



# Renewable Energy for 5G Europe Conference

23 January 2020

# #REfor5G

**Date:** 23 January 2020 **Location:** Townhall Europe, Brussels **Time:** 14:00 – 18:00, followed by reception

**Organised by the GSMA, with the support of Wind Europe and SolarPower Europe**

## PROGRAMME

### 14:00 - OPENING BY AFKE SCHAART, VP AND HEAD OF EUROPE OF THE GSMA

#### 14:15 SESSION 1: ENERGY EFFICIENCY AND ENABLEMENT EFFECT OF 5G NETWORKS

In this opening session, we zoom in on 5G and energy efficiency. The new network will use less energy to transfer more data compared to 4G and will have more energy efficiency features. Therefore, 5G will be a useful tool for mobile network operators to manage their carbon footprint. The second angle of this session is on 5G as enabling technology for energy efficiency and energy transition.

- Mats Pellbäck Scharp, Head of Sustainability at Ericsson
- Leon Zhang, VP 5G Product Line at Huawei
- Philip Laidler, Partner and Consulting Director at STL Partners
- Jikke Op de Weegh, Lead ACN Sustainability at KPN
- Moderator: Joop Hazenberg, GSMA

#### 14:50 - SESSION 2: POWER PURCHASE AGREEMENTS, CORPORATE SOURCING AND ADDITIONALITY OF RENEWABLE ENERGY

Here we focus on long term energy contracts and how telco operators can use PPAs and corporate sourcing to switch to RE. How can the telecom industry (and the IT industry at large) enlarge the capacity of RE in Europe? And what are the main hindrances to PPAs in some Member States.

- Felice Simonelli, Senior Research Fellow at CEPS
- Aleksandra Klassen, Senior Impact Manager at RE100
- Richard Boydell, Senior Manager - PPA Advisory at Pexapark
- Lucy Hunt, Associate Renewable Energy at WBCSD
- Daniel A. Maniega Santana, Head of Environment at Telefónica
- Moderator: Paula Abreu Marques, DG Energy, European Commission

### 15:40 - 16:00 COFFEE BREAK

#### 16:00 - SESSION 3: FINANCIAL INCENTIVES AND INVESTMENTS FOR RENEWABLE ENERGY FOR DIGITAL NETWORKS

How will the electricity market develop in Europe in the next ten years? Are investors still looking at investments in fossil fuel energy or are those 'lost assets'? Given the high CAPEX and OPEX for 5G, can mobile network operators stabilise the energy part of their OPEX through PPAs? Will the new EU taxonomy rules stimulate – or be a hindrance to – sustainable investments in digital networks? This session will include a panel.

- Abyd Karmali, Climate Finance Executive at Bank of America
- Viktoriya Kerelska, Head of Advocacy and Messaging at WindEurope
- Karoliina Loikkanen, Head of Sustainability at Nokia
- Moderator: Joop Hazenberg, GSMA

#### 16:50 - SESSION 4: ROLE OF LEGISLATORS TO STIMULATE RE IN THE 5G ERA

Finally, what role can the EU and Member States play to boost RE for 5G? In general, how does the Commission see the rising energy demand of the ICT sector in the light of the EU's own 2030 targets and the Paris Climate Agreement? And what role can 5G itself play in the energy transition, for instance by enabling smart grids? This session will include a panel.

- Bruce Douglas, coordinator of the RE-Source Platform
- Frauke Thies, Executive Director at SmartEN
- Mark van Stiphout, co-lead Digitalisation Taskforce at DG Energy, European Commission
- Moderator: Philip Laidler, STL Partners

### 17:30 - CONCLUSIONS AND CLOSURE

### 17:45 - NETWORKING RECEPTION



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# Mobile creating a #BetterFuture Climate Action



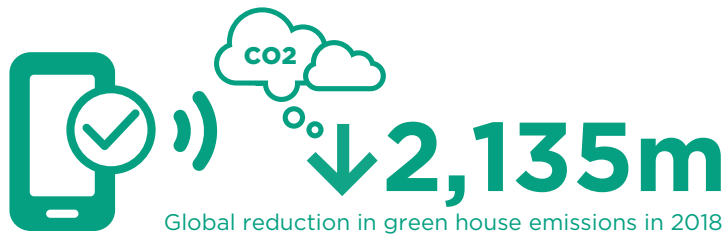
The climate crisis gripping our planet demands immediate attention and decisive action. The mobile industry is dedicated to acting on climate change now and in the future, and partnership is a pivotal part of this.



57 mobile operators – which together account for more than two thirds of mobile connections globally – are now disclosing their climate impacts, energy and greenhouse gas emissions via the CDP global disclosure system. The move will enable full transparency for investors and customers.



The Climate Action Handbook allows mobile operators, customers, partners and suppliers to take ownership of their emissions, kickstart efforts to reduce them, and explore what actions the industry is collectively taking to limit global warming to 1.5 °C. Download the Climate Action Handbook: [www.gsma.com/betterfuture/climate-handbook](http://www.gsma.com/betterfuture/climate-handbook)



The use of mobile technology powered a global reduction in greenhouse gas emissions of around 2,135 million tonnes CO2 in 2018. The emissions savings were ten times greater than the global carbon footprint of the mobile industry itself. Read more in the Enablement Effect report on <https://www.gsma.com/betterfuture/enablement-effect>



The mobile sector is taking collaborative action to be fully transparent about the industry's own climate emissions and has developed an industry-wide climate action roadmap, to achieve net-zero greenhouse gas emissions by 2050, in line with the Paris Agreement.



*“Climate is the defining issue of our time and taking the right course of action has never been more important. A decarbonised world is a digital world and we are calling on every sector of the global economy to work with us to rise to this challenge.”*

Mats Granryd, Director General, GSMA

In 2016, mobile became the world's first industry to commit to the United Nations Sustainable Development Goals (SDGs), with SDG 13: Climate Action a critical point of focus. On our website you can find more examples of how committed and progressive operators are delivering innovative mobile solutions to tackle the climate change crisis and protect the environment.

[www.gsma.com/climate](http://www.gsma.com/climate) #BetterFuture @GSMAEurope