



CERTIFIED EXPERT IN CLIMATE AND RENEWABLE ENERGY FINANCE

↑ Certificate Programme

CONTENT



3

Climate and Renewable Energy Finance

4

Study Content

5

Study Concept

6

Benefits at a Glance

7

Registration Deadlines and Tuition Fees

8

Your Lecturers

9

We Shape the Economy and Future

10

Contact

CERTIFIED EXPERT IN 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



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 programmes 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

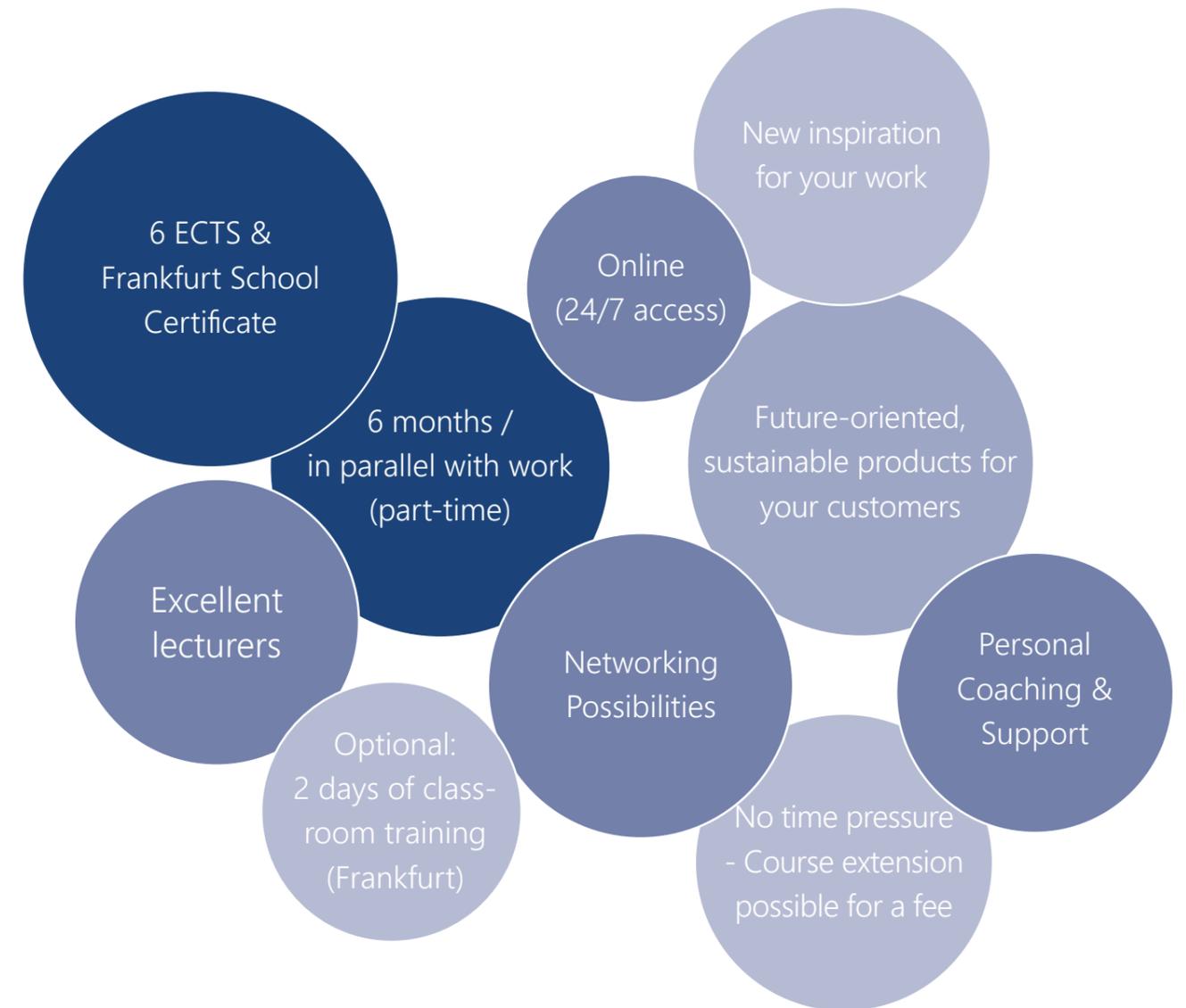
The voluntary classroom training is a practical complement to the e-learning course. It can be booked independently of the course or in combination with it. The 2-day classroom training takes place on the new campus of the Frankfurt School of Finance & Management. Although it does not affect the certificate 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
9:00 – 13:00	Welcome and Introduction	Case Study 1 – analysis and structuring of an onshore wind power plant
	Fundamentals of Project Finance	
	Break	
	Risk and barriers of renewable energy finance	
13:00 – 14:00	Lunch break	Lunch break
14:00 – 18:00	Financial structuring of renewable energy projects	Case study 2 – analysis and structuring of a solar PV power plant
	Break	
	Cash flow modeling	
18:00	Networking Event	Farewell Drinks

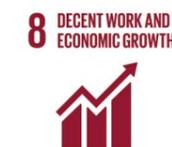
Language
German/English or English depending on the composition of the participants

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:

September to February
March to August

E-Learning

Registration period	Fee
Until 15 January / 15 July	EUR 1,600
After 15 January / 15 July	EUR 1,900

Classroom training*

Registration period	Fee
Until 15 February / 15 July	EUR 1,600
After 15 February / 15 July	EUR 1,900

Package fees

Registration period	Fee
Until 15 January / 15 July	EUR 2,750
After 15 January / 15 July	EUR 3,150

Discounts

10%

Group discount

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

10%

for FS Alumni



You can register here

➔ www.fs.de/cecrf

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

YOUR LECTURES



Prof. Dr. Ulf Moslener

Professor of Environmental Economics & Sustainable Energy Finance



Karsten Löffler

- Co-Head of Global Shield Solution Platform IAS UNEP
- 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

Director at FS-UNEP Collaborating Centre for Climate & Sustainable Energy Finance



Jan Andreas

- Teaching at Frankfurt School of Finance & Management and at University of Applied Sciences Frankfurt.
- Working in the banking sector since 1999, specializing in financing renewable energy projects.
- Gained extensive experience in various financial institutions.

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

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.

Frankfurt School of Finance & Management is a leading business school in Europe. It holds triple-crown accreditation from AACSB, AMBA, and EQUIS. Its programmes are regularly ranked among the top performers in prestigious university rankings. It is represented by numerous regional educational centres throughout Germany and many affiliates and programmes abroad. It offers challenging study and executive education opportunities in various program areas. These include scientific research centres and numerous national and international consulting projects.

The Frankfurt School promotes the UN goals within the **Sustainable World Academy** for Sustainable Development (UN-SDGs) through its educational programmes, courses of study, research, and consultancy projects. The courses are offered online and in classrooms through our e-Campus platform. Ranging from online courses to on-campus trainings and customised programmes, we are able to provide education solutions to fit all schedules to companies and organisations for young professionals, experienced specialists, and managers.

Sustainable World Academy Facts & Figures*



*Figures as of 31 December 2023

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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