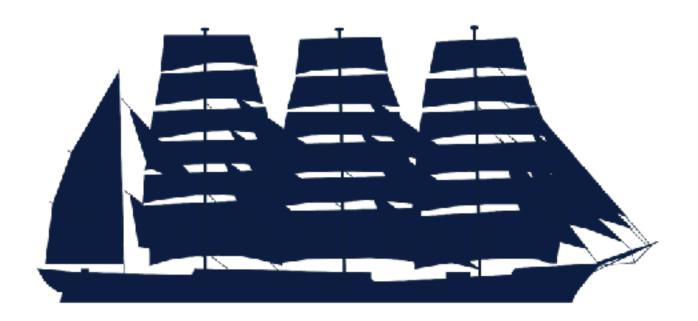
### INTERNATIONAL SAIL TRAINING AND TALL SHIPS CONFERENCE 2018

## SESSION 3A ENVIRONMENTAL MARINE PROTECTION AND SUSTAINABILITY





# SAIL TRAINING | A PLATFORM FOR SUSTAINABILITY LEARNING

Vicky Williams







Sustainability

One Use Plastic

Ocean Pollution











#### Who we are...

- 9 years, predominantly by volunteers
- Mid 2018 launched 2<sup>nd</sup> vessel
- 100 volunteers | 2 full time sea staff
- Shore team 1 full time | 2 part time roles







The start of our sustainability journey from 2011







The start of our sustainability journey 2016...







The start of our sustainability journey 2016...













Undertook our first 'Environmental' voyage and collaborated with;

- 2 Universities
- Lundy Island Ecosystems & Plastic
- Evening plankton lecture



















The start of our sustainability journey 2017...









The start of our sustainability journey and the start of planning for an accredited Environmental Project





### The start of our sustainability journey, what else was happening in 2017?







Female Skipper

Only Welsh person at the time onboa

Had the youngest crew

• 50% male/female

Strong environmental message

What could we do to our advantage, to help our sustainability journey, and with no money?...



- Identified the Shore Manager
- Held a meeting
- Talked about sustainability issues
- Identified clear goals
- Let's put an event on!

What could we do to our advantage, to help our sustainability journey, and with no money?...







Our sustainability journey continues in 2018...



Our sustainability journey continues in 2018...







Our sustainability journey continues in 2018. Through awareness we make little steps...







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#### SUSTAINABILITY

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The RN's Systematic Construction and County



### SUSTAINABLE GOALS

























Volunteer With Us.



### Our sustainability journey continues in 2018, it's an awareness thing...

#### Educating Others

- Accredited learning with Appred Cymru. On 31st May 2018 we are faunching our 'environmental project' which: will provide an educational activity for 14 – 25 year olds based on plastics and marine litter. We believe we are the first organisation in Wales to integrate plastic awareness into this particular accredited learning programme.
- We're part of a global citizen Science project measuring plankton. Our results help inform scientists on climate. change
- We work with others including Cardiff University, Darwin Centre (Pembrokeshire), Plymouth University with marine activities and have even had an exciting or board lecture by an amazing Plankton Professor, Dr Richard. Kirby
- We've brought marine science to life, engaging with young people and giving them a practical learning activity to put on their CV. Read the case study here...
- Our youth work not only encompasses those in schools, universities and colleges but also young people who. have low literacy levels, low qualifications, learning disabilities, autistic, deaf, blind and visually impaired as well as those from low income families or who are marginalised – ensuring accessibility for as many young people as: possible

#### How our activities link in with local and regional initiatives

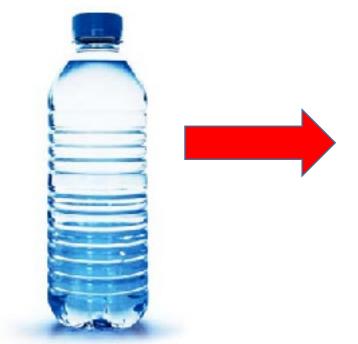
- We have achieved Blue Flag Status, a programme of the Foundation for Environmental Education and abide by their code of conduct (international Project):
- We are engaged with Keep Wates Tidy with our marine plastic activities (see below) (Wates-wide Project).
- Our activities link in with the Well-being of Future Generations (Wales) Act 2015 (Wales Wide Project).
- One of our Trustees is member of the Ocean Literacy in Sall Training pilot project group (Sall Training Project)

Our sustainability journey continues in 2018...



Our sustainability journey continues in 2018 but we do face challenges...









Our sustainability journey continues in

2018...



Been more vocal



### Our sustainability journey continues in 2018

I enjoyed the litter pick and will do it in my local area and when 30 to beaches in future. I refused single use plastic when docked and continue to do so. Since I've left the boat I have continued to Use my Challenge Wales reusable water bottle that was given to me and told friends and family about the danger of stic to the





Even though you've filled a bag, it felt like you hadn't really touched the amount of plastic that



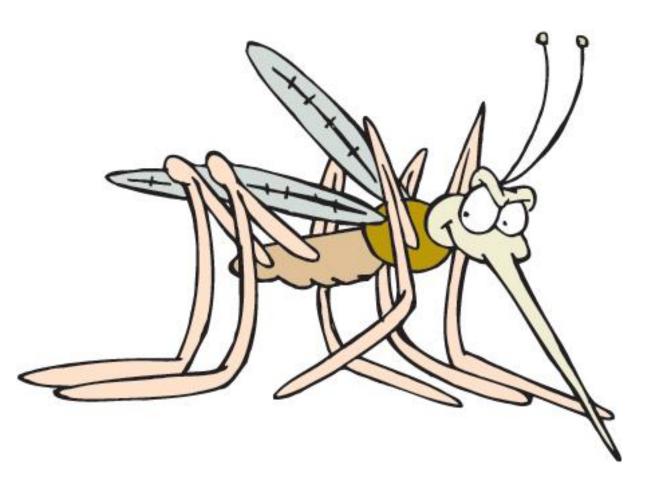


### What we did



- Communication
- Re-educate
- Not afraid to challenge ....but we are still learning
- Integrate plastic awareness
- We used someone else's even to help us, at no cost!
- Stakeholder Engagement

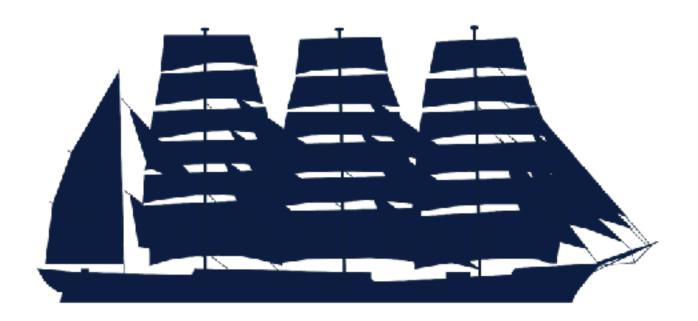
### And remember...



If you think you are too small to make an impact...

...try going to sleep in a cabin with a mosquito!







### Blue Oceans

**SUSTAINABILITY** 

**INNOVATION** 

**TECHNOLOGY** 

### Why Blue Oceans?





- We wish to use the attention of The Tall Ships Races
  Bergen 2019 to put focus on something important that can also last beyond the festival
- The focus of the festival is already on the younger generation and the ocean – we want to add environmental awareness and sustainability to this
  - The ocean is central to solving some of the biggest global challenges of our time: food, climate, health and energy
  - These challenges demand new solutions and better co-operation
  - What's currently being done is not enough

### Our goal is to...

- Raise awareness
- Better cooperation between different industries and research disciplines
- Produce new solutions to our environmental challenges and support the marine industries transition
- Educate children, youths and students about the challenges and the possibilities the ocean beholds

How...?

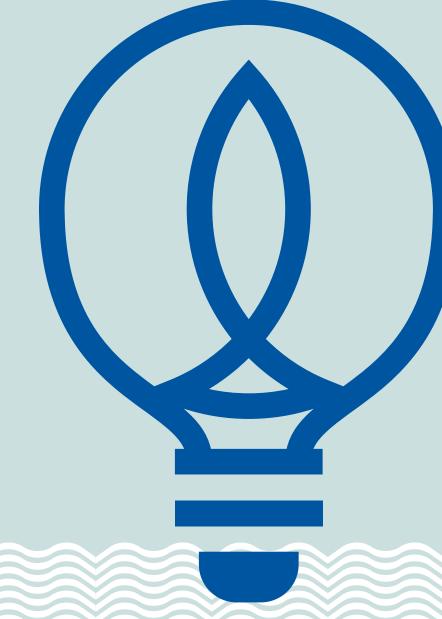




### **Blue Oceans**

A pilot project in three parts:

- Conferences as an arena for connecting researchers, innovators, students, industrial clusters and policymakers
- Exhibition made by children to be shown during the festival and bring awareness. Also a creative process for the children to learn about the ocean, its challenges and possibilities.
- Innovation Race for youths and students.
   Cooperation, learning about innovation, and finding sustainable solutions to the challenges (our main focus at the moment)





### **The Innovation Race**

#### Our goal is to:

- Educate youths and students about the challenges we are facing and the possibilities that lies in the ocean
- Teach them innovation and entrepreneurial skills
- Inspire the next generations to find new, innovative and sustainable solutions
- Make them able to learn how to work together and use each others skills





### The Innovation Race Program

- Kick Off: teams are created to be as internally diverse as possible.
  - Teams start the creative process and brainstorming ideas
- A program of five gatherings from January to May, all with different focuses and themes
   from understanding the problem to building prototypes and learning to pitch ideas
- Participants work towards building a prototype that can be tested during the TSR Bergen 2019 event.
- Mentors from the different cluster groups will be available for the participants
- There will be prices for best team, best implementation and best idea
- One of the prices will be to test their prototype or idea during the voyage from Fredrikstad to Bergen, and to compete for **the ultimate price**: a contract with a mentor and company to further develop their innovative idea or prototype
- All teams will have the possibility to demonstrate their prototypes at the #YouExplore Conference (June 6th 2019) with more than 15 000 participants from all over Norway.
- Age limit between 15 and 30 years of age



### BLUE OCEAN PARTNERS

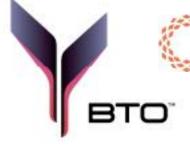






























### Who are we?

- Blue Oceans (Blått Hav) is an initiative from Tall Ships Races Bergen 2019, working closely together with the youth center The Dale Oen Experience, and with the innovation and development accelerator Accel - especially considering the Innovation Race.
- We are working together with different actors and want to include as many stakeholders as possible in the project!

### With support from:

Bergen Kommune – (Bergen City Government)

Bergen Harbour

GCE Subsea

**NCE** Seafood

BTO (Bergen Technology Transfer)

Havlabben (University of Bergen)



### Stay updated and learn more about Blue Oceans (Blått Hav)...

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