

**Deloitte.**



## Future of Energy Business Course

4TU - Deloitte

Aug 2023

  
**TU Delft**  
Delft  
University of  
Technology

**TU/e** EINDHOVEN  
UNIVERSITY OF  
TECHNOLOGY

**UNIVERSITY  
OF TWENTE.**

 **WAGENINGEN**  
UNIVERSITY & RESEARCH

**4TU.**

# Business Course Concept

Deloitte in collaboration with Delft University of Technology and Delft Energy Club organizes this autumn the second edition of the Future of Energy Business Course

- In **cooperation** with **Delft University of Technology** and **Delft Energy Club** we will organize a second edition of **Future of Energy Business Course** after a **successful first** edition in **autumn 2022**
- We will build on last year's success with a **5-week business course**, taking place from **mid-November 2023** incorporating an introduction session, weekly content workshops, weekly project team sessions and one concluding pitch session
- We will increase our impact by **extending** our **reach** to the **remaining 3 technical universities** in the Netherlands
- Approximately **30-40 participants** will be working on **accelerating new, innovative ideas** in project groups of 5 to 6 people
- **Weekly content workshops of 4-hours** on specific **energy transitions topics** as well as **weekly project team sessions** facilitated by a **Deloitte specialist** to **reflect** on the **workshop content** and **assist** project teams in **idea acceleration and pitch creation**
- The **final product is a pitch** for each accelerator idea, to be **presented to a panel** consisting of **Deloitte and Delft University of Technology experts**
- The **accelerator ideas** will be sourced **through members of the technical universities** and through **candidate applications**, they will be **selected** by a panel consisting of **topic experts from Deloitte and Delft University of Technology**
- **The target audience** for participants consists of **3<sup>rd</sup> year bachelor and master** students **across all faculties** from **technical universities** and is open to Phd candidates as well
- Candidates will be **selected based on a 200-word** description of their **accelerator idea, motivation** and their **CV**

# Recap

Together with TU Delft and the Energy Club we organised the first Future of Energy Business Course in Nov/Dec 2022, which has been a huge success with inspired and educated participants as a result

## Key numbers



~100 candidates  
applied



40 participants  
selected



30+ Future of Energy  
practitioners involved



6 sessions  
held

## Impressions from the previous edition

“I received **superpositive feedback** from a student; she was **really overwhelmingly enthusiastic**... Thanks for giving our students this opportunity”

*Prof. Kornelis Blok*

“It was an **amazing experience!** Another step towards the Future of Energy! Thanks for the **insights and lessons**”

*Participant*

“Really great fellow students and Facilitators. **Interesting and relevant topics** each week. Nice to see the relevance of our studies in a different light”

*Energy Club TU Delft*



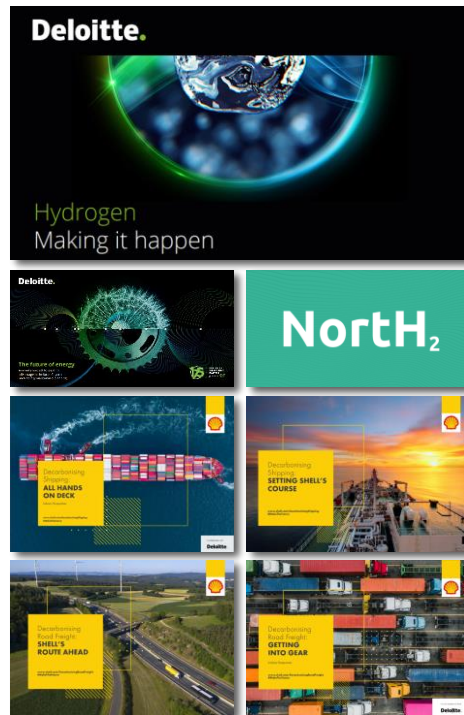
# Why Deloitte

The course has a strong foundation with our experience and expertise in the industry

## Proven track record

### Industry knowledge

*Through our projects we aid directly in the decarbonization of our clients*



### Experienced experts and facilitators

*Our energy practice includes ~5,300 practitioners who provide daily future of energy insights*



**Tarek Helmi**  
Partner in Consulting  
Future of Energy Leader NL



**Eric Vennix**  
Partner in Consulting  
Global Future of Energy Lead

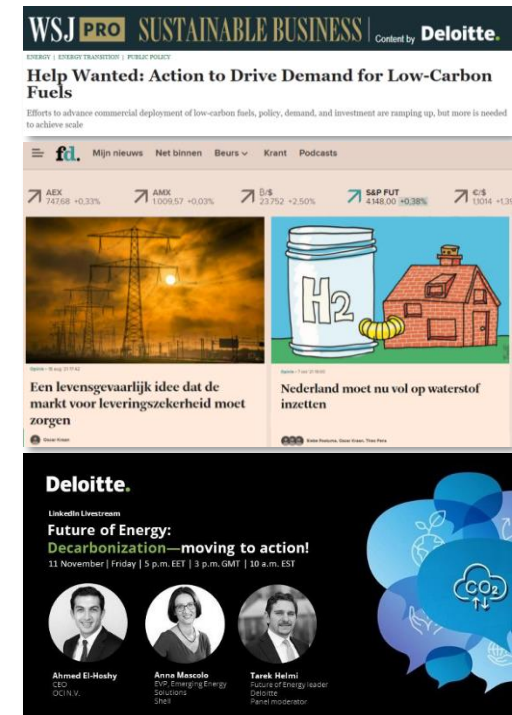


**Oscar Kraan**  
Manager in Consulting  
Future of Energy expert

Strongly represented in NL

### Thought leaders

*Online and offline engagement with society enables us to actively participate in decarbonization discussion*





## Meet your organizing team

The Future of Energy Business Course is made possible by the Deloitte Impact Foundation, committed to bring a positive impact to society, sharing our core competences, knowledge and network in societal initiatives

### Examples of other projects

Cleaning the Ocean

## The Ocean Cleanup




Deloitte has been supporting **The Ocean Cleanup** since 2017. Every year, dozens of Deloitte colleagues across all functions put in their boundless energy and best expertise to help the non-profit organization in **any way that they can**. A special **Core team** ensures that all projects are managed in the right direction

The team offered The Ocean Cleanup a broad range of support, such as developing a **comprehensive model** to calculate the global economic **impact of plastic pollution**, and strategy support to **enhance their business model**.

Animal welfare

## AI for Animals



Concerns about the **effectiveness of animal welfare oversight** in slaughterhouses have raised the demand for better camera surveillance.

Deloitte created an **AI solution** that can **automatically detect** and label potential animal welfare deviations, which are displayed in a dashboard for **Quality Assurance review**. Users of the dashboard can identify trends, based on which **interventions** and corrective measures can be triggered.

Deforestation prediction

## World Wildlife Fund

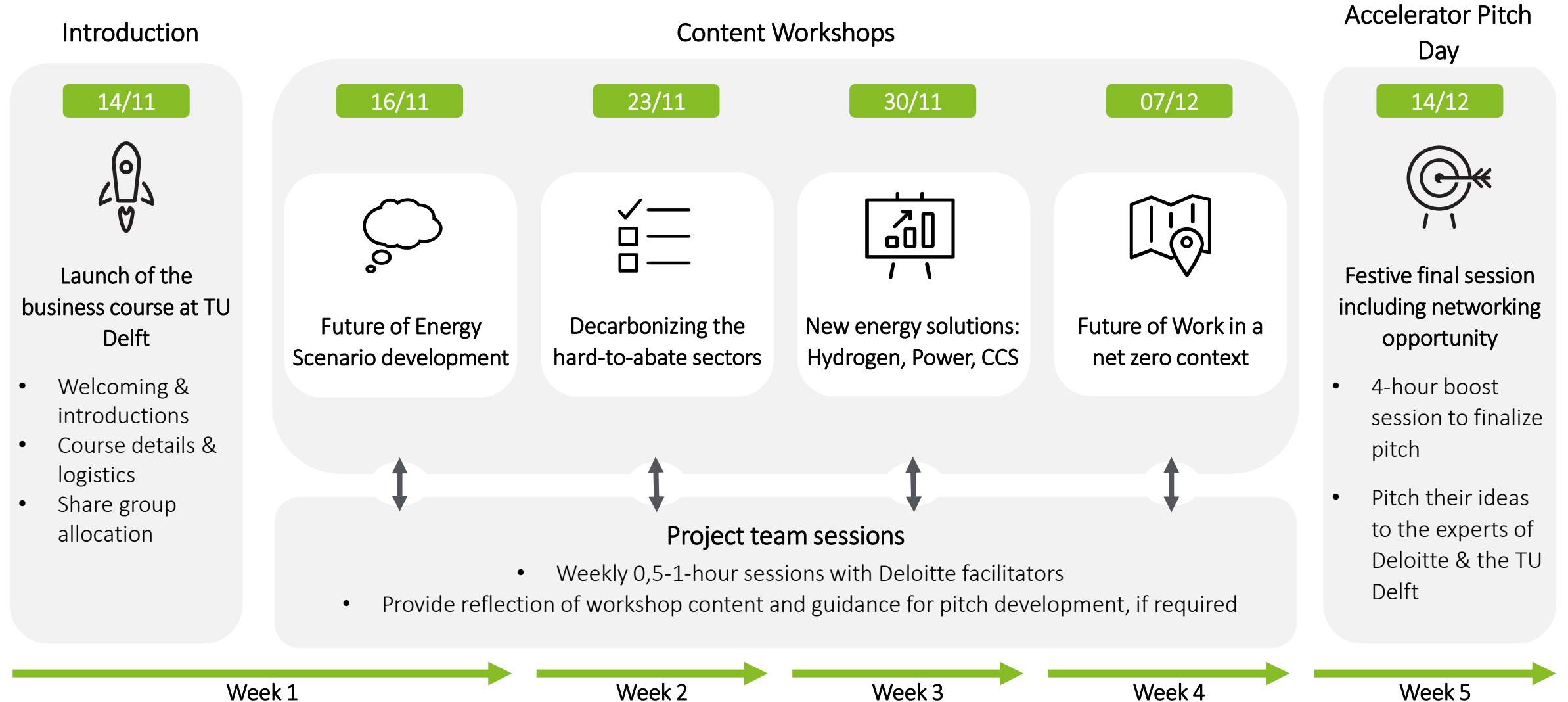


A **tech consortium** led by Deloitte joined forces with **WWF** to **prevent illegal deforestation of rainforests** around the world using an Early Warning System.

The aim is to reduce **illegal deforestation by 30%**, reducing millions of tons of **CO2 emissions**, avoiding thousands of hectares of forest loss, and **preserving habitats** of iconic species like the orangutan

# Course Overview

The course consists of an introduction, content workshops and project team sessions and finishes with an accelerator pitches day



# Business Course Introduction

In week 46, the course kicks off with an introduction session in Delft to introduce and explain the Business Course

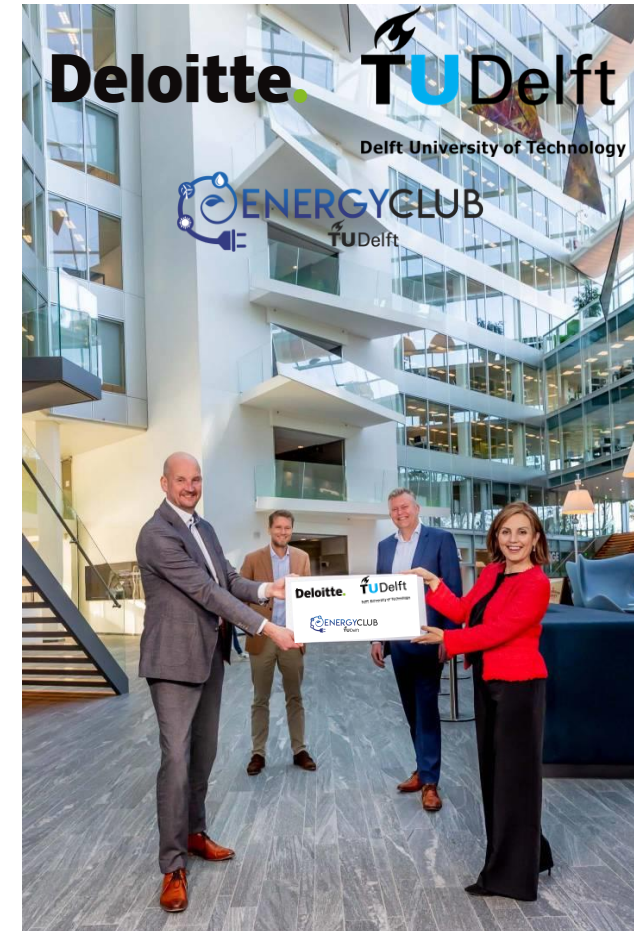


## Introduction

- Date: 14/11/2023
- 2-hour festive launch session at the TU Delft
- Participation of Deloitte experts and TU Delft stakeholders
- Session owner: PMO manager

### Goals of the session:

- Welcome the participants to the course and facilitate introductions
- Introduce the course: workshops, project teams and accelerator ideas
- Explain the course structure, topics, planning, timing and logistics
- Introduce accelerator ideas and share group allocation



Example image



# Future of Energy Workshop

The first workshop will be hosted in Amsterdam and discusses how to develop scenarios for the energy transition and their value from a business perspective

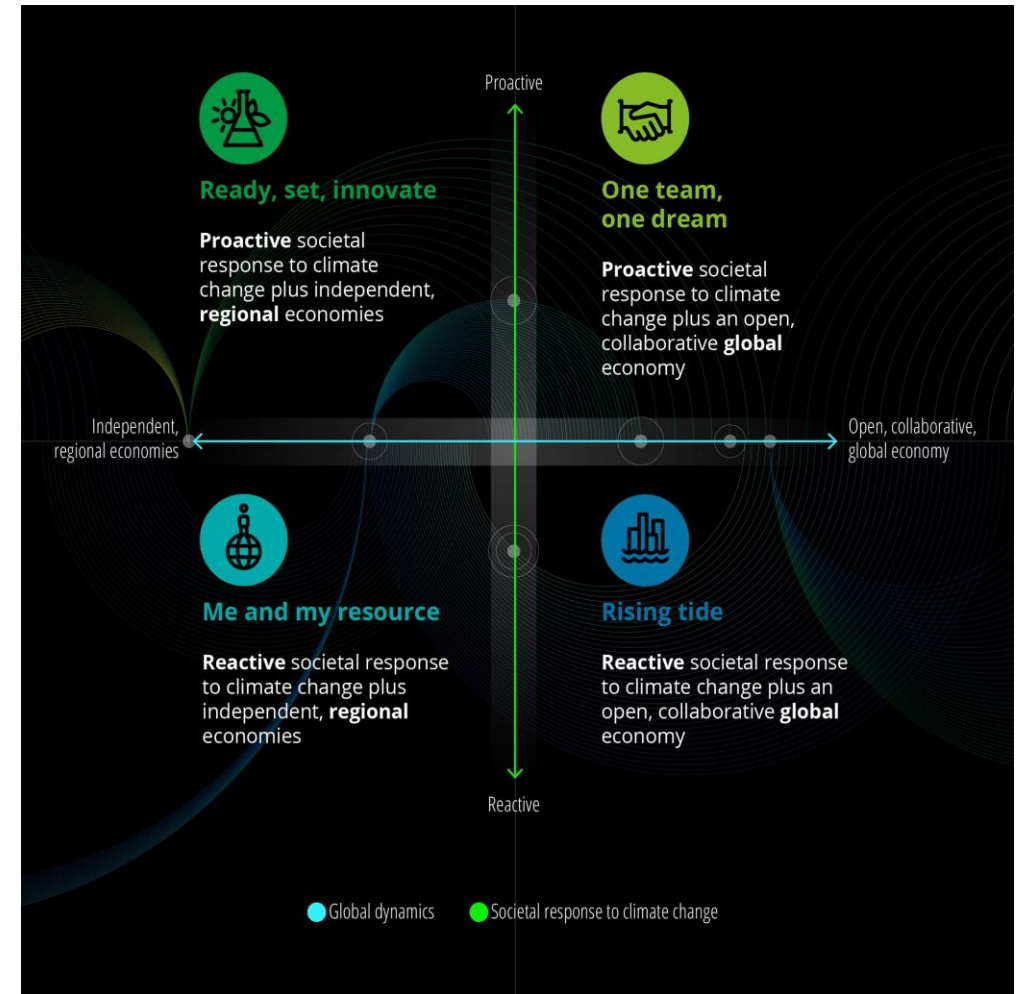


## Future of Energy Scenario development

- Date: 16/11/2023
- Time proposed: 13:00 – 17:00
- 4-hour workshop session at the Edge, Amsterdam
- 2–3-hour content presentation and 1-hour break-out rooms
- Facilitated by Deloitte experts
- Session owner proposed: Oscar Kraan

### Goals of the session:

- Discuss how to develop scenarios for the energy transition
- Explain the value of these scenarios from a business perspective





# Decarbonization Workshop

The decarbonization workshop will take place in Amsterdam and discusses the decarbonization options, challenges and opportunities of the hard-to-abate sectors

## ✓ — Decarbonizing the hard-to-abate □ — sectors □ —

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- Date: 23/11/2023
- Time proposed: 13:00 – 17:00
- 4-hour workshop session at the Deloitte Rotterdam office
- 2–3-hour content presentation and 1-hour break-out rooms
- Facilitated by Deloitte experts
- Session owners proposed: Rogier de Jong & Rik Schuppers

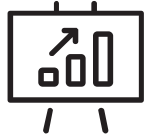
### Goals of the session:

- Discuss decarbonization options, challenges and opportunities of the hard-to-abate sectors
- Discuss the hard-to-abate sectors including Shipping, Road Freight, Aviation, Steel, Construction



# New Energy Solutions Workshop

The third workshop will be hosted in Rotterdam and discusses the role of different energy carriers for the new energy solutions and the development of non-existent markets

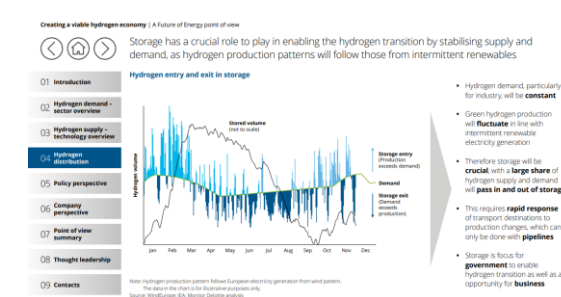
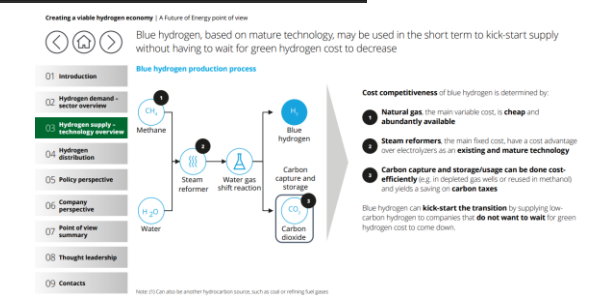
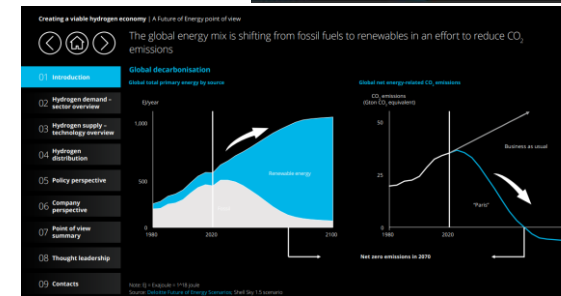
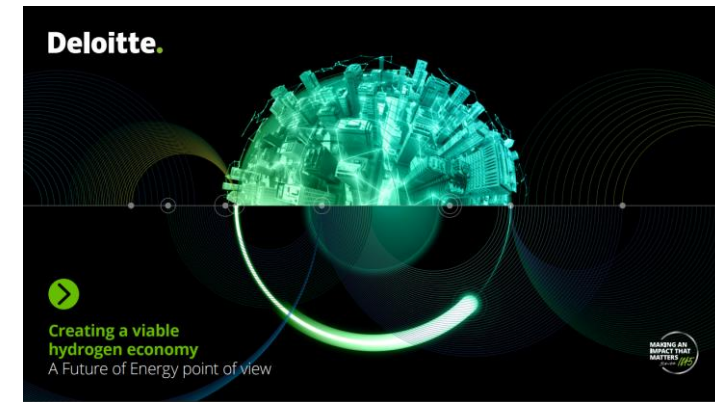


## New energy solutions: Hydrogen, Power, CCS

- Date: 30/11/2023
- Time proposed: 09:00 – 13:00
- 4-hour workshop session at the Deloitte Rotterdam office
- 2–3-hour content presentation and 1-hour break-out rooms
- Facilitated by Deloitte experts
- Session owners proposed: Joren Verkade & Jeroen van der Wal

### Goals of the session:

- Discuss the role of different energy carriers will be in new energy solutions (including hydrogen and its derivatives)
- Discuss how non-existent markets could be developed



# Future of Work Workshop

The last content workshop will take place in Rotterdam and explains the configuration of the workforce of the future, which supports Deloitte net zero future goals

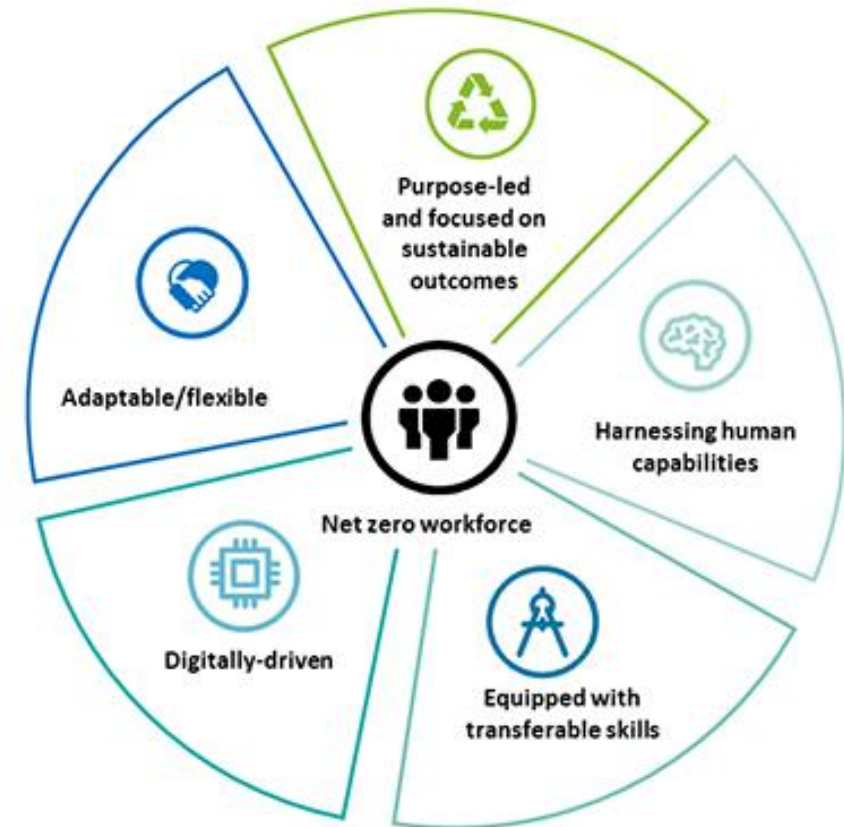


## Future of Work in a net zero context

- Date: 07/12/2023
- Time proposed: 13:00 – 17:00
- 4-hour workshop session at the Deloitte The Garage office
- 2-hour content presentation and 2-hour break-out rooms
- Facilitated by Deloitte experts
- Session owner proposed: Heike Dekker-Schäch

### Goals of the session:

- Discuss how to configure the workforce of the future to support our net zero future goals



# Accelerator Pitches Day

In the last session project teams will finalize their pitches and will present them to an expert panel consisting of topic experts from Deloitte and TU Delft



## Accelerator Pitches day

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- Date: 14/12/2023
- Full day session at De Mahler, Amsterdam
- 4–6-hour pitch preparation and finalization guided by Deloitte facilitator
- 2-hour accelerator pitches for expert jury consisting of Deloitte and TU Delft experts
- Session owner: PMO manager

### Goals of the session:

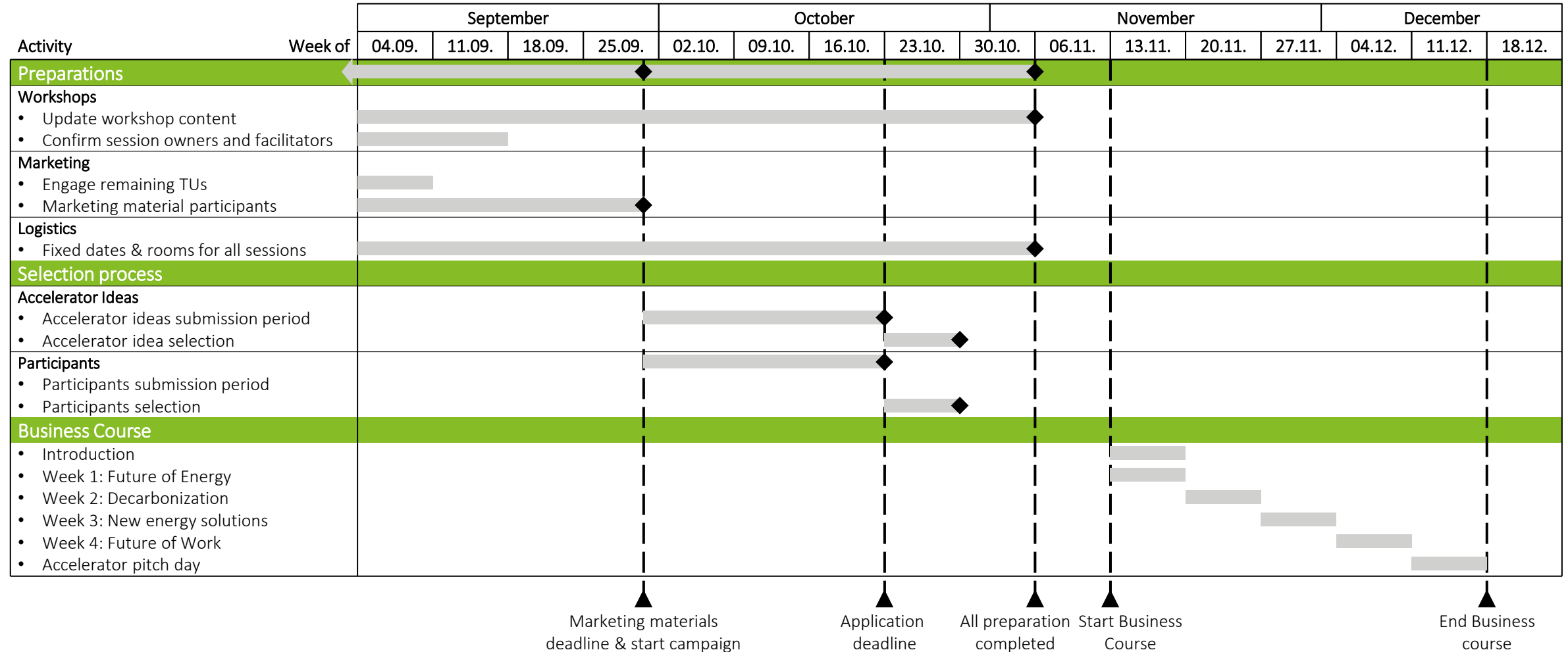
- Assist participants in optimizing their accelerator idea pitch
- Determine winning group and successful completion of the business course





# Planning Preparations

There are several activities to be completed for the business course, all the preparatory activities are to be completed one week before the start of the business course

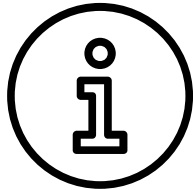


# Appendix A

## Participants and idea selection

## Participants

Participants can apply with a resume and a short combination of accelerator idea and motivation, after which Deloitte will provide the selection before the course can start in week 46



### JOINT MARKETING

Collective responsibility  
Deloitte & TU Delft  
Targeted (TU) audience:

- 3<sup>rd</sup> year Bachelor
- Master Students

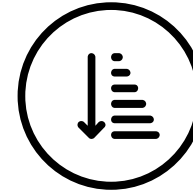
Open for:

- PhD candidates



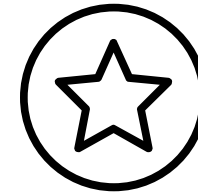
### COURSE APPLICATION

CV + 200 word motivation  
why the applicant wants to  
be part of the program and  
a short description of an  
accelerator idea the  
applicant would like to  
work on  
**Deadline: 23-10**



### SELECTION

Deloitte will select ~30 - 40  
students to participate in  
the course based on letter,  
academic merit and  
extracurricular  
achievement  
**Deadline: 30-10**

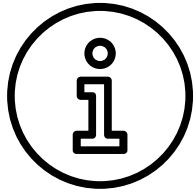


### COURSE START

Participants dedicate a  
total of ~40h during 4  
weeks and can show  
preference for specific  
ideas but are otherwise  
assigned an accelerator  
idea during the course  
**Start: week 46**

## Accelerator Ideas

TU staff can submit ideas for selection by Oct 23<sup>rd</sup>, and a joint TUD – Deloitte team of 4 people select which ideas will be developed further during the course



### JOINT MARKETING

Collective responsibility  
Deloitte & TUD

Targeted (TU) audience:

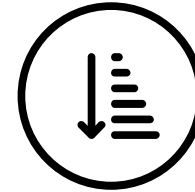
- University staff



### SUBMIT IDEAS

200 word summary of idea  
+ short motivation on what  
participant hopes to gain  
from the program (e.g.  
financial viability  
assessment)

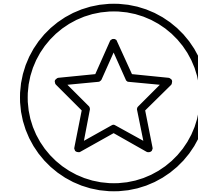
**Deadline: 23-10**



### SELECTION

Panel of 4 judges (2 D, 2  
TUD) will each create an  
individual top 4, final top 5  
will be selected in  
communal meeting

**Deadline: 06-11**



### IDEAS PART OF COURSE

Those who have submitted  
top 5 ideas gain access to  
the group of students  
guided by experienced  
Future of Energy  
consultants working on  
their idea (if desired)





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