



ON THE MARITIME ZERO PATHWAY
Can Magi, Barcelona, Spain



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Participant List



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FACILITATION TEAM

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Background

After more than two years since the last Gas Fest and with so much happened since then, we realised we needed to **re-connect** and **re-align** - a reset, where we would take stock of who and where we are.

What were we willing to commit to, as a **community**, to move forward and have an impact on the path forward for sustainable marine fuels.

At **Gas Fest 2022**, the gas and maritime stakeholders collaborated in ways that had the participants explore and agree on what it will take to strengthen our community and what it will take to **succeed**.



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Objectives and Outcomes

OBJECTIVES

- Articulate the role of the community in decarbonizing shipping
- Unpack change drivers impacting the marine energy mix short and medium term
- Re-align community around what we need to do and provide to fulfil our role within the next 3 years

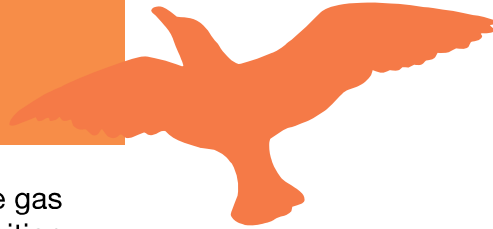


OUTCOMES

- A high-level community value proposition
- Identify and prioritize mission critical stakeholder groups
- Messaging/Call to action to reach a broader and more diverse target group
- A plan/road map for 2022-2025



Our Journey



In the global fight to reduce greenhouse gas emissions, and in line with the IMO ambition of cutting them by at least 50% by 2050, the shipping industry has an important role to play. This context provided the impetus to clearly articulate how the community wants to contribute to this goal and what immediate and longer-term steps it will need to take to make sure this happens.

On the first day of the event, attention was given to what we need to know, have learned over the years, and what the ambitions are for the future of the entire industry. Through three engaging Learning Cafés, further perspectives were analysed and this led the group to work on the development of short, yet very powerful narratives on the work of the community.

On the second day, participants agreed on four buckets of work that need to be taken forward, firstly by scoping the work, and then by nominating a working group that, with the support of the SGMF secretariat, will make sure that the community can move forward.

“Don’t believe what your eyes tell you.
All they show is limitation.
Look with your understanding,
find out what you already know
and you’ll see the way to fly.”
R. Bach - Jonathan Livingstone the Seagull



It is time to make the message evident that the community is determined to make its voice heard and to work concretely towards zero carbon emissions.

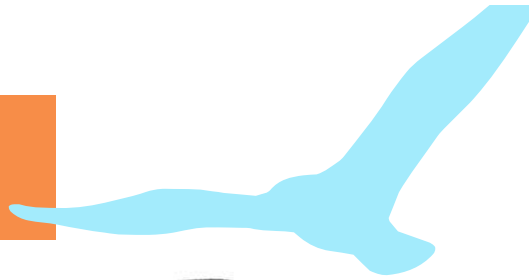


GAS FEST 2022

28-29 JUNE



History...



HISTORY

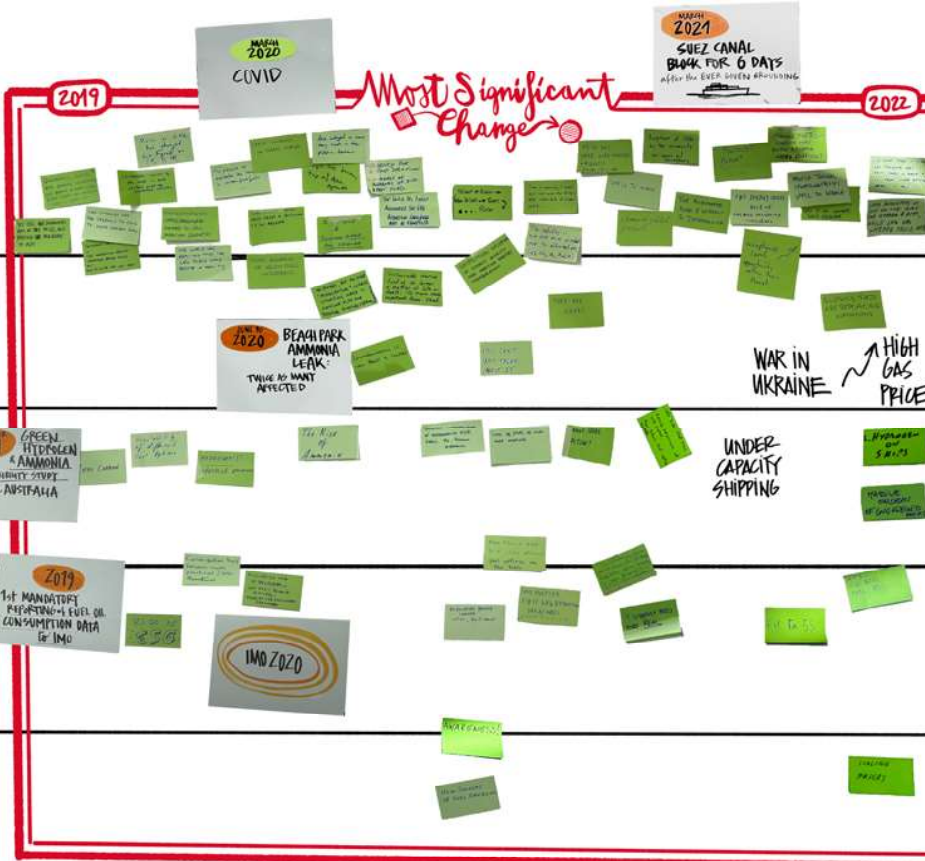
CIVIL SOCIETY / GENERAL PUBLIC

ENVIRONMENTAL FACTORS

TECHNOLOGICAL

REGULATORY FACTORS

ECONOMIC FACTORS



1947: FIRST USE OF AMMONIA as COMBUSTIBLE

1966: U.S. - NETHERLANDS 1st INTERNATIONAL CONTAINER SHIP VOYAGE

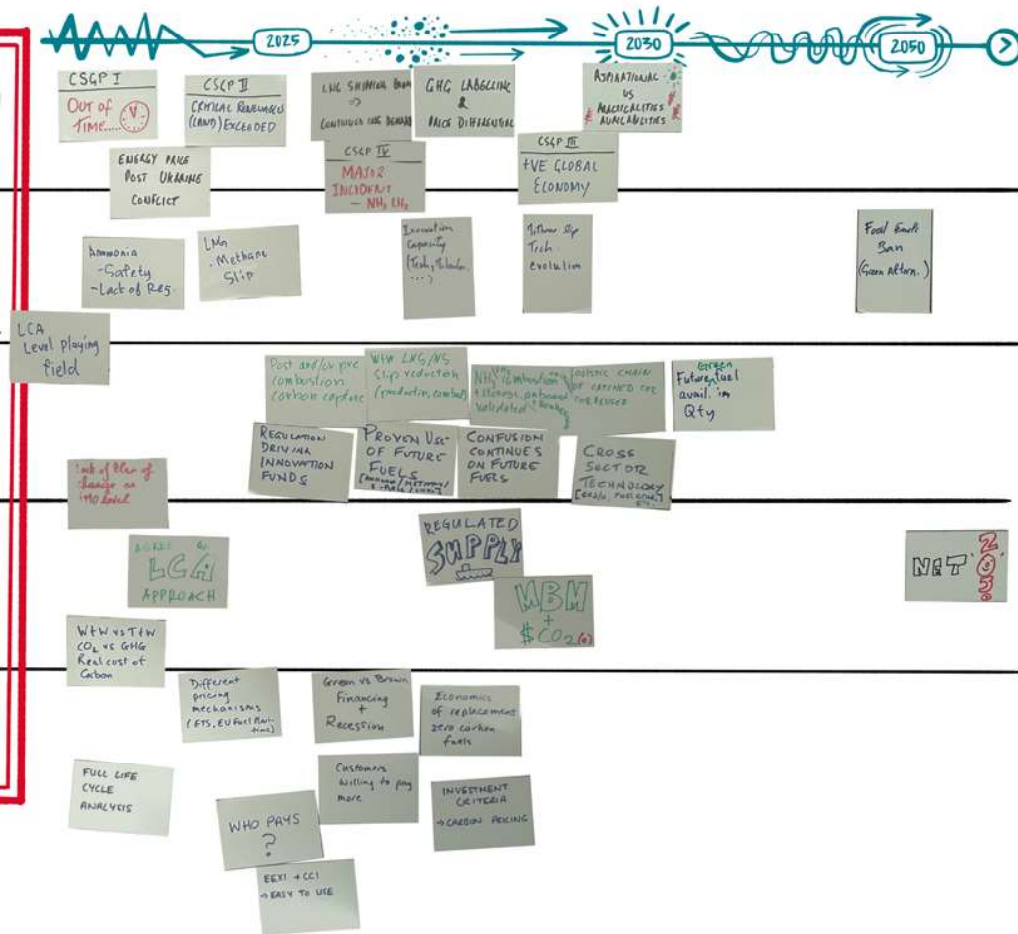
AFTER 2018: ADOPTION of IMO INITIAL STRATEGY on REDUCTION of GHG EMISSIONS 2018 by 2050

2018: IMO LIMIT SULPHUR CONTENT OF SHIP FUEL from 2020 3.5% → 0.5%



...of the future

... THE FUTURE



How can we be prepared to face the coming years and to progress towards the maritime zero pathway?

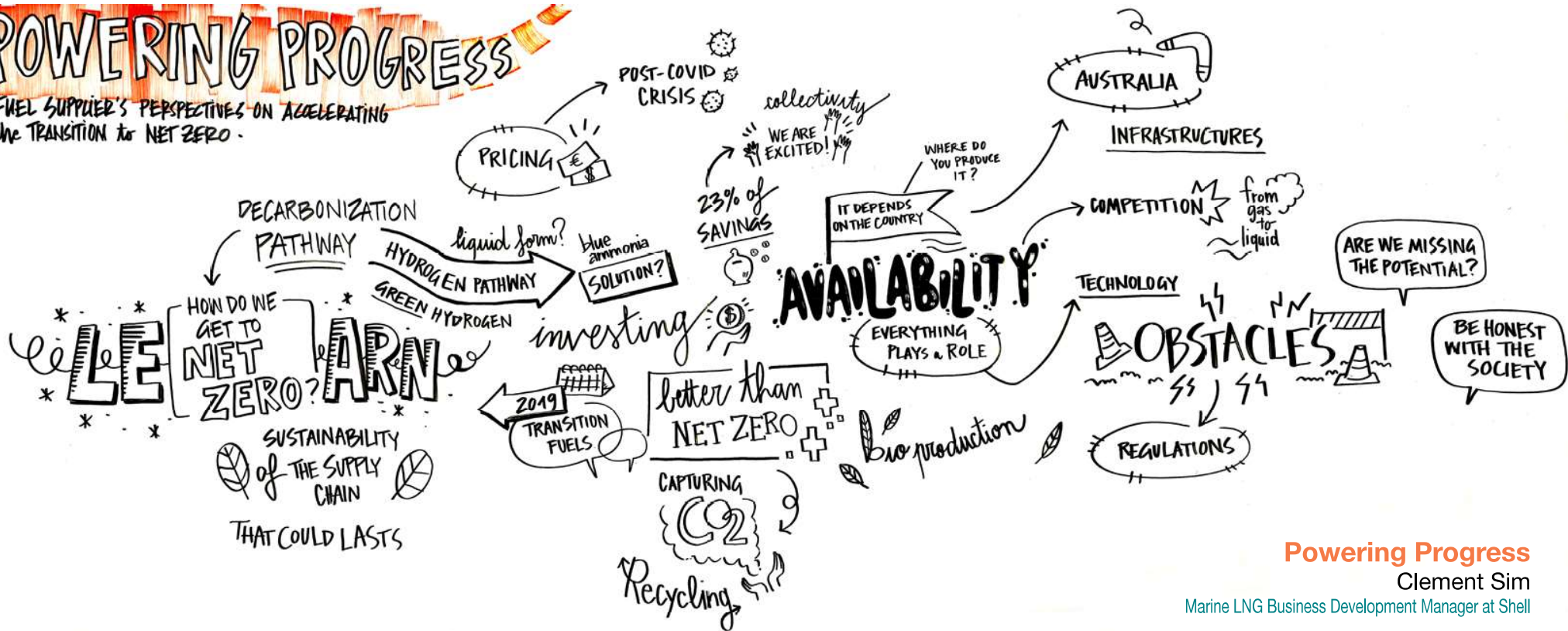
By looking at our past and then projecting ourselves into the future, we identified **inflection points** that will likely have a strong impact on the industry and which bring clarity in the way we see the industry and its transformation.

Being able to plan ahead of time will help us identify **opportunities**, make well-informed **investment decisions** and create plans to **mitigate risks**.

Learning Cafés 1

POWERING PROGRESS

FUEL SUPPLIER'S PERSPECTIVES ON ACCELERATING THE TRANSITION TO NET ZERO.

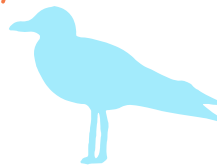


Powering Progress

Clement Sim

Marine LNG Business Development Manager at Shell

"We need a sustainability of the supply chain that could last"



This Learning Café gave participants the chance to know more about the many blue and green solutions that are being looked at by fuel producers including green hydrogen, liquified Bio-methane, liquified E-methane and bio CO₂. The path the follow is clear, but the marine industry will need to increase its appetite to pay for these fuels.



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Learning Cafés 2

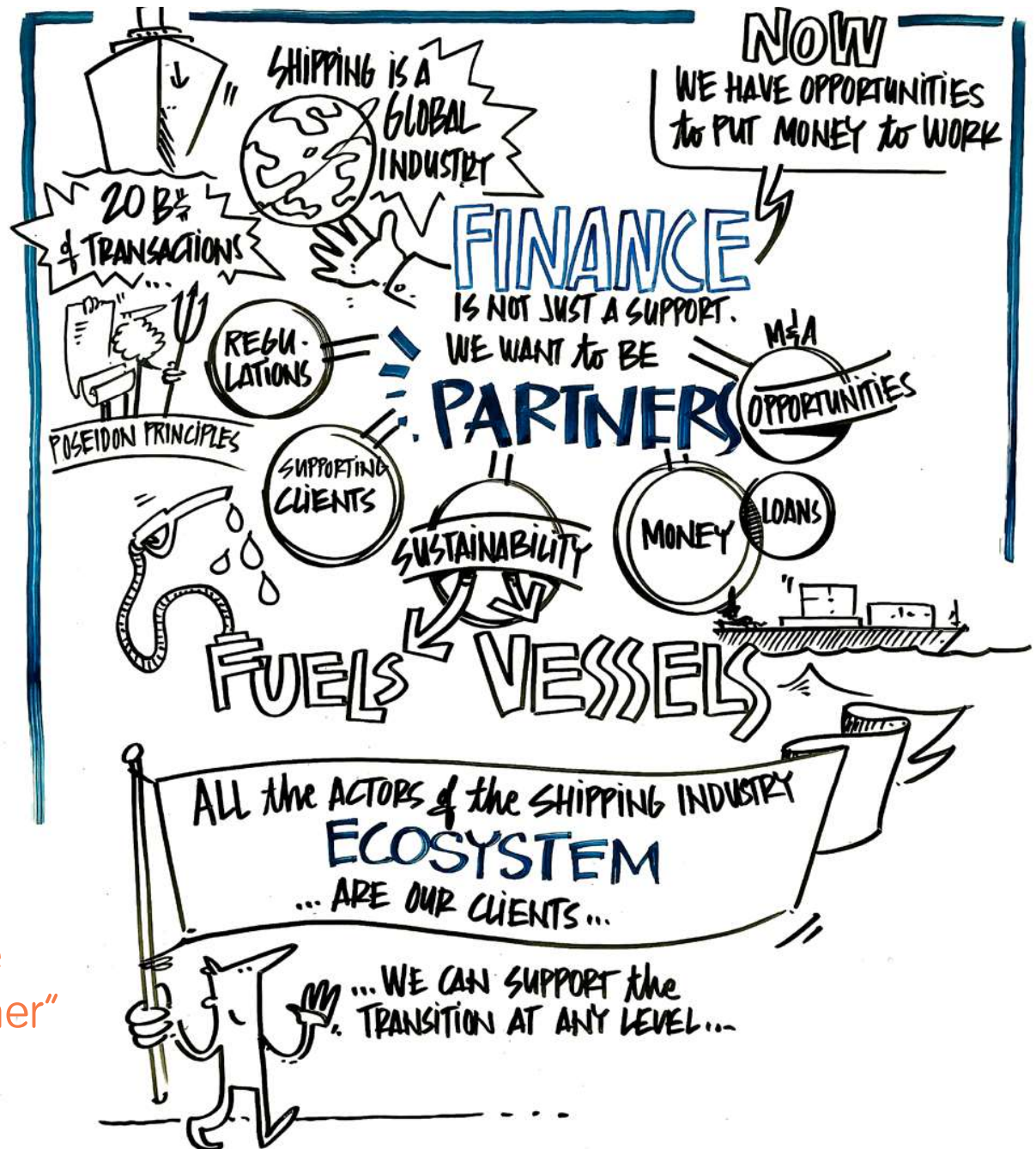
Marine Finance

Thor Thomsen

Vice-President LNG Shipping and Offshore at Société Générale

Société Générale has been supporting the transition of the maritime industry since 2018 when it first financed a LNG project. Since then, their funding parameters have expanded and they are now willing to support the industry further. They strongly believe in the possibility of greening the industry and will continue on sustaining the maritime zero pathway.

"One piece affects the other"



Learning Cafés 3

Decarbonization Pathways

Domagoj Barasic

Research Associate UCL

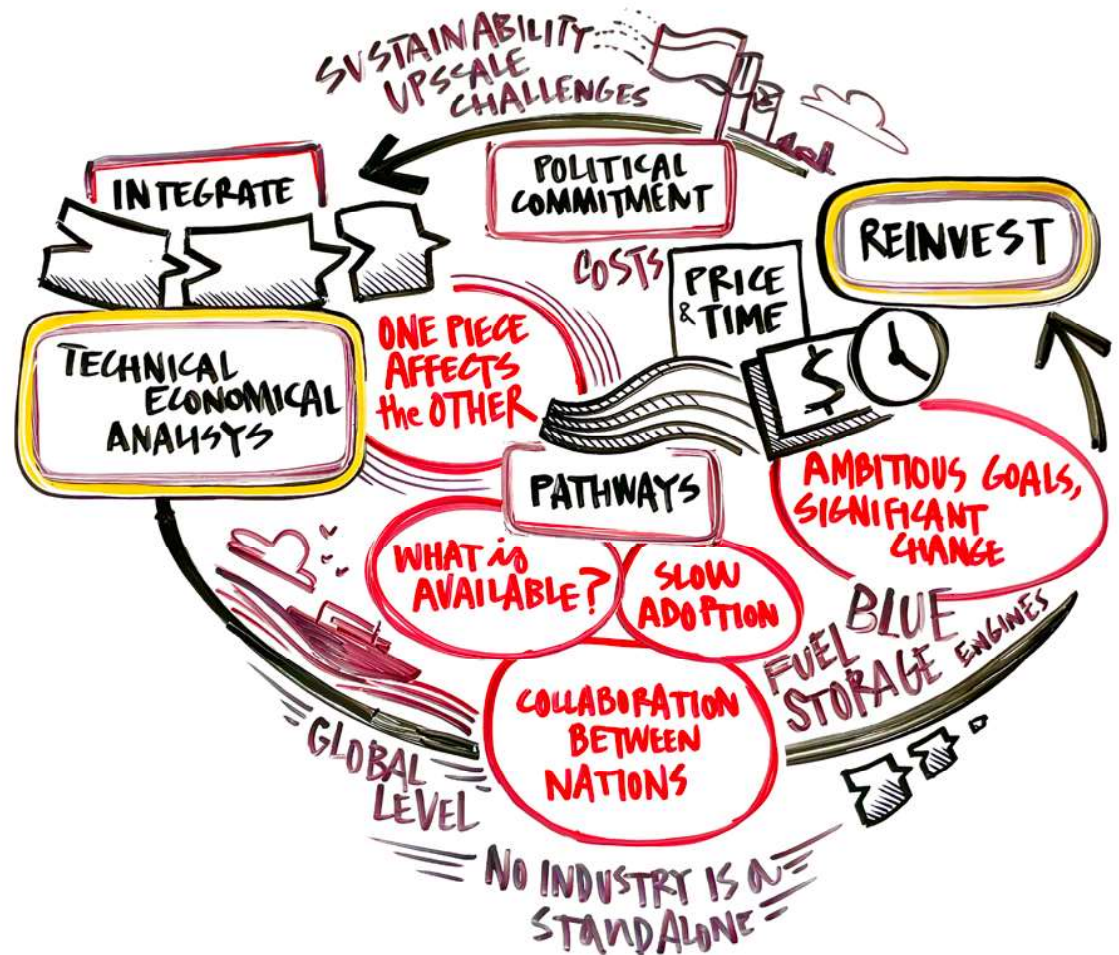
Research on the decarbonisation of the maritime industry is being conducted more and more. However, without global action, it will be impossible to make change happen. Two main simulated scenarios show that:

- if the industry needs to be decarbonised by 2050, green fuels will need to be made available by the 2030s, in order to make the shift during the 2040s. This scenario defines an uphill pathway and seems unlikely, considering the time it will take to update the technology on ships;
- if the industry needs to be decarbonised by 2070, green fuels will need to be available by 2040.

All the scenarios suggest that green ammonia is the most cost-effective option that the industry has.

DECARBONIZATION PATHWAYS FOR SHIPPING

OPPORTUNITIES/CHALLENGES/CURRENT INSIGHTS



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Six-Word Stories

Inspired by Ernest Hemingway, we learnt how six carefully crafted words can convey a **message** that is so much more than a simple slogan.

Participants were challenged to craft powerful narratives to explain the contribution of this community to the decarbonisation target.



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Six-Word Stories

DECARBONIZE TODAY
UNRAVEL UNCERTAINTIES
NET ZERO TOMORROW

BUILD
CONSENSUS,
ACHIEVE
COLLABORATION
DELIVER
RESULTS

COMMUNITY SHARING
IS FUTURE FUEL;
BREATHING

EQUAL
THOUGHTS,
EQUAL
RISK,
ONE
SHOT!

DIVERSE
COLLABORATION
TRIGGERING
PROGRESS
SUSTAINABLE
PATHWAYS

ILLUMINATE
OPTIONS,
DRIVE AMBITION,
DELIVER
COURAGEOUSLY



Current State/Future Ambitions

Participants explored both the current state and future ambitions for **five dimensions** affecting the industry, namely:

- Our Vision / Philosophy
- Community / Culture
- Civil Society / General Public
- Regulatory Bodies
- Other initiatives / Networks.

More specifically, they reflected on what is being done or not at present and then shaped their vision of the future for each of these dimensions.

Finally, during a third round of work, participants defined the gap and identified practical and urgent steps that can be taken by this community to **bring change**, including:

- clarifying regulatory directions and increasing knowledge of decision makers

- working for more ambitious IMO targets, faster decision making processes and fair enforcement
- advocating for approaches lead by science and technology, instead of politics
- creating and giving authority to working groups
- creating a cross-industry collaboration on energy efficiency
- identifying the costs of decarbonisation for end users
- being a transparent industry and focusing on the end goal: zero carbon emissions



Scoping the work

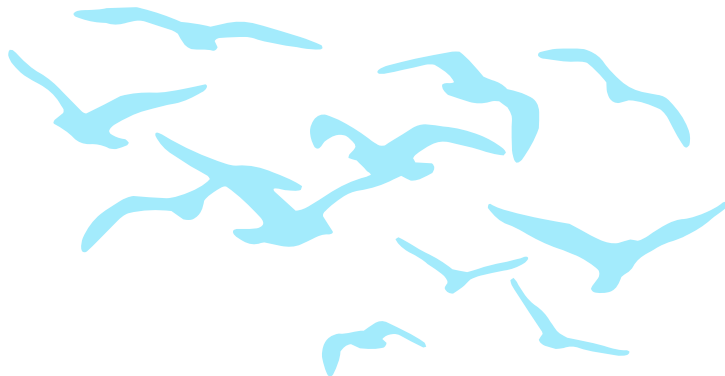
The true questions to be answered is:
**how do we decarbonise this industry
and what path should we take in moving
forward?**

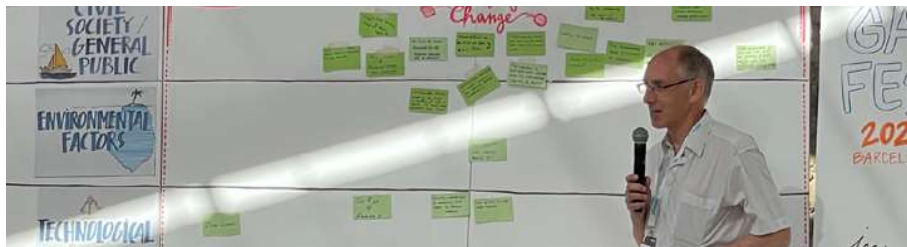
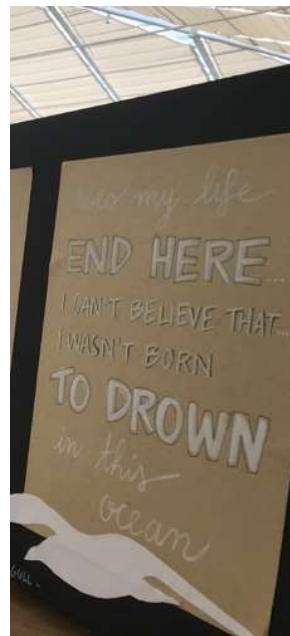
The discussion lead to the definition of four
buckets of work that were tackled during the
day, namely:

- **What we are and what we do:** to make ourselves known and to make sure that everyone understands what we are trying to achieve, we need clear definitions.
- **Community name:** Gas Fest may not convene the right idea of our gatherings. The team examined how to best convey what this Fest is really about.
- **Roadmap:** the team asked itself what tangible steps we need to make and how to prioritise them moving forward?
- **Ecosystem - Network:** our community is strong, but can it become even more open and diverse? This team analysed which actors would bring added value to the group in moving forward.

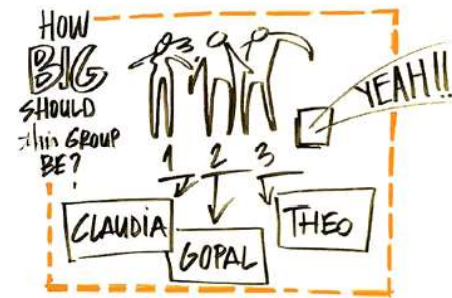
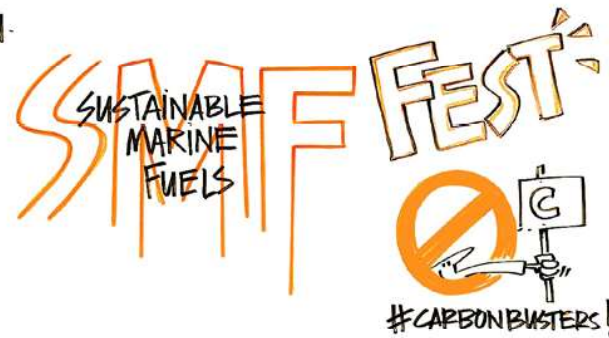
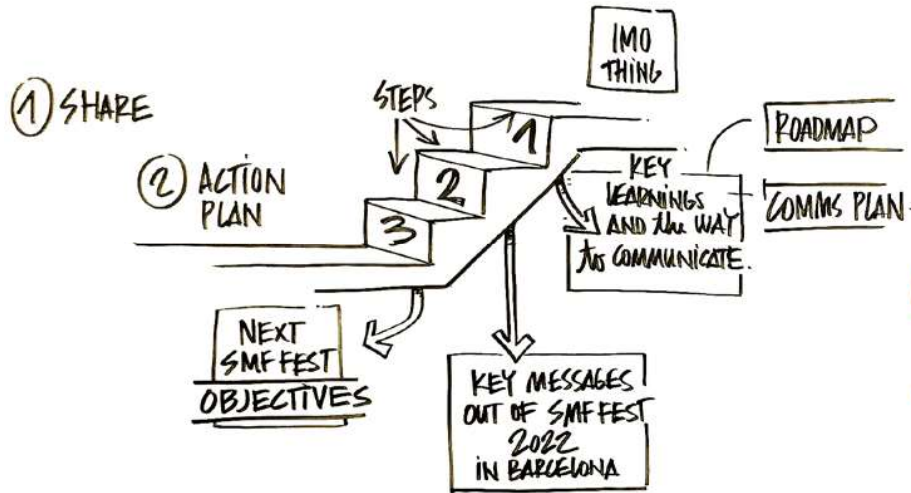


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Final Report Out



The final session of the 2022 edition of Gas Fest started with a report out of the the work of four groups.



Final Report Out

What we are and what we do

As a community we have made a lot of progress in the past years and we are proud of who we are. But in order to remain relevant, we need to move forward in the next discussions and build on what has already been done.

Community name

We proposed and all agreed to the renaming of our group to Sustainable Marine Fuels (SMF) and our convening from Gas Fest to SMF Fest. The reason for keeping the word 'fest' is that this is not an ordinary conference, this is a place to connect and to work together towards the future of our industry. Furthermore we also proposed an informal name of the community: Carbonbusters.

Roadmap

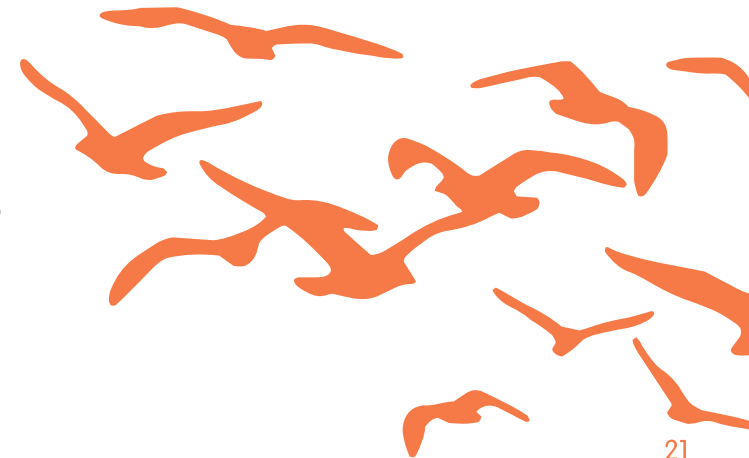
With 4 technical aspects in mind (safety, operations, LPA performance and, training and compliance), we defined the areas we want to work on and the actions we need to take. We will firstly need to collect and share information on the identified areas, to then set-up working groups. The priority actions are: availability, cost and maturity of fuel, a sector analysis, applicability by vessel segments, an evaluation of carbon pricing and finally port acceptability. On the other side, SGMF will need to communicate both safety and operational risks and develop training and compliance materials.

Ecosystem - Network

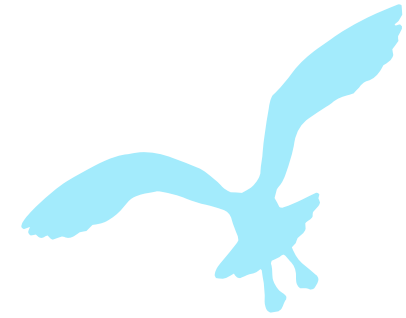
Through a gap analysis, we divided possible stakeholders into 3 main categories: actors that want to engage, actors that we should keep an eye on and finally actors that we can ignore. We also agreed to make sure that our role and mission is clear and understood widely, so as to make sure that no assumptions are made and that the facts are right.

Following the presentations, the group agreed on four priority actions that can take place, and nominated a group of three people who will ensure that progress is being made. Two of these will need to happen within 2 weeks time: share the key learning of this gathering, and more specifically the roadmap and a comms plan. Then, the key messages of the 2022 Gas Fest will be shared and finally, the working group may start to work on the next SMF Fest objectives.

During his final remarks, Mark Bell, thanked everyone for the strong commitment and shared his hope for this forum to become the place to be for tangible discussions on the maritime zero pathway.







Feedback

Join us on LinkedIn!



Feedback Form

Let us know what you thought of the experience



Build consensus

Achieve
collaboration

Deliver results



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sgmf
& Industry Partners

