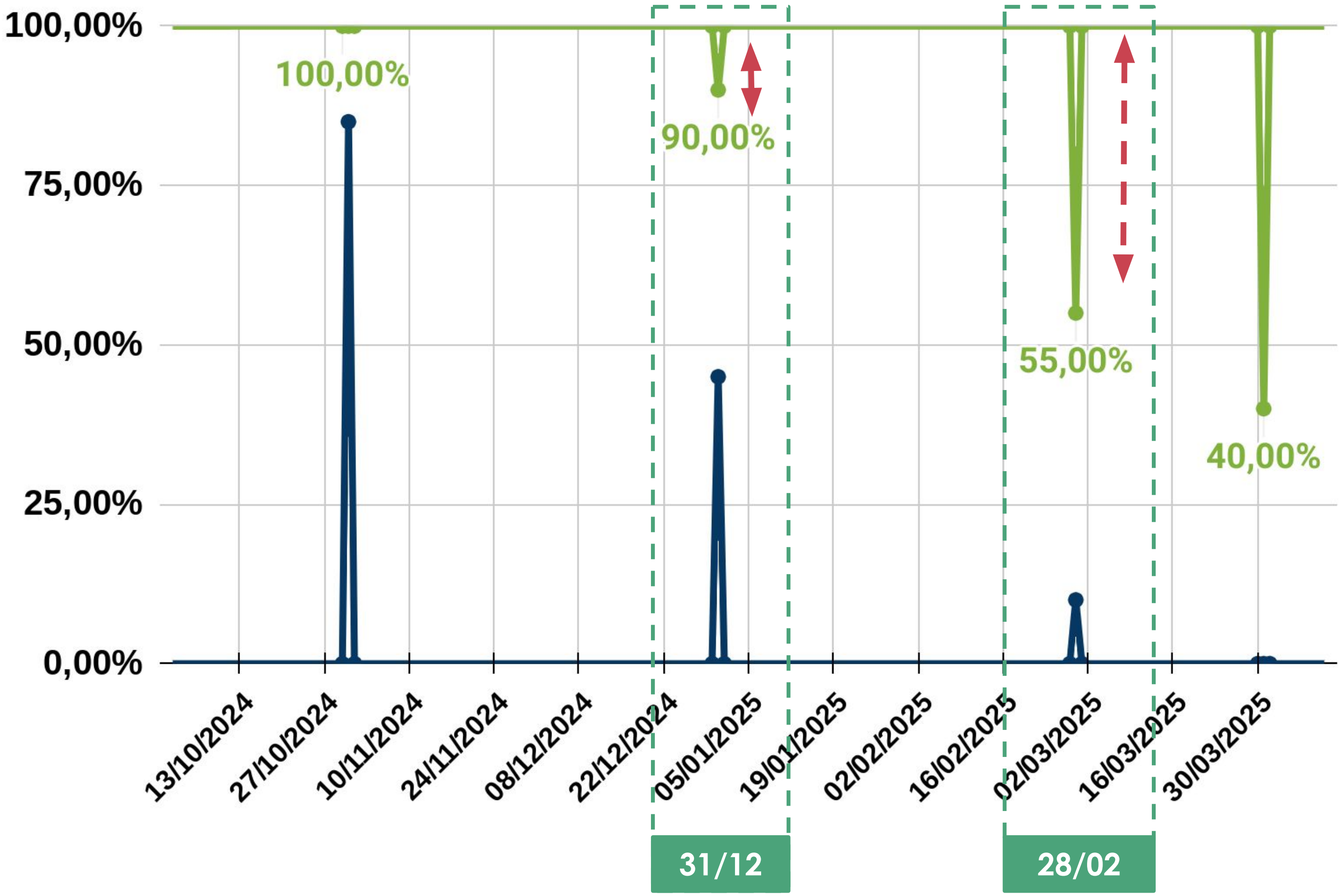
Gates of December 31 and of February 29

500 GWh of additional volume to be injected

Counter of 2 days 1 month before the gate concerned

- Bids = 1 price and 1 volume
- Allocation "pay-as-bid"by decreasing price and pro rata

Reserve price: 0.30 €/MWh



Marketing calendar rules

Since October 2022

➔ Marketing calendar rules were implemented → (CRE's Deliberation N°2022-251)

New

Adapting auctions calendar of storage operators to market conditions all year through

More flexibility to re-market unsold capacities

June and November

Auctions windows disappear, auctions possible anytime

- An auction must be **advertised at least 2 days before** its closing date

January and February

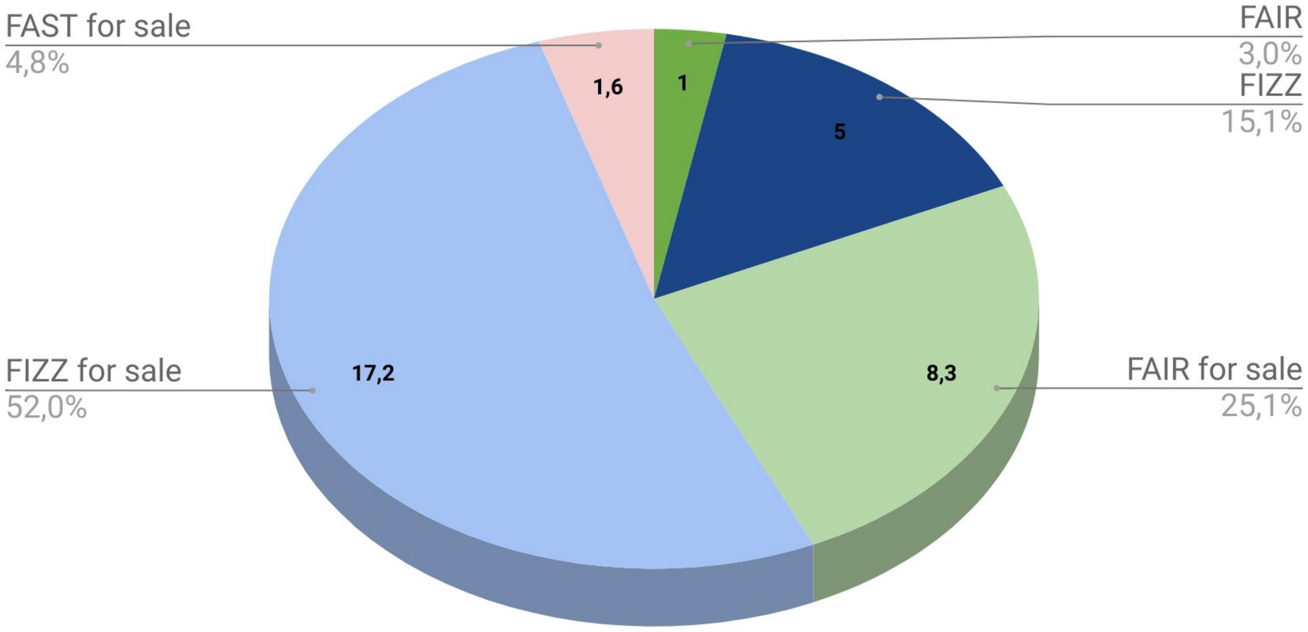
At least 30% of marketable capacity N

- Auctions calendar must be **published a month before** the starting date

Priority to existing auction days (Tue/Wed/Thu) but Monday and Friday also possible if needed

Reserve price = 0 for every single auction of capacity N+1

Marketing campaign for SY 24/25



18 %

Already booked capacity

Plan to reach

70% by the end of 2023,
therefore 17 TWh to auction:

➔ **5 TWh of FAIR**

➔ **12 TWh of FIZZ**

Last 30% in Jan/Feb 2024:

➔ **1,6 TWh of FAST**

Auctions Calendar *

* Could be updated depending on market conditions

Auction day	Time	Product	Storage Year	Volume (GWh)
Wednesday **12 April 2023**	11:00	**FAIR**	**2024 - 2025**	**2 500**
Wednesday **19 April 2023**	11:00	**FIZZ**	**2024 - 2025**	**4 000**
Wednesday **19 April 2023**	15:00	**FIZZ**	**2025 - 2026**	**2 000**
Wednesday **7 June 2023**	11:00	**FIZZ**	**2024 - 2025**	**4 000**
Wednesday **7 June 2023**	15:00	**FAIR**	**2025 - 2026**	**2 000**
Thursday **12 October 2023**	11:00	**FAIR**	**2024 - 2025**	**2 500**
Thursday **19 October 2023**	11:00	**FIZZ**	**2024 -2025**	**4 000**
Thursday **9 November 2023**	11:00	**FIZZ**	**2026 - 2027**	**1 000**
Thursday **9 November 2023**	15:00	**FIZZ**	**2027 - 2028**	**1 000**

Teréga will stick to this calendar unless strong negative market conditions.

Visibility will be given as much as possible for future auctions in 2023 (both N+1 and pluriannual).

05. CUSTOMER SUPPORT

Quality of Service & New Features & Maintenances

Philippe GUNST Head of Customer Service Department

Quality of Service

Philippe GUNST Head of Customer Service department

REQUESTS AND CLAIMS ANALYSIS

COMMISSION DE RÉGULATION DE L'ÉNERGIE

176

requests and claims*

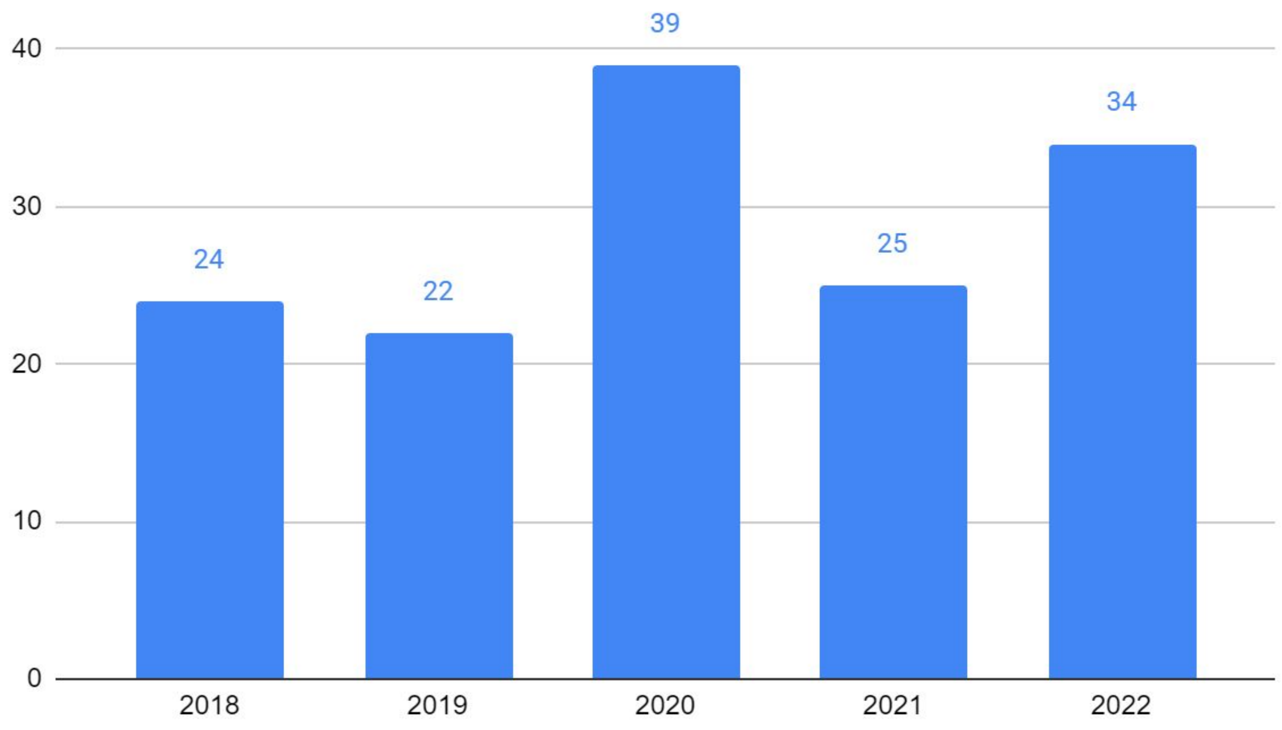
vs 160 in 2021

0,78 day:

average response time

vs 0,82 in 2021

Number of well-funded claims



* Any request questioning the validity of the technical or contractual data transmitted by Teréga

MAIN CRE KPI FOR METERING QUALITY SERVICE

COMMISSION DE RÉGULATION DE L'ÉNERGIE

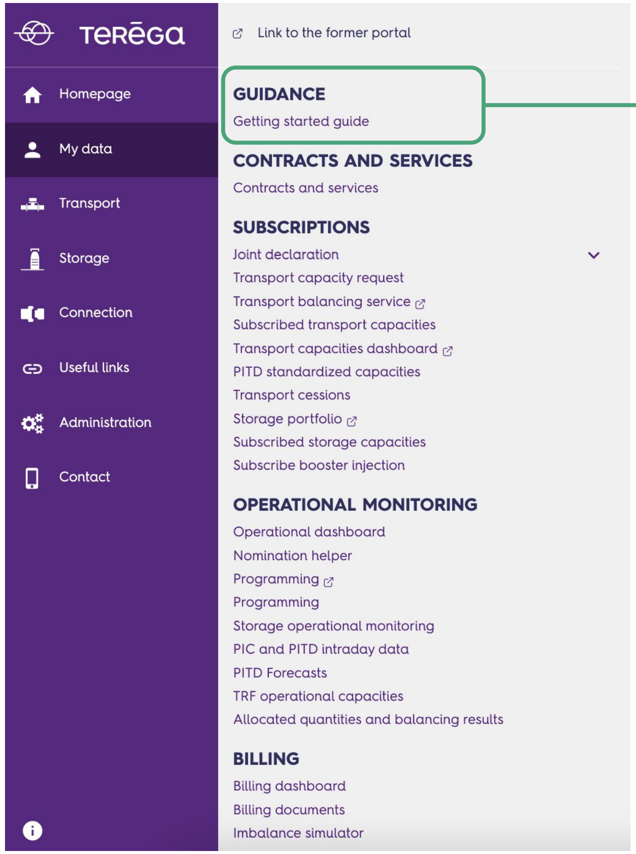
	2022	RULES
PITD Transport-Distribution Interface Point	**100%** of conform days 365 conform days on 365 *vs 98,4% in 2021*	**2%** tolerance on global PITD quantity between data transmitted daily and monthly
PIC Customer Interface Point (Industrial)	**98,8%** of very high quality data about 3700 data each month *vs 98,7% in 2021*	**1%** tolerance on every PIC quantity between data transmitted daily and monthly (for very high quality)
Intra-D Hourly Publication (industrial customers)	**98%** of very high quality data about 17 700 data each month *vs 97% in 2021*	**1%** tolerance on every PIC quantity between hourly data transmitted daily and monthly (for very high quality)

New Features

Philippe GUNST Head of Customer Service Department

GUIDANCE

NEW : Getting started guide



NEW PUBLIC SCREENS

Link

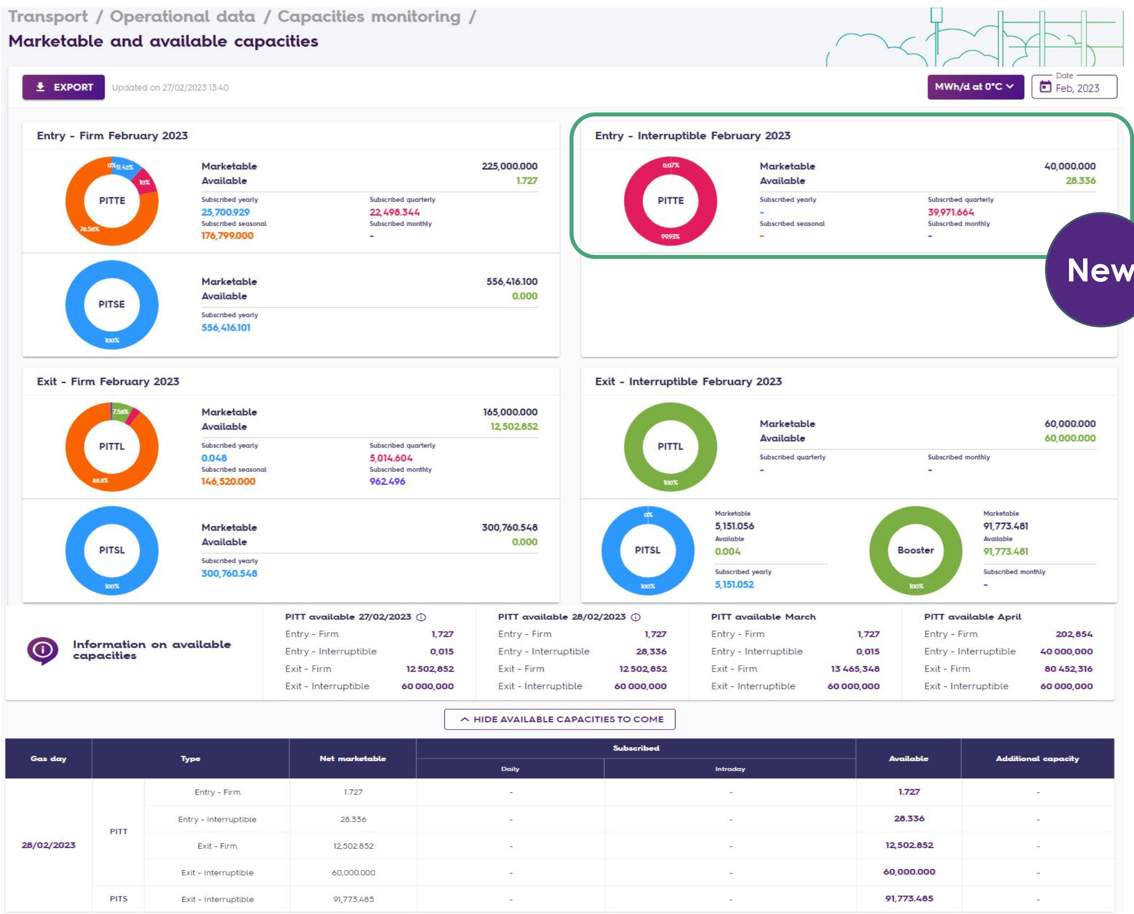
Marketable and available capacities

Monitoring transport capacities

Marketable, available and subscribed capacities

Available capacities to come : D+1&2 ; M+1&2

Monitoring by gas day : from the beginning of the month



NEW PUBLIC SCREENS

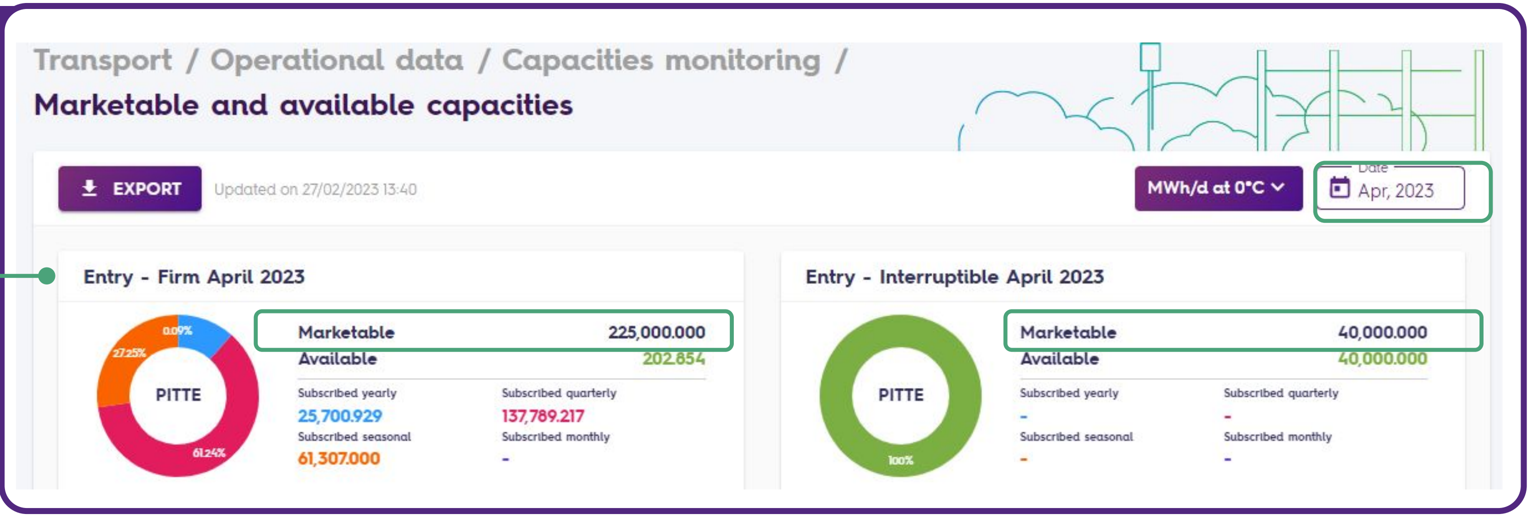
Link

Marketable and available capacities

VIP Pirineos Entry

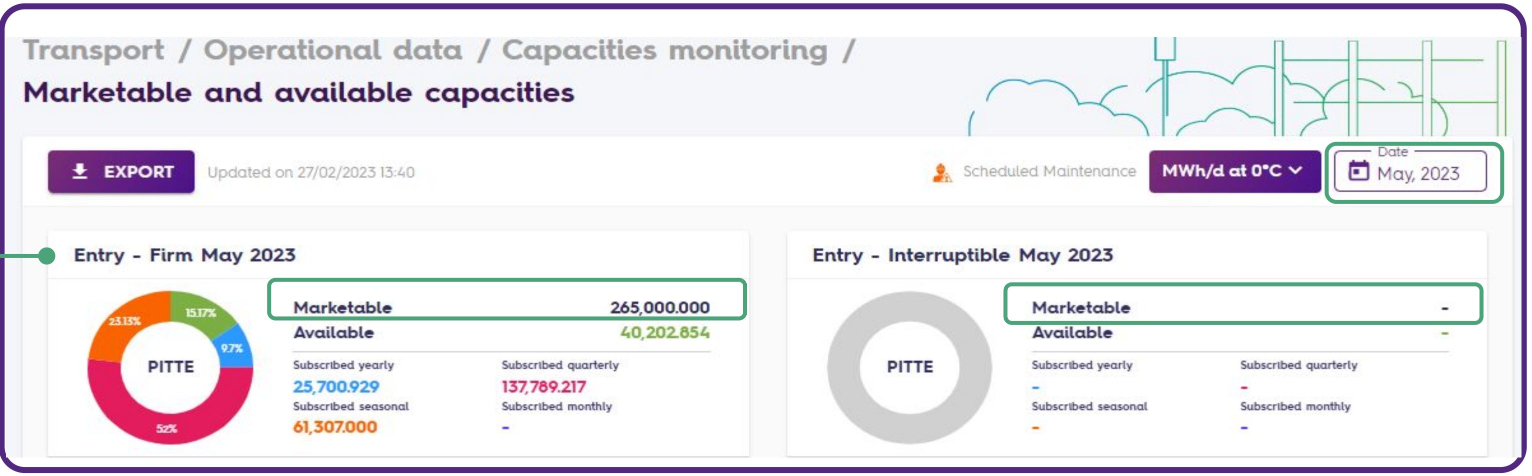
From November to April:

- 225 GWh firm
- 40 GWh interruptible



From May to October:

- 265 GWh firm
- 0 GWh interruptible

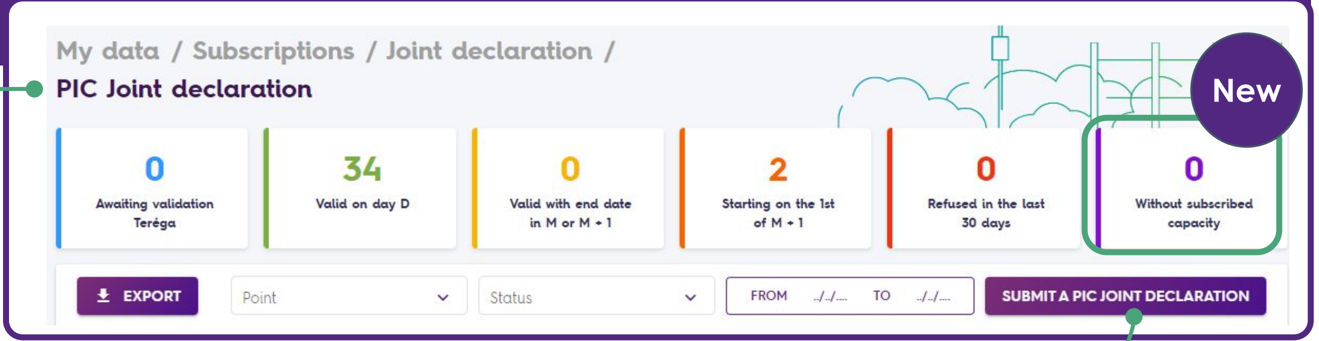


NEW PRIVATE SCREEN: 2023 - End of Tetra

Link

PIC joint declaration

Monitoring awaiting validation Teréga, valid on day, valid with end date in M or M+1, without subscribed capacity



Submit a PIC joint declaration

Transport capacity request

Monitoring requests refused, annual PIC capacities subscribed ending in M or M+1, PIC requests under study

New

Submit a PIC capacity request

NOMINATION HELPER: PITT Pirineos

Link

Nomination helper PITT

Calendar : to access to past data

Available Capacities

UBI disponibility New: Entry and Exit

PITT Mismatch

Facilitate your PITT nomination

Coming soon

NOMINATION HELPER: PITS Lussagnet (LUG)

Link

Nomination helper PITS

Gates: reminder + access to your stock level

Your imbalance TRF

UBI disponibility

Booster information

Facilitate your PITS nomination

Coming soon

NOMINATION HELPER: Scheduled 2023 - Following Ambassador Club

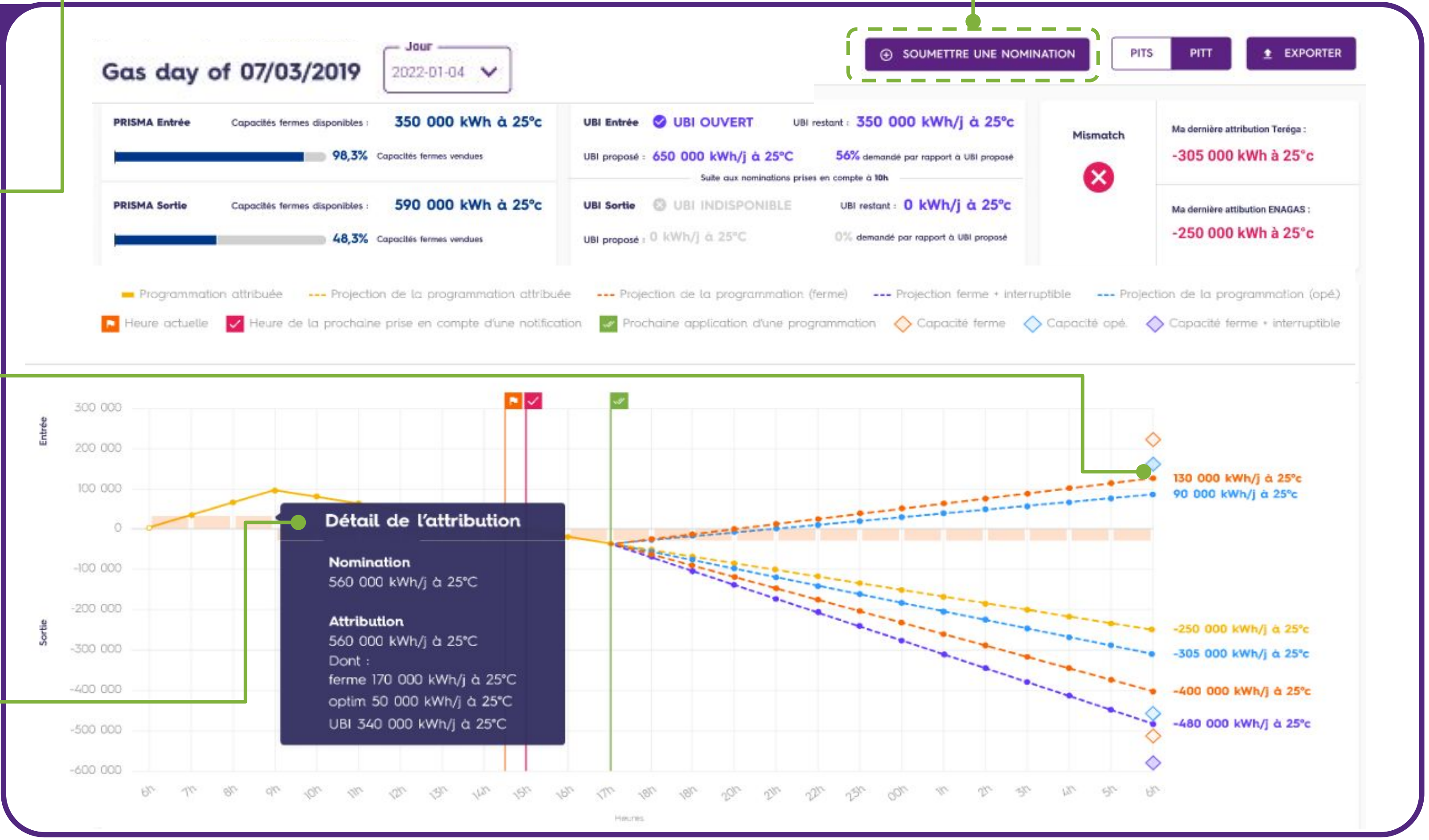
Link

Nomination helper

Carry out your nominations

Add Firm and Interruptible subscribed capacities

Detail of the quantities already allocated by nature (F/I/Ubi etc)



Summer is coming

Maintenances

2023 MAINTENANCES AND REDUCTIONS

Publication regarding impacts on Teréga points

S1 downstream
Superpoint
Lussagnet + Pirineos

E02 downstream
Superpoint
Atlantique + Lussagnet + Pirineos

Local maintenances

15 days of local restriction at PIRINEOS (transport): June

13 days of local restriction at LUSSAGNET (storage): June (12) & September (1)

TRF maintenances

Schedule is published on the **S1** and **EO2** limits which makes it possible to optimize the available firm capacity.

Exits are impacted :

- Injection in Lussagnet/Pirineos Exit
- Interruptible capacities are interrupted
- No exit capacities commercialisation

2023 MAINTENANCES AND REDUCTIONS: Public Informations

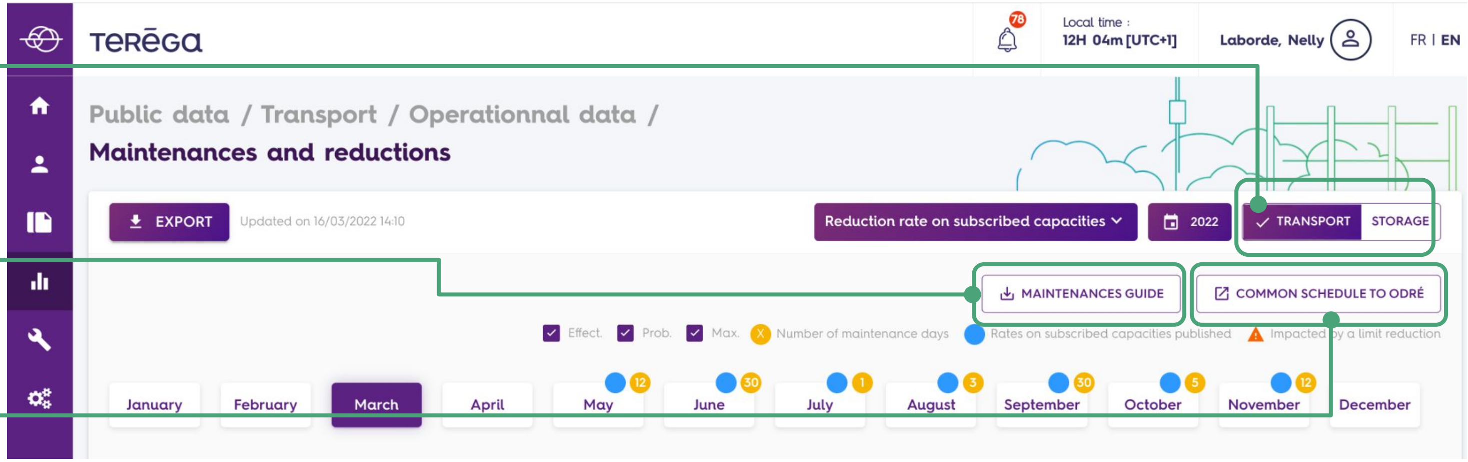
Link

Maintenances and reductions

View transport OR storage

Guides

Direct access to ODRE platform



Maintenance and reductions

API demand

Transport & Storage : available reductions rates and reductions capacities during Transport (Local & TRF) & Storage maintenances.

2023 MAINTENANCES AND REDUCTIONS: Private Informations

Informations about impact on your operational capacities

Portal Private access

➔ **Local PITT:**
My data > Subscriptions > Subscribed transport capacities / My subscribed capacities details / point type PITT / point PITTE-Pirineos or PITTL-Pirineos

➔ **Storage / CLT:**
My data > Operations > Storage operational monitoring

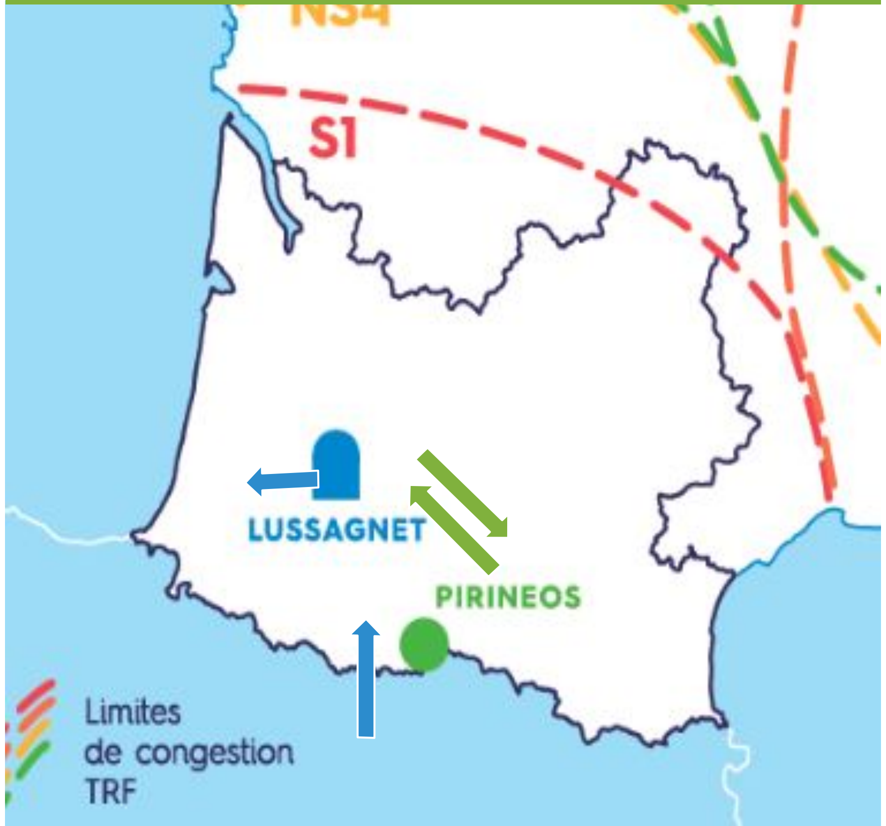
➔ **TRF EO2 & S1:**
My data > Operations > TRF operational capacities

New: your operational restricted capacities at D-1 and D are available on Nomination helper

More details on Maintenance and reduction 2023 guide (p12 ➞ 15)

2023 MAINTENANCES AND REDUCTIONS: Superpoints Optimization

S1 : communicating vessels



EO2 : Transfer of operational capacities

E02 & S1: UIOLI

- Requested as overnomination
- Attributed as interruptible quantity
- First come, first served
- Mutualised with GRTgaz on E02

Consult
Maintenance and reduction 2023 guide
(p18 ➞ 28)
for details and explanations and limitations available

S1 and EO2 ➞ Bonus: Entry at Pirineos or Withdrawal at Lussagnet

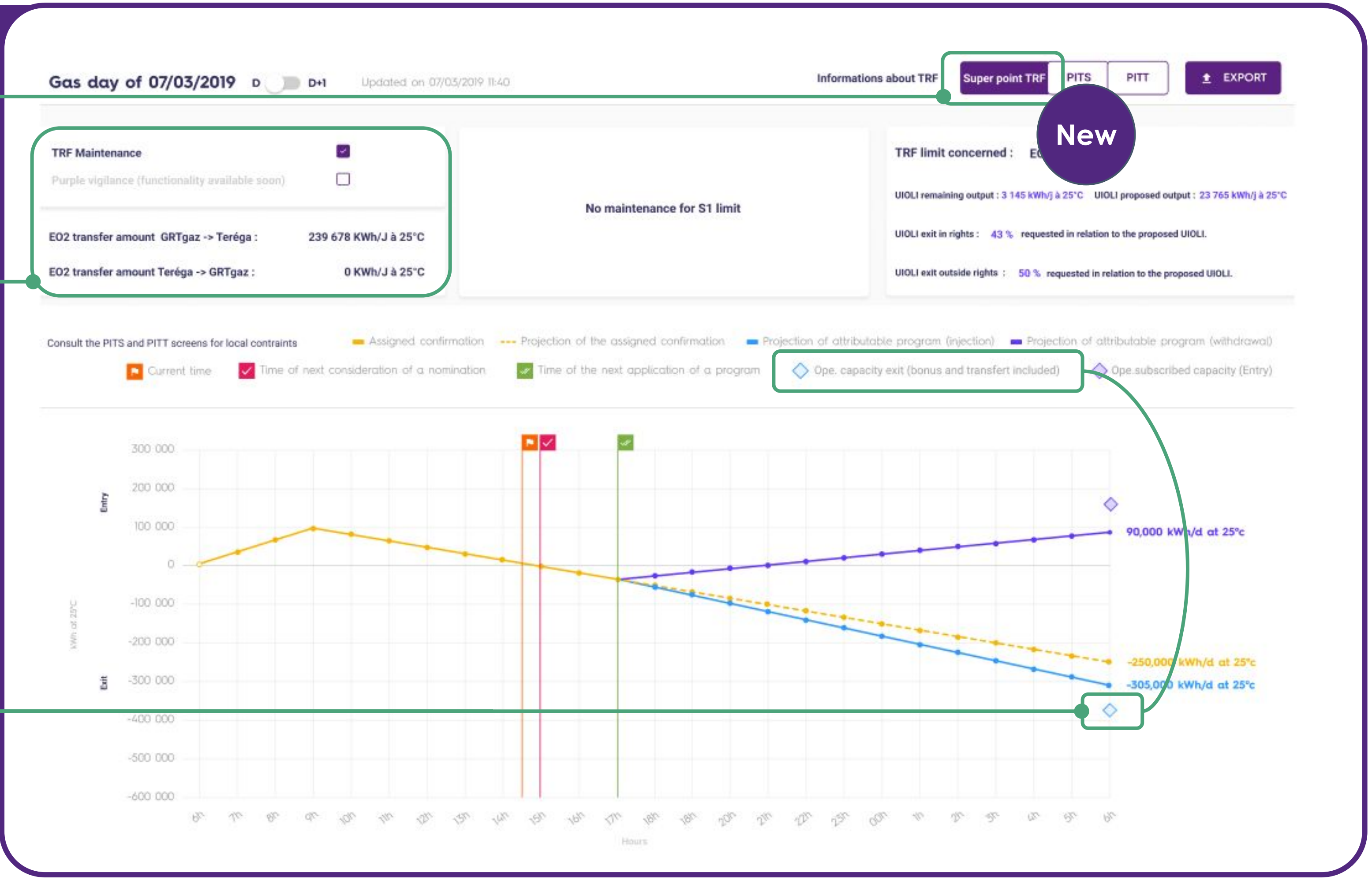
NOMINATION HELPER: 2023 maintenances & reduction: Superpoint TRF

Nomination helper

Available if TRF maintenance day

Maintenances on EO2 and S1 or Rmut

Operational capacity exit



06. CONCLUSION

Gilles DOYHAMBOURE Business and Regulation Director

CONCLUSION AND OVERVIEW

Teréga's biomethane expectations by end 2025: 20 sites injecting around 700 GWh/year

7 operating sites
(+4 in 2022)
350-400 GWh/year

8 signed contracts
(+4 in 2022)
200-250 GWh/year

~8 prospects
(+4 in 2022)
100-120 GWh/year

Biomethane injection vs. gas consumption on Teréga's zone in 2022

1070 GWh/year
Production capacity in South West of France (Transport + Distribution network)

3 %
Average biomethane production vs gas consumption over 2022

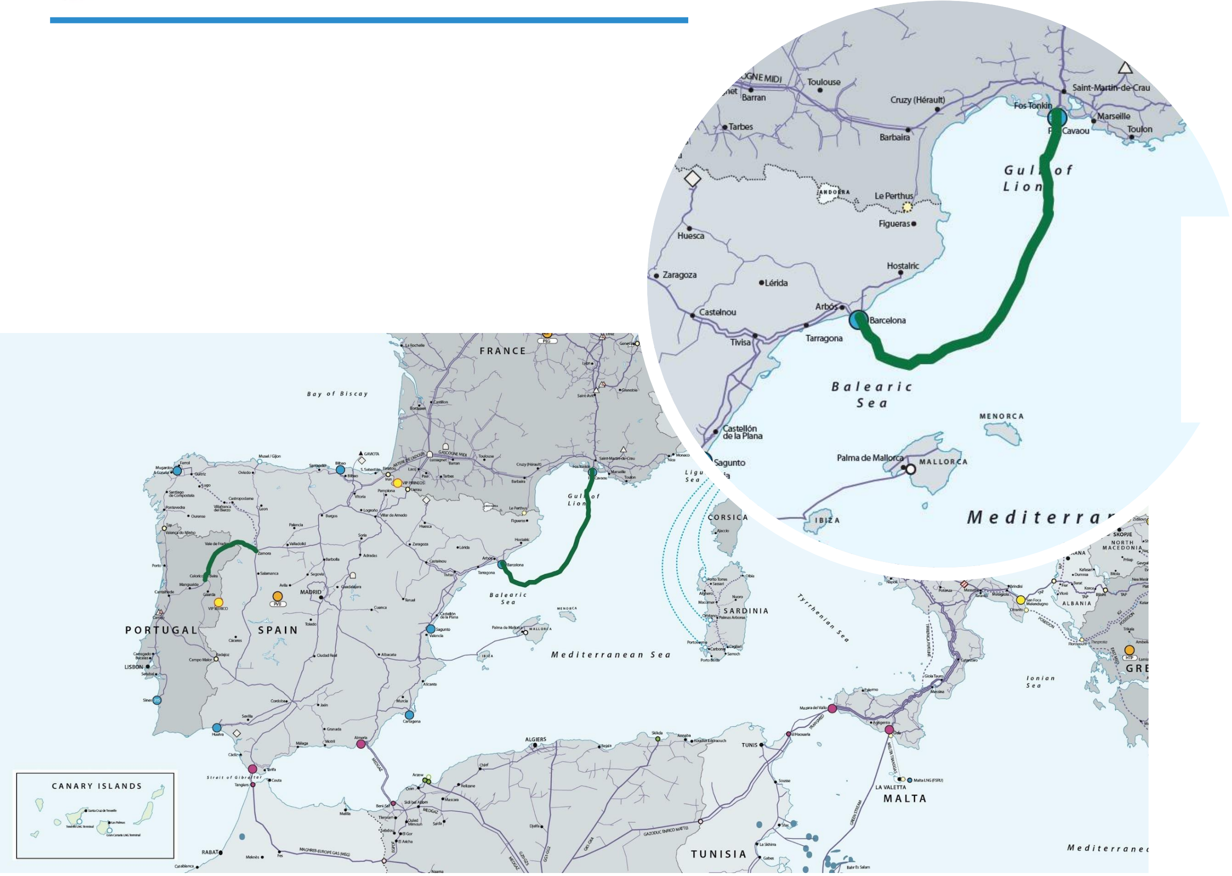
10 %
Peak biomethane production vs gas consumption in August 2022

OUR COMMITMENT ON HYDROGEN DEVELOPMENT INFRASTRUCTURE

H2med

H2-Med BarMar project

REN enagas GRTgaz TERĒGA



Transit of **2 MT** of H_2 **per year**

79 TWh/year (PCS)

which means 10% of European consumption at 2030

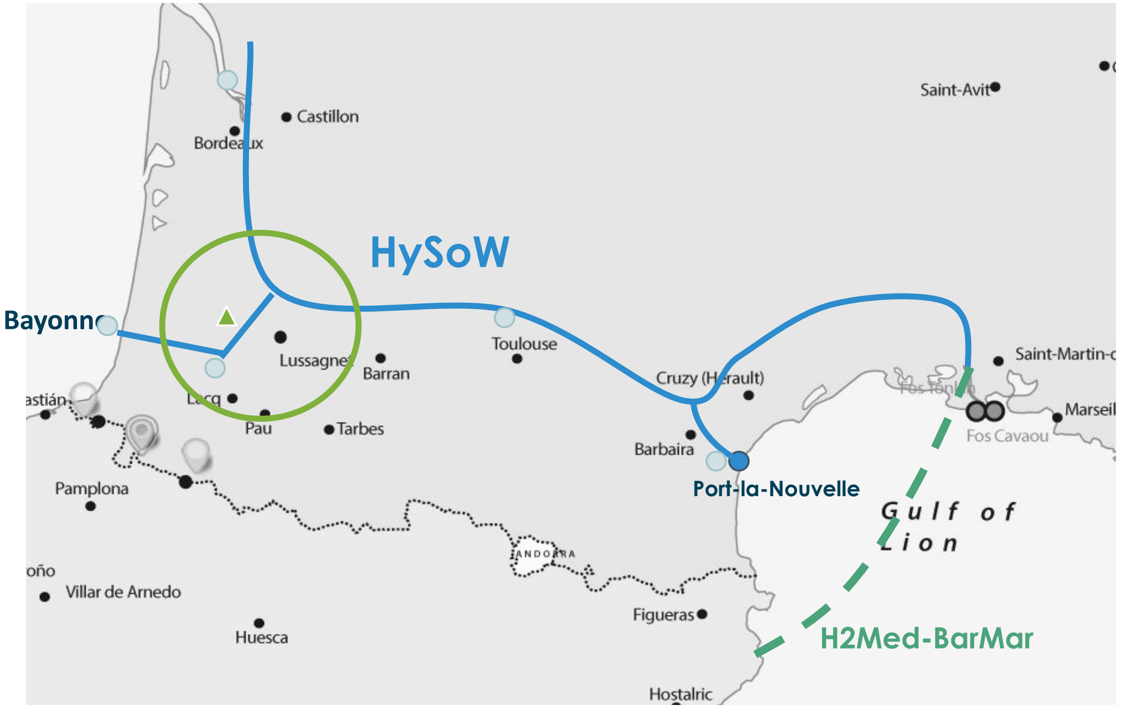
➔ Cost Estimation (PRELIMINARY figures)

- CAPEX Estimation: **2,200 M€ ± 40%**
- Over **450 km** of pipeline in offshore route

➔ Planning

- Commercial Operation Date: **2030**
- FID: **end 2025**

PCI CANDIDATES SUBMITTED BY TERÉGA



- H_2 production cluster
- H_2 valleys (consumption)
- H_2 storages
- H_2 storage cluster SW
- Pure hydrogen pipelines (new or repurposed)

HySoW project, Hydrogen South West corridor of France

Consumption clusters such as:

- Occitanie Mobility Corridor
- Toulouse (aeronautics sector)
- Bordeaux (port and industrial sector)
- Lacq (industrial sector)
- Bayonne (port sector)

Production potential at Port-la-Nouvelle

Hydrogen storage near Dax with a capacity of about 500 GWh in a first phase of development. **Full potential ≈ 1 TWh**

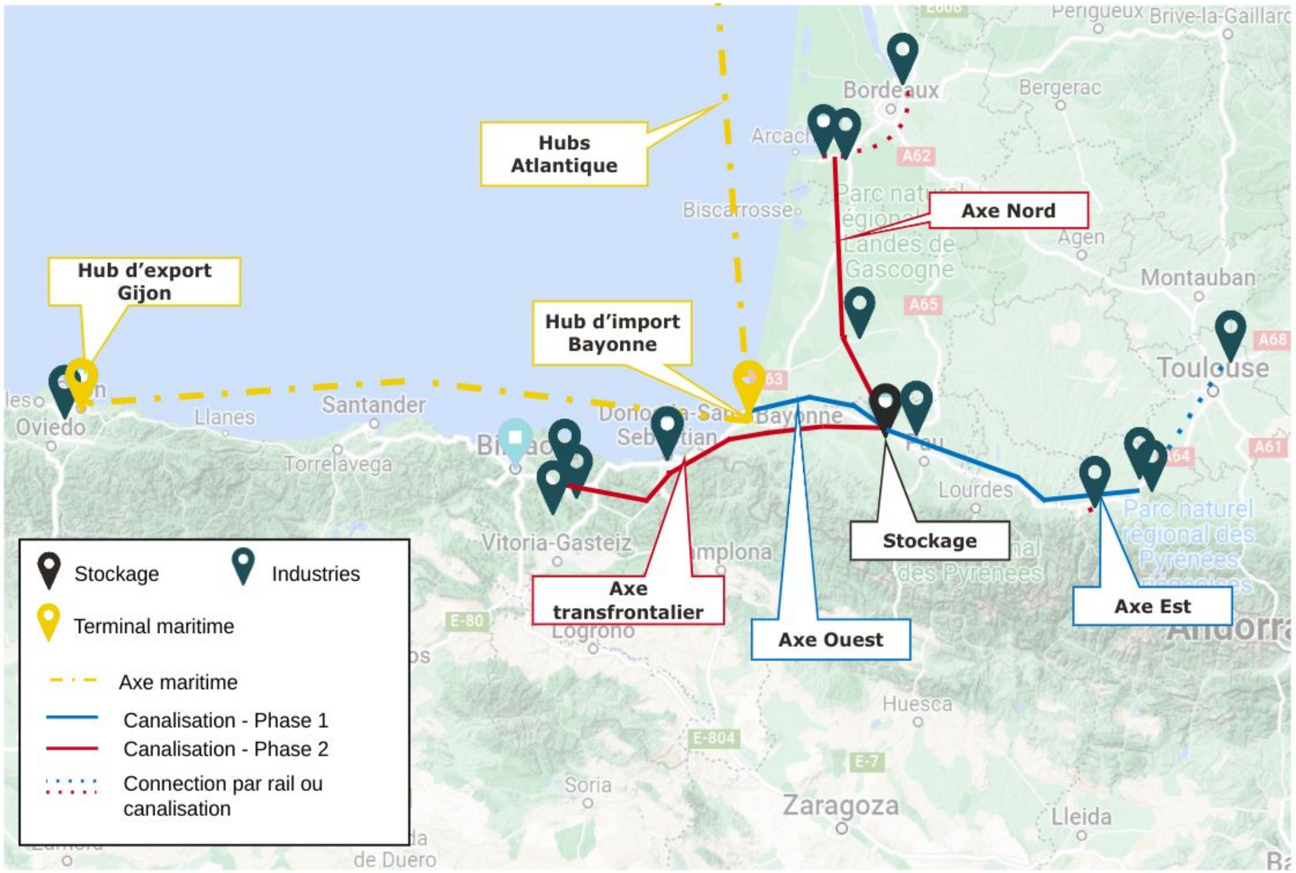
600 km of pipelines with **40% of reconverted pipelines and 60% of new pipelines.**

Highlights:

➔ Capacities : **16 TWh/y** at Cruzy and **22 TWh/y GWh/j** at Castillon
➔ CAPEX: 1222 M€ +/-50%
➔ Commissioning year: 2030

CONCLUSION

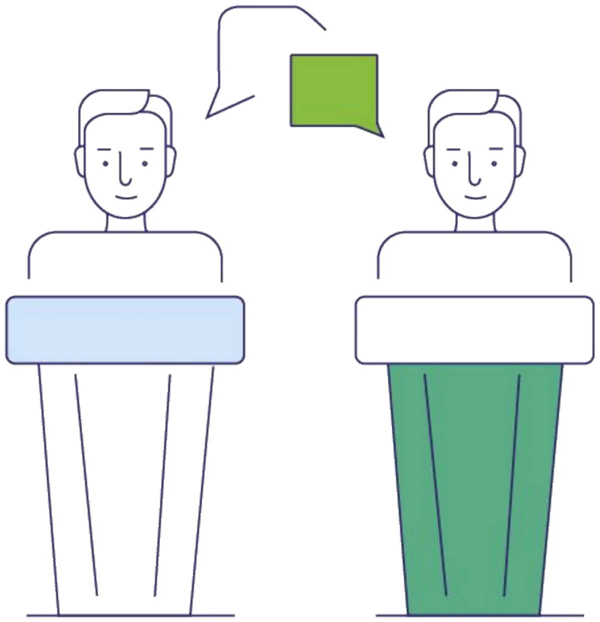
PYCASSO



Carbon Capture Utilisation and Storage project (CCUS)

- ➔ **20** potential industrial clients
- ➔ **2 Mton** CO_2/y from 2030
- ➔ **> 5 Mton** CO_2/y from 2035
- ➔ **500 Mton** storage capacity
- ➔ Significant volume of CO_2 to be valorized

Our next meetings



→ **E-World**

23th > 25th May

→ **Satisfaction Survey**

September / October

Contact us

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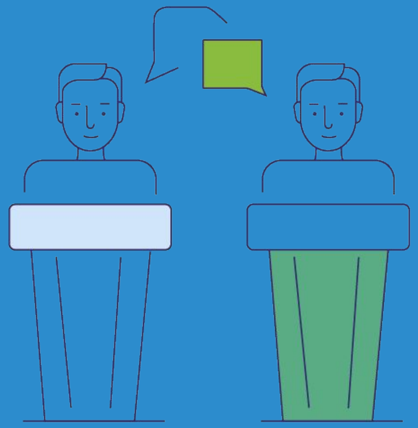

Thank you for your attention