



CERTIFIED EXPERT IN CLIMATE AND RENEWABLE ENERGY FINANCE

↑ Certificate Program



Frankfurt School

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CLIMATE AND RENEWABLE ENERGY FINANCE

Course Objective

This course will help you to understand different perspectives on financing climate and renewable energy (RE) projects: firstly, participants will learn to understand the big picture of climate change and the various fields of investments resulting from climate policy needs, with RE investments being a central pillar. Secondly, they will be introduced to a project and business case perspective and learn which parameters are used to assess the financial viability of a climate or RE investment. Thirdly, the course will deep dive into RE investments and participants will learn why markets alone might fundamentally not be able to trigger RE investment in a way necessary to mitigate climate change and which support instruments are available across different countries. Fourthly, participants will get a comprehensive overview on the various RE business cases that are on the market and will learn about the basics of RE technologies and typical RE project risks relevant for financial professionals. Fifthly, the universe of RE investors will be presented to

participants linking back to the previously introduced learnings on financing RE projects including, but not limited to dealing with the specific risk profile of capital intense business models in an often policy and regulation driven market. Finally, participants will be introduced to key parameters of financing and structuring RE projects and will learn how to apply them by setting up and using an excel-based cash flow model for a RE project.

Target Group

This course has a clear focus on finance and is suitable for both public and private sector practitioners, including entrepreneurs, project developers, private investors, initiator/fund houses, international development finance consultants and managers, plant operators and manufacturers, engineers and advisory professionals (e.g. law firms, business and tax consultants). Other interested parties, such as academics in relevant fields, are of course also welcome to register to the course. Please feel free to contact us.



Prof. Dr. Ulf Moslener

- Professor of Environmental Economics & Sustainable Energy Finance
- Scientific Director of the FS-UNEP Collaborating Centre for Climate & Sustainable Energy Finance



Marijana Galonja

Programme Manager
Sustainable World Academy

All Info on the topic
➤ www.fs.de/cecrf

STUDY CONTENT

Facts

Learning format

Online course

Course intakes

March – August

September – February

Duration of the programme

6 months

(Course extension possible for a charge)

Workload

5 – 8 hours per week

Type of examination

Assignments (case studies) & final examination

(2 hours in online format)

Graduation

Certified Expert in Climate and

Renewable Energy Finance

Credits

6 ECTS

Eligibility

Diploma in Green Finance

Master of Leadership in Sustainable Finance

(online)

Unit 1

Introduction to Climate & Renewable Energy Finance in the Context of Climate Change and Climate Policy

- Learning about the big picture of climate and renewable energy finance and putting it into context of science, economics of climate change and policy

Unit 2

Overview on Climate Finance

- What is part of climate finance in the areas of mitigation and adaptation?
- Deep dive in specification of sectors, products, finance landscape, and finance needs (e.g. NDC tracker, public vs. private) to understand the importance and relevance of RE in terms of scale and contribution to climate finance

Unit 3

Basics of Finance and Investment

- Gain a methodological understanding of financing at the project level
- Understanding basics of finance and investment, with a focus on investment calculation (key terms, typical KPIs) and key specifics of business cases in general in reference to climate and RE

Unit 4

The Role of Regulation and Support Frameworks

- Understanding why markets alone might fundamentally not be able to trigger RE investment in a way necessary to mitigate climate change and which support instruments and support frameworks are available across different countries, including dynamic perspective and implications for project risk profiles

Unit 5

Business Models for Renewable Energy

- Get an overview of the broad variety of RE business cases on the market with an focus on onshore and off-shore wind and solar PV
- Typology of RE business models

Unit 6

Technical Knowledge on RE Technologies and Electricity Markets

- Understanding the basic physics of electricity generation and the technical basics of the main RE technologies to identify project risks and to derive the optimal financing structure
- What are the specific challenges in these technologies?

Unit 7

The Universe of Climate and RE Investors

- Understand the universe of investors into RE, driven by different perspectives (risk/return/strategy/...), together with the main financing channels

Unit 8

Financing Structures, Financial Instruments and Donor Interventions for RE Projects

- Introducing major financing structures, financial instruments and donor interventions for RE projects

Unit 9

Applying Knowledge in Practice: Financial Modelling

- Building on the knowledge gained in the previous units, this unit teaches you to build a simple financial model for a RE project in EXCEL

Unit 10

Excursus – Financing for Energy Efficiency

- Energy efficiency - why is there also support frameworks necessary for it?
- What is typical EE regulation?

STUDY CONCEPT



Our certificate programs will help you to systematically develop your qualifications and knowledge, to shape them successfully and to advance your career.

Our online certificate courses are offered on a part-time basis and take 6 months to complete. The flexible approach of our courses allows you to follow your own and individual curriculum, taking into account a few deadlines. This makes it possible to complete the course in parallel with demanding jobs and private commitments.

The Certified Expert in Climate and Renewable Energy Finance (CECRF) is designed as an online course. Methodologically, this course is based on video lectures, PDF scripts, interactive forums, exercises, and case studies. The topics and international discussions, best practices and lessons learned are deepened by means of practical examples from the field. Short online quizzes check your learning progress.

At the end of the course, the participants work on practical assignments and put their newly acquired knowledge into practice - supported by our experienced team of trainers. They are given the opportunity to take part in a discussion forum.

Here, all course-specific topics and contents are discussed and a lively exchange of experiences and ideas takes place. Furthermore, the multilingual e-Campus team is always available to answer questions of any kind.

After successfully completing the e-learning course, graduates receive a Frankfurt School certificate, which will entitle them to identify themselves as Certified Experts in Climate and Renewable Energy Finance.

CLASSROOM TRAINING

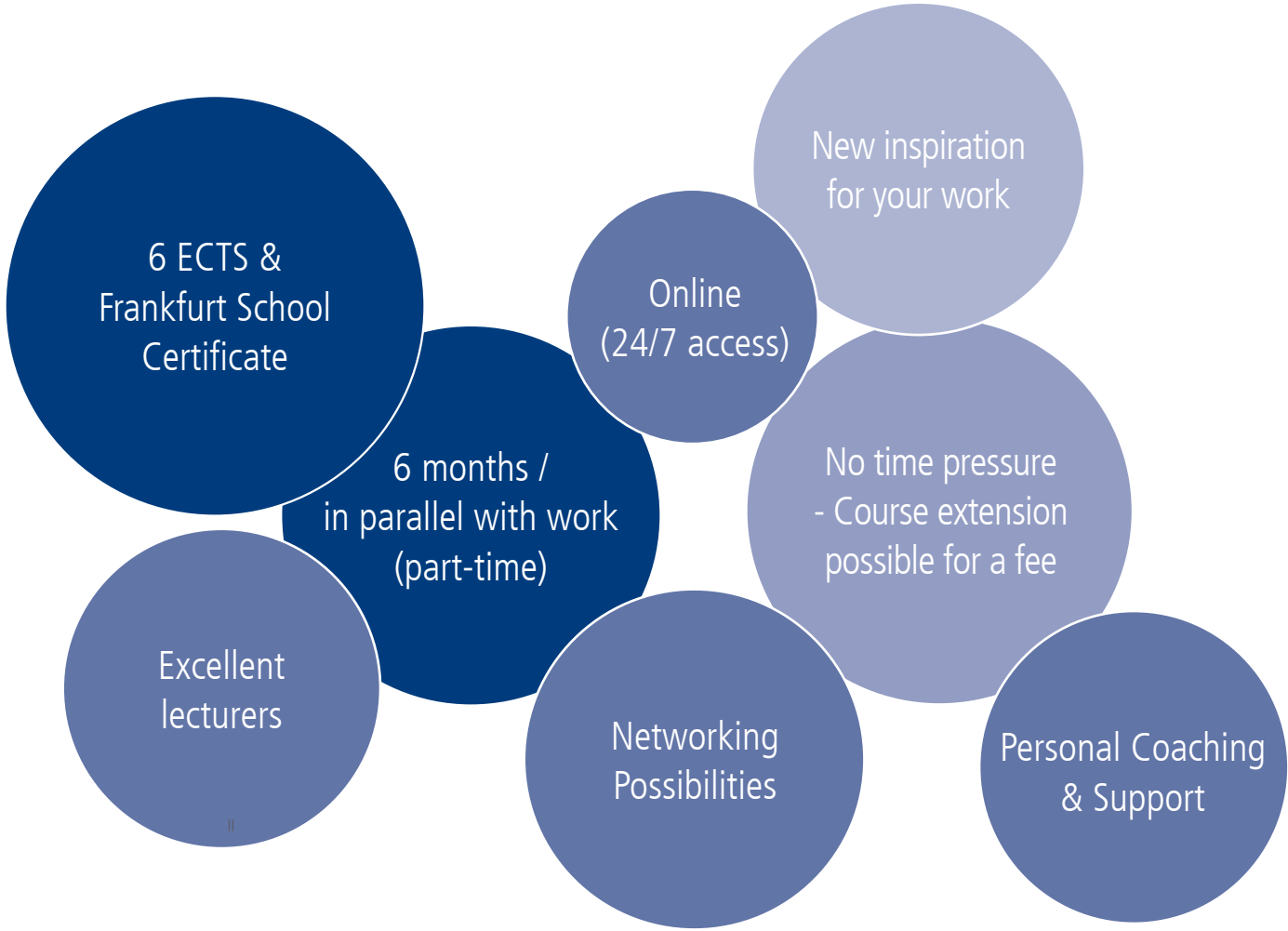
The voluntary classroom training is a practical complement to the e-learning course. It can be booked independently of the course or in combination with it. The 2-day classroom training takes place on the new campus of the Frankfurt School of Finance & Management. Although it does not affect the certificate

issue, it provides excellent support for the practical application of the acquired knowledge. You will get to know your fellow students and trainers personally, and have the chance to discuss and network with them about relevant topics. An agenda for the training could look like the following:

Time / Day	Day 1	Day 2
09:00 - 12:30	Welcome and introduction	Implementing ESG Principles in Fund Management
	Risk Management in Sustainable Finance	
	Break	Break
	Risk Management in Sustainable Finance	Implementing ESG Principles in Fund Management
12:30 - 13:30	Networking Lunch	Networking Lunch
13:30 - 17:00	Future of Sustainability Data	Climate Scenarios Analysis in Real Estate Sector
	Break	Break
	ESG Data & Rankings	Climate Scenarios Analysis in Real Estate Sector
17:00	Keynote and Networking Drinks	Farewell Drinks

Language
German/English or English depending on the composition of the participants

BENEFITS AT A GLANCE



Your contribution towards achieving the UN SDGs
This course expands your knowledge about the following SDGs. The Sustainable World Academy (SWA) offers courses for professionals and managers that aim, among other things, to promote the UN goals for sustainable development (SDGs).



REGISTRATION DEADLINES AND TUITION FEES



Next course intakes:

1 September 2023 – 29 February 2024
1 March 2024 – 31 August 2024

E-Learning

Registration period	Fee
Until 15 January / 15 July	EUR 1,485
After 15 January / 15 July	EUR 1,700

Classroom training*

Registration period	Fee
Until 15 January / 15 July	EUR 1,485
After 15 January / 15 July	EUR 1,700

Package (E-learning + Classroom*)

Registration period	Fee
Until 15 January / 15 July	EUR 2,550
After 15 January / 15 July	EUR 2,850

Certificate fee

After passing the exam, you will receive a digital certificate. Should you require a printed version of your certificate, we charge a service fee of EUR 50.

Sustainable World Academy Package

Secure an exclusive 30% discount for the Frankfurt School Summer Academy.

Further information

➔ www.fs.de/summeracademy

You can register here
➔ www.fs.de/cecrf

Discounts


10%

Group discount
(for 2 or more participants of the same organization/ institution)


10%

for FS Alumni

Payment options

 Bank transfer

 Credit card

 PayPal

Unfortunately, payment in installments is not possible



YOUR LECTURERS



Prof. Dr. Ulf Moslener

- Professor of Environmental Economics & Sustainable Energy Finance
- Head of Research at the FS-UNEP Collaborating Centre for Climate & Sustainable Energy Finance



Karsten Löffler

- Head at the FS-UNEP Collaborating Centre for Climate & Sustainable Energy Finance
- Management of the Green and Sustainable Finance Cluster Germany
- Member of the Technical Expert Group on Sustainable Finance of the European Commission
- Chairman of the Advisory Council for Sustainable Finance of the German Federal Government



Dr. Christine Grüning

- Senior Project Manager at FS-UNEP Collaborating Centre for Climate & Sustainable Energy Finance

The FS-UNEP Centre

The content of this course was developed by the Frankfurt School - UNEP Collaborating Centre for Climate & Sustainable Energy Finance. The Centre has been a strategic cooperation between Frankfurt School and the United Nations Environment Programme (UN Environment) since 2009. The aim of the Centre is to promote public and private sector investment in the reduction of greenhouse gas emissions, but also in the field of climate adaptation measures in developing and emerging countries, as well as in industrialized nations. As a "Think-and-Do-Tank" the Centre combines research, teaching, training and consulting services.
➔ www.fs-unep-centre.org

Sustainable World Academy

The Sustainable World Academy develops technical, educational and professional training courses to promote the UN goals for sustainable development (UN-SDGs). The courses are offered online through our e-campus platform and in classroom, e.g., our Inclusive Finance Summer Academy.
➔ www.fs.de/swa

Other course lecturers

- **Carola Menzel**, Senior Climate Finance and Policy Expert at Frankfurt School-UNEP Centre
- **Menglu Zhuang**, Researcher at Frankfurt School-UNEP Centre, Expert for sustainable finance
- **Dr. Karol Kempa**, Researcher at Frankfurt School-UNEP Centre
- **Tobias Panofen**, Senior Project Manager at Frankfurt School-UNEP Centre, renewable energy finance specialist
- **Maria Jesus Baez**, Senior Project Manager at Frankfurt School-UNEP Centre

* If less than 16 people attend, the training will not take place, and the amount will be refunded.

WE SHAPE THE ECONOMY AND FUTURE

Our graduates are the authors of the Frankfurt School success story. For more than 60 years we have been training young talents and experienced professionals.

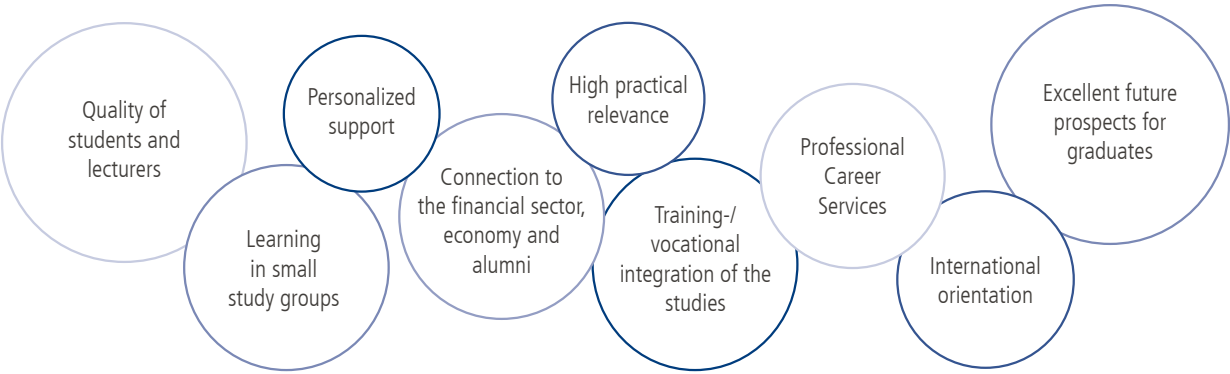
The Frankfurt School of Finance & Management is a leading private business school with its headquarters on the new campus in Frankfurt am Main. It is represented by numerous regional educational centers throughout Germany and many affiliates and programs abroad.

It offers challenging study and executive education opportunities in various program areas. These include scientific research centers and numerous national and international consulting projects. All teaching, research and consulting activities take place in the field of conflict between business, finance and management.

We see finance as a cross-divisional function in all companies, who deal with the management of funds. In management, we support managers in their efforts to manage staff and material resources to achieve the goals of the company as economically as possible.

With its educational programs, courses of study, research and consultancy projects, the Frankfurt School is a valued source of advice and inspiration, as well as an educational partner for companies and organizations, for young professionals and experienced specialists and managers.

Reasons to choose Frankfurt School



Facts & Figures

1957 Founded as Bank Academy e.V.	2004 Scientific university	2008 Non-profit limited liability company owned by the Frankfurt School Foundation	2017 Move to the new Campus at Adickesallee 32-34	Frankfurt office Administration & Campus
2462* Students in the academic programs	1529* Students in the extra-occupational programs	39.019* Participants in trainings	> 106.000 Graduates from academic and extra-occupational programs	Study centers Hamburg and Munich
				54 other places of study in Germany
				Project Offices worldwide

CONTACT

Whatever information and support you need for your studies - we will be happy to help you find out whether the Certified Expert in Climate and Renewable Energy Finance course is suitable for you. Please feel free to contact us if you have any questions. We are looking forward to your call or message!



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