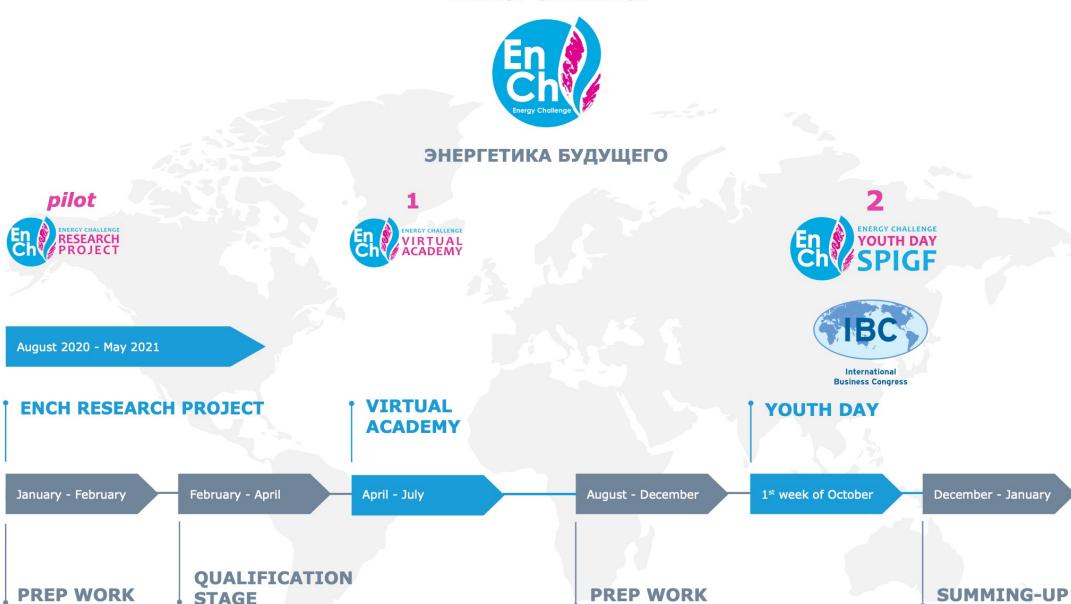








#### **ENERGY CHALLENGE**



























## 1. VA results

- enrolled participants
- VA program
- webinars
- challenges
- final rating and top 40 participants

## 2. Case study

- teamwork
- individual assignment

## 3. Youth Day plans

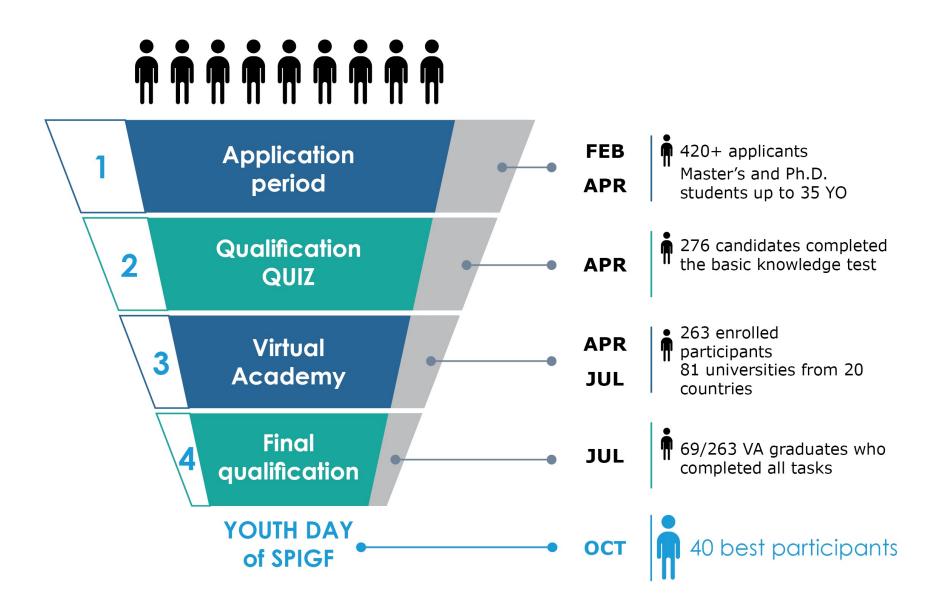




## **VIRTUAL ACADEMY RESULTS**

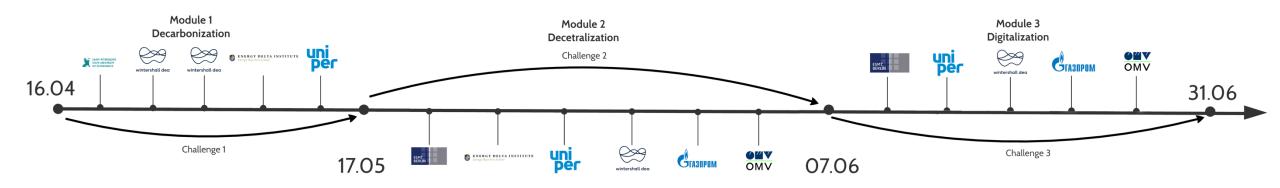








## **Embracing Uncertainty with 3D**



Platform – UNECON training system for distance learning on Moodle base <a href="https://de.unecon.ru">https://de.unecon.ru</a>

#### **Learning base:**

- Analytical materials for self-study
- Videos for additional study
- 16 webinars by the partner companies
- 3 challenges to complete
- Final case-study team-work

## Individual rating of participants (sum of scores for all tasks + additional points for activity during training sessions):

- Qualification QUIZ
- CHALLENGE #1\_Decarbonize urban transport
- CHALLENGE #2\_Decentralize city energy system
- CHALLENGE #3\_Digital ocean

#### WELCOME!

#### **Dear Participants!**

Welcome to the Virtual Academy!

We believe in your potential and talent! We'll be glad to open new horizons in the energy business for you. Best experts from the world leading energy companies are waiting to broadcast and share their industry knowledge and professional experience.

Your participation is free of charge, but we expect you to speak English fluently, work hard and be highly motivated to find your place in the energy sphere.

Good luck!

#### Team of Energy Challenge project

Let's look how the final events went in 2020!



Announcements

L F.A.Q.

EnCh Promo

#### QUIZ

To be enrolled in the Virtual Academy, a candidate should score a passing grade for the qualification test (QUIZ). The test includes questions on professional knowledge and analytical skills.

**Quiz** 

Please, answer the questions of the quiz. You will have 1 hour and 1 attempt.

Good luck!

#### Module 1 "Decarbonization" (April 26 - May 16)

- Webinar 1.1. (28.04.2021 / 4 p.m. UTC+3) Introductory webinar by moderators: Rob Veersma and Pavel Metelev
- Webinar 1.2. (30.04.2021 / 4:30 p.m. UTC+3) Global climate framework by Tatiana Krylova, Wintershall DEA
- Webinar 1.3. (05.05.2021 / 4 p.m. UTC+3) How can the European gas infrastructure support the green transition (in the EU 27)? by Arne Kupetz, Wintershall DEA
- Webinar 1.4. (11.05.2021 / 4 p.m. UTC+3) Renewable and decarbonized energy system by Leon Stille, EDI
- Webinar 1.5. (13.05.2021/3 p.m. UTC+3) Hydrogen (and PtG technology) by Daniel Hammes, Uniper

#### **ADDITIONAL MATERIALS**

- Additional readings
- Usefull links

#### **CHALLENGE#1**

- Challenge 1
- Upload your Challenge#1 here

You can choose any format and design for sending your challenge (preferably in pdf)

#### RECORDINGS AND PRESENTATIONS

- Webinar 1.1\_Introduction
- Webinar 1.2 by Tatiana Krylova
- Presentation\_1.2\_by\_Tatiana\_Krylova
- Webinar 1.3. by Arne Falk
- Presentation\_1.3\_by\_Arne\_Falk
- Webinar 1.4 by Leon Stille PART 1
- Presentation 1.4 by Leon Stille
- Webinar 1.4 by Leon Stille PART 2
- Webinar 1.5 by Daniel Hammes VIDEO PART1
- Webinar 1.5 by Daniel Hammes VIDEO PART2
- Presentation 1.5 by Daniel Hammes









May 5, at 4 p.m. UTC +3





MODULE 2

DECENTRALIZATION







May 31, at 5 p.m. UTC +3













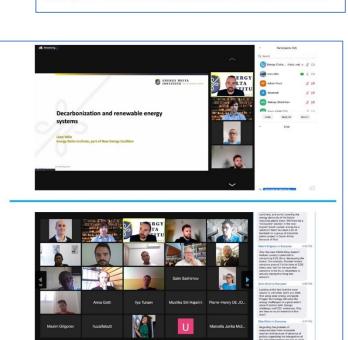




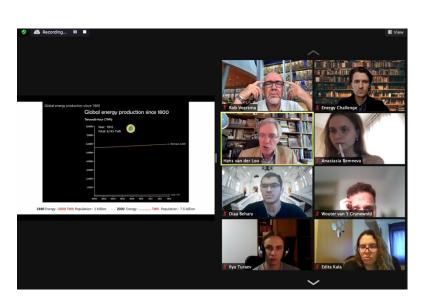


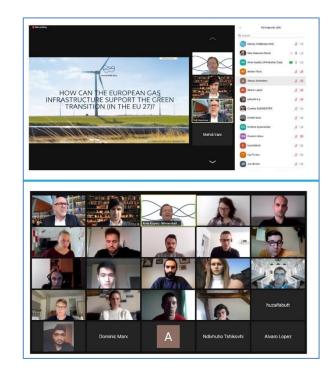


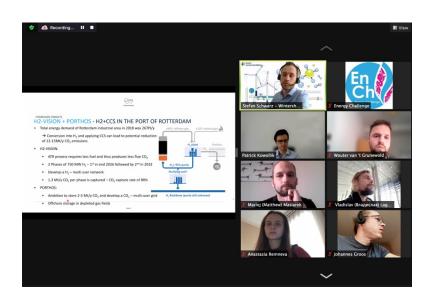






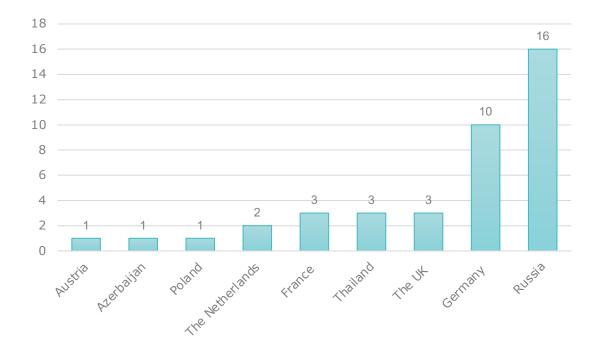




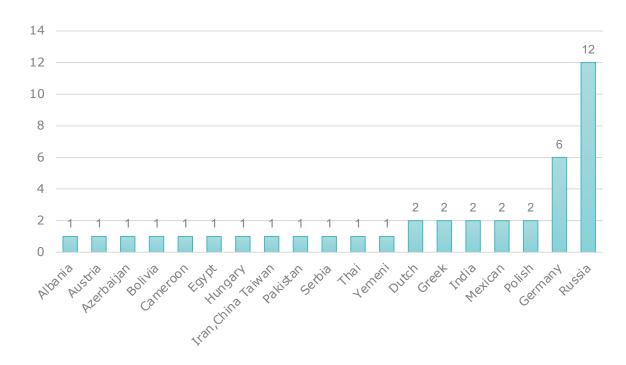


Top 40 participants represent 25 universities from 9 countries. They are also citizens of 19 countries

## **Countries of study**



## **Countries of citizenship**





## CASE STUDY AUGUST - OCTOBER 2021





## **Developed by:**





### **Case study includes:**

#### 1.06.08 - 03.09

Team work: 6 teams of 7 people work on a company analysis

- Additional webinar on Data analytics by ESMT (August 10)
- An open-hour session

#### 2. 04.09 - 01.10

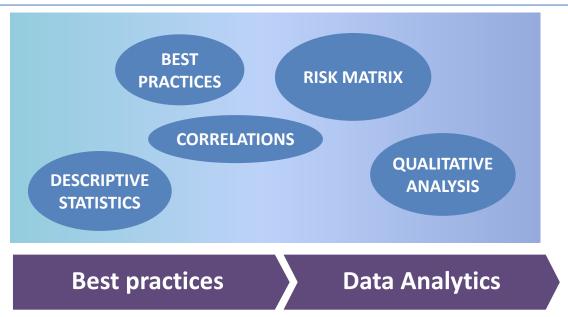
Individual work: preparation of a small project

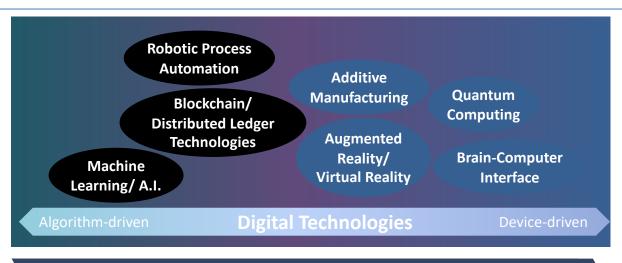
An open-hour session

#### 3. SPIGF:

- Presentation of the individual work during the forum in a form of "investor pitch session". 2 minute for each pitch
- Voting/Interview
- 5 best ideas will be selected by voting for team work during the day. Winners become leaders of the teams.







### **Digital Technologies**

## Groupwork "Climate risk management" (August 6 – September 3). 40 participants – 6 teams

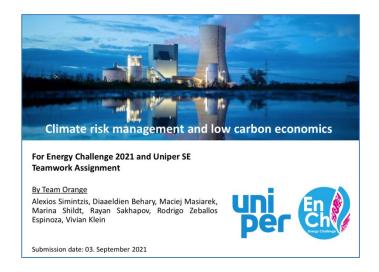
- Choose an energy company that you think can be a role model in climate risk mitigation (it could be an energy company (oil and gas company, electricity supply company etc.. or a company that has energy business in its portfolio). Please justify your choice.
- Identify climate risks for the company based on data analysis of the other majors.
- Make a climate risk matrix for the selected company, taking into account the current trends and perspectives of the energy industry.
- Suggest corporate approaches to climate risk mitigation, and develop particular recommendations for the company.
- Develop recommendations how energy companies can integrate climate factors into corporate investment decisions.

## Individual assignment "Digital technologies and climate risk mitigation" (September 4 – October 1)

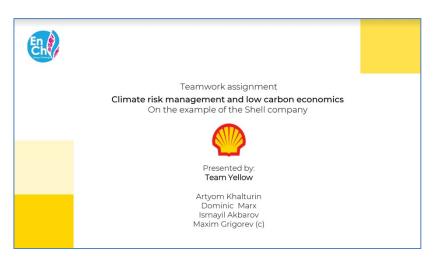
Participants need to answer the following question: "How digital technologies can help climate change mitigation?"

- Participants find an innovation for the energy industry that can help climate risk mitigation. The innovation should be based on digital technologies, such as Machine Learning, Blockchain/Distributed Ledger Technologies, AR/VR, Additive Manufacturing (3D Printing), Quantum Computing, etc.).
- It can relate to internal process optimization, new business model generation, or a combination of both.
- They sketch and describe the project: their innovation and its possible use case on 2 ppt slides, which they present at the Youth Day. Participants also prepare a 1 page description of their project.
- Grading is based on the votes of their peers for the best idea.













## Climate risks for OMV's business

This presentation was prepared by EnCh Green group:

Edita Kala

Evgeniy Chemousov

Marcella Janka Molnar

Mehdi Irani

Pedro Domínguez





## **YOUTH DAY SPIGF 2021**5 - 7 October



## 5 OCT

#### Online

- OPENING CEREMONY
- TEAM-BUILDING

## 6 OCT

#### Hybrid

#### **BUSINESS CASE**

09:00 - 17.00

- Marketplace of ideas and voting
- Interviews with case owners by randomly assigned teams
- Brainstorming and ideation
- Prototyping and testing
- Pitch preparation and presentations
- Vote by the jury
- Awards ceremony

## 7 OCT

#### Hybrid

#### **MEETING WITH EXECUTIVES**

14:00 - 15.30

#### By:

- Gazprom
- Uniper
- Wintershall DEA
- Gasunie
- OMV
- Shell











## The 10<sup>th</sup> St. Petersburg International Gas Forum

# Meeting with EXECUTIVES of energy companies



## Topic: "ENERGY INDUSTRY 2021 AT A GLANCE"

**Format: HYBRID,** CEOs are on Gas Forum (room D2) + some online, 40 participants online, moderators, and viewers are in the room

7 OCTOBER

14:00-15:45 MSK

- Open plenary discussion with executives and moderators on the stage (+ online)
- 40 best VA participants online
- Different viewers in the room (around 100 200 viewers: companies' representatives, experts)
- Timing: 90–100 min

