



Department for  
Business, Energy  
& Industrial Strategy



## AGENDA

LAST UPDATED: NOVEMBER 4, 2019

# ENERGY STORAGE IN EMERGING MARKETS: THE NEXT FRONTIER



Join the conversation at  [#EnergyStorageNow](https://twitter.com/EnergyStorageNow)

**Date/ time** November 5th, 2019 from 9:00am – 5:30pm, followed by Reception

**Venue** EBRD Headquarters, One Exchange Square, London, United Kingdom

**Objective** This global event on energy storage will bring together key stakeholders including policy makers, technology providers, financiers, among others, to discuss policy, financial, technology, and other aspects of the global energy storage market, and mark the launch of the new Climate Investment Funds' Global Energy Storage Program.

**Background** The global market for energy storage is expected to grow to over 1,000 GW by the year 2040 creating investment opportunities worth over USD 650 billion. With dipping costs, the potential for energy storage to accelerate the clean energy transition is well known, but there are several barriers that hinder its wider deployment around the world.

Hosted by the Government of the UK's Department for Business, Energy, and Industrial Strategy (BEIS), the Climate Investment Funds<sup>1</sup>, and the six CIF partner multilateral development banks,<sup>2</sup> this event will provide a platform for key stakeholders to dive into the challenges and opportunities of financing, developing, and deploying energy storage projects across a range of technologies in the developing world, and will provide great networking and business development opportunities for participants.

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- <sup>1</sup> Through the recently established Global Energy Storage Program, the Climate Investment Funds (CIF) is increasing its focus on delivering energy storage solutions in developing countries. Established in 2008, the \$8.3 billion CIF is providing 72 low and middle-income countries with urgently needed resources to manage the challenges of climate change and reduce their greenhouse gas emissions. Over the past decade, it has been leading efforts to empower transformations in the energy, climate resilience, transport and forestry sectors.
  - <sup>2</sup> The six partner MDBs are: African Development Bank (AfDB), Asian Development Bank (ADB), European Bank for Reconstruction & Development (EBRD), Inter-American Development Bank (IDB), International Finance Corporation (IFC) and The World Bank (IBRD).

# ENERGY STORAGE IN EMERGING MARKETS: THE NEXT FRONTIER

**8:15am - 9:00am**      **Registration and Refreshments (please allow extra time to pass through security)**

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**9:00am - 9:30am**      **Welcome and High-level remarks**

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- **Josué Tanaka**  
*Managing Director, Energy Efficiency and Climate Change and Operational Strategy and Planning, EBRD*
- **Julian Critchlow**  
*Director General, Energy Transformation and Clean Growth, Department of Business, Energy and Industrial Strategy*
- **Mafalda Duarte**  
*Head, Climate Investment Funds*

**9:30am - 9:45am**      **Keynote address: The Energy Transition**

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- **Amy Grace**  
*Head of Cleantech Research, Bloomberg NEF*

**9:50am - 11:00am**      **Plenary session: The role of energy storage in the energy transition**

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## **Summary:**

This session will convene a range of stakeholders to discuss the important role of energy storage in the energy transition, as well as their experiences on the ground in emerging markets.

## **Panelists:**

- **Paul McCusker**  
*Vice President EMEA, Fluence*
- **Aida Sitdikova**  
*Director Energy, Eurasia, Sustainable Infrastructure Group, EBRD*
- **Michael Harper**  
*Energy Lead, UK, Lockheed Martin*
- **Chandrasekar Govindarajalu**  
*Lead Energy Specialist, World Bank*
- **Luis Munuera**  
*Smart Grids Technology Lead, IEA*

## **Moderator:**

- **Akshat Rathi**  
*Senior Reporter, Quartz*

# ENERGY STORAGE IN EMERGING MARKETS: THE NEXT FRONTIER

11:00am - 11:20am **Coffee Break**

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11:20am - 12:15pm **Storage 101: Key technologies**

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## Summary:

This session aims to provide an overview of key issues, considerations and the energy storage technologies that are at various stages of development and deployment globally. It will also host a range of views regarding the maturity level of different technologies that can be part of the solutions in developing countries over the next decade to help increase penetration of renewable energy and improve energy access.

## Technology Overview:

- **Peter Mockel**  
*Principal Industry Specialist, IFC*

## Discussants:

- **Rory McCarthy, Senior Analyst**  
*Global Energy Storage Wood Mackenzie Power & Renewables*
- **Stephen Gifford**  
*Head of Economics and Market Insights, Faraday*

## Moderator:

- **Jonathan Walters**  
*Senior Advisor, Castalia*

12:15pm - 1:15pm **Lunch**

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## ENERGY STORAGE IN EMERGING MARKETS: THE NEXT FRONTIER

1:15pm – 2:15pm

### Plenary session: Policy and regulatory landscape and potential implications in developing countries

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#### Summary:

The session will focus on the policy and regulatory considerations for scaling up energy storage deployments in developing countries.

#### Panelists:

- **Marcelino Madrigal**  
*Principal Energy Specialist, IDB*
- **Akram Waheed**  
*Engineer/ Specialist Coordinator (ASPIRE), Ministry of Environment, Maldives*
- **Markus Rosenthal**  
*Head of Policy and Regulation, German Energy Storage Association*
- **Harsh Thacker**  
*Director, Consulting Services, India Energy Storage Alliance*
- **Giuseppe Artizzu**  
*Executive Director, Global Strategy, Engie EPS*

#### Moderator:

- **Gareth Phillips**  
*Manager, Climate and Environment Finance, African Development Bank*

2:15pm – 2:30pm

### Coffee Break

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# ENERGY STORAGE IN EMERGING MARKETS: THE NEXT FRONTIER

2:40pm - 3:25pm

## Breakout Sessions #1

### Auditorium

#### Overview of the Energy Storage Partnership (ESP)

- **Hosted by the World Bank and ESP partners**  
This session will describe the objectives and work program of the Energy Storage Partnership (ESP), a global partnership convened by the World Bank Group to foster international cooperation to adapt and develop sustainable energy storage solutions in developing countries.

### EBRD Boardroom

#### Beyond the Battery: Innovative technologies and approaches for energy storage

- **Henrik Stiesdal**  
*CEO, Steisdal Storage Technologies*  
“Energy Storage: Beyond Batteries”
- **Michael Geyer**  
*Senior Advisor, German Aerospace Center and Advisor, Malta Inc.*  
“High temperature thermal storage of electricity for global energy transition from fossil to renewables – converting coal plants into storage plants”
- **Gianmarco Zorloni**  
*Energy Vault*  
“Ground-breaking energy storage technology- Enabling a planet powered by renewable resources”
- **Moderated Q&A led by Jonathan Walters, Senior Advisor, Castalia**

3:25pm - 3:35pm

## Participants Move to Breakout Session #2

3:35pm - 4:20pm

## Breakout Sessions #2

### Auditorium

#### Developing country experience in energy storage planning and deployment

- **Akram Waheed**  
*Engineer/ Specialist Coordinator (ASPIRE), Ministry of Environment, Maldives*
- **Harsh Thacker**  
*Director, Consulting Services, India Energy Storage Alliance*
- **Matthew Rowe**  
*Head of Department for Energy Storage in Europe, the Middle East and Africa, DNV GL*

### EBRD Boardroom

#### UK Government Policy and Capability in Energy Storage - Hosted by the UK Department for Business, Energy and Industrial Strategy

# ENERGY STORAGE IN EMERGING MARKETS: THE NEXT FRONTIER

## 4:25pm - 5:25pm Plenary session: Financing the energy storage transition

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### Summary:

This session will look at the different considerations of a variety of stakeholders in financing energy storage technologies and business models.

### Panelists:

- **Hassen Bali**  
*Co-Founder and Director, Ion Ventures*
- **Daniel Wiedmer**  
*Unit Head for Greater Mekong Region, Infrastructure Finance, Asian Development Bank*
- **Zoe Norgate**  
*Deputy Director, International Climate Finance, UK BEIS*
- **Christopher Kaminker**  
*Head of Sustainable Investment Research and Strategy, Lombard Odier Investment Managers*
- **Shrey Kohli**  
*Head of Debt Capital Markets & Funds, Capital Markets, London Stock Exchange Group*

### Moderator:

- **Matthew Rowe**  
*Head of Department for Energy Storage in Europe, the Middle East and Africa, DNV GL*

## 5:25pm - 5:30pm Closing remarks

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- **Mafalda Duarte**  
*Head, Climate Investment Funds*

## 5:30pm - 7:30pm Reception

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