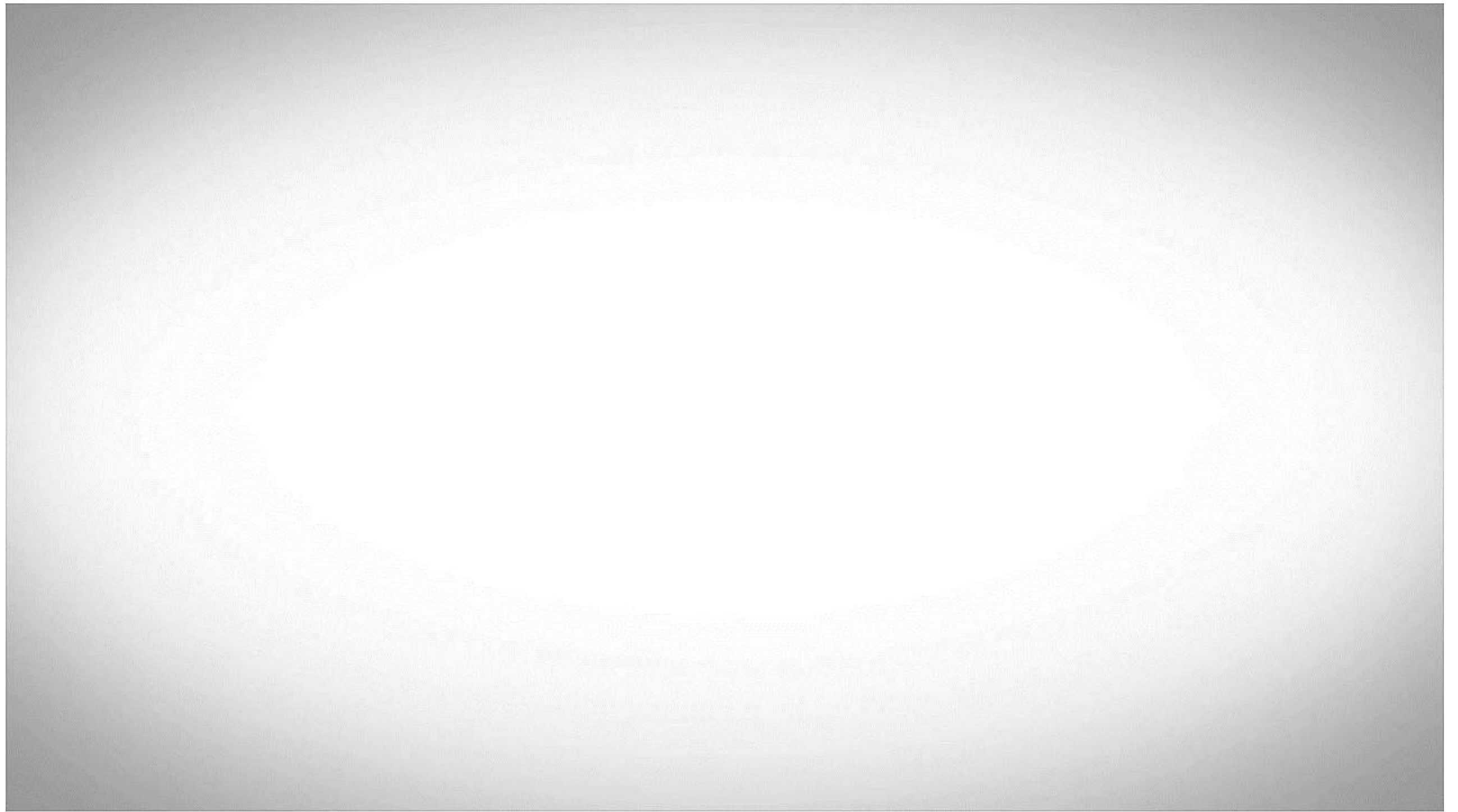




Nuclear for Climate

An initiative from nuclear
associations for COP21

Bucharest, PIME 2016



A nuclear campaign for COP21



Nuclear for Climate : a grassroots initiative



Professionals and scientists of the international nuclear community, coordinated via **148** nuclear associations worldwide.



www.nuclearforclimate.org



3 crucial messages



The world must use all low-carbon energy sources, including nuclear energy, if it is to limit climate change while still meeting development goals.

The world needs to take urgent steps towards reducing greenhouse gas emissions. **Nuclear energy is a proven low-carbon option, available today.**

All countries have the right to choose nuclear energy in order to reduce greenhouse gases while meeting their other energy objectives.



The schedule

1 Ahead of COP21

2 During COP21

3 After COP21 / before COP22

Ahead COP21: creating the buzz, mobilizing the teams



NICE, France, May 4, 2015

41 nuclear societies

50 000 scientists / 38 countries



**PARIS, France,
June 24, 2015**

ENS Young
Generation



**VIENNA, Austria,
August 27, 2015**

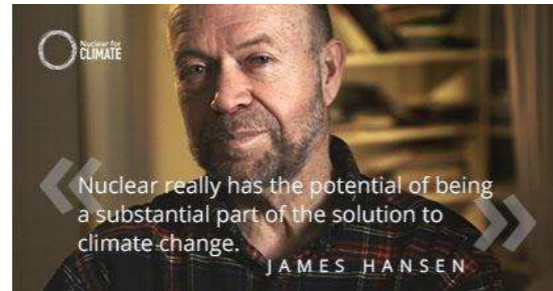
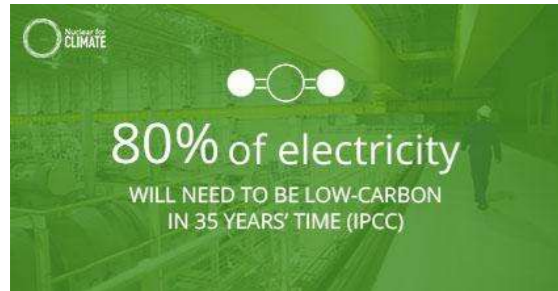
Women in
nuclear WIN

**WE PROUDLY BELIEVE
THAT
NUCLEAR ENERGY
IS
A KEY PART
OF THE SOLUTION
TO FIGHT
CLIMATE CHANGE**

Declarations available through 40+ association websites
worldwide



Social media campaigns



#1 New York Climate Week Sept 22-26

100 000 impressions

#2 ADP2 meeting Oct 20-26

Over 50 000 impressions
300 000 people reached
Facebook 6 000+ people

#3 G20 Nov 15-16

cancelled due to events in Paris

#4 COP21 Nov 30 - Dec 10

+ 230 000 people reached,
4 000 visits of Nuclear4Climate

#Nuclear4Climate reached **around 700 000 people / 1 200 tweets** with #Nuclear4Climate sent incl. **818 retweets**

over 1 000 people reached/day during COP21



About 400 pictures from around the world



ans.org

NUCLEAR IS NEED FOR CLEAN AIR

WE NEED ATOMS FOR THE FUTURE

NUCLEAR IS A PART OF THE SOLUTION

WE NEED ALL LOW CARBON SOURCES OF ENERGY NOW

NUCLEAR IS A LOW CARBON ENERGY AVAILABLE NOW

NUCLEAR IS PART OF THE SOLUTION

NUCLEAR IS A PART OF THE SOLUTION

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WE NEED ALL LOW CARBON SOURCES OF ENERGY NOW

NUCLEAR IS A PART OF THE SOLUTION

WE NEED ATOMS

NUCLEAR IS A LOW CARBON ENERGY AVAILABLE NOW

NUCLEAR IS A PART OF THE SOLUTION

TO FIGHT CLIMATE CHANGE WE NEED TO ACT NOW

WE NEED ATOMS FOR THE FUTURE

WHY NUCLEAR ENERGY IS IMPORTANT ?

WHY NUCLEAR ENERGY IS IMPORTANT ?

NUCLEAR IS A PART OF THE SOLUTION

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WE NEED ATOMS FOR THE FUTURE



Position paper



Nuclear is part of the solution for fighting climate change

"Nuclear for Climate" is an initiative launched by members of the French Nuclear Energy Society (SFEN), the American Nuclear Society (ANS) and the European Nuclear Society (ENS). It now brings together nuclear professionals and scientists from all parts of the globe, through the representation of 140 regional and national nuclear associations and technical societies.

More information: www.nuclearforclimate.org

We recognize the conclusions of Working Group I of the IPCC (Intergovernmental Panel on Climate Change), which states that human activity and greenhouse gas emissions are—with 95 percent certainty—the dominant cause of current climate change. These findings are the result of the collective work of experts from 40 countries who analyzed and assessed 9,200 scientific publications, according to the principle of "peer review."

We urge negotiators at the Paris COP21 Conference to come up with an achievable agreement that will reduce emissions of greenhouse gases to levels which will limit the rise in the average temperature of the planet to no more than 2°C.

We believe that **nuclear energy is a key part of the solution for limiting climate change**, and that:

1. **The world must use all low-carbon energy sources, including nuclear energy, if it is to limit climate change while still meeting development goals.**

The global challenge is immense: by 2050, according to the IPCC, 80 percent of global electricity will need to be produced with low-carbon technology (compared with 30 percent today) in order to contain climate change¹. During the same period, global demand for electricity should double to meet the basic needs of humanity in terms of population growth and development goals. Also, low-carbon electricity is expected to play a major role in decarbonizing other sectors.² This challenge requires the use of all low-carbon energy technologies: renewables, nuclear, and fossil fuels with carbon capture and sequestration, and underscores the need for large-scale low- or no-carbon electric generation options. The IPCC recognizes that "The life cycle greenhouse gas emissions per kilowatt-hour from nuclear power plants are two orders of magnitude lower than those of fossil-fueled electricity generation and comparable to most renewables".³

¹ Fifth Assessment Report, IPCC (2013-2015) http://www.ipcc.ch/pdf/assessment-report/ar5/wg1/WG1AR5_ALL_FINAL.pdf

² Energy Technology Perspectives 2014, IEA http://www.iea.org/publications/freepublications/publication/EnergyTechnologyPerspectives_ES.pdf

³ Fifth Assessment Report, IPCC (2013-2015) https://www.ipcc.ch/pdf/assessment-report/ar5/wg3/ipcc_wg3_ar5_full.pdf

Shared with all associations in Nov. 15
9 000 contacts & 400 journalists in France
Contacts in Spain

Sent to all UNFCCC Delegations

Press releases

400 journalists in France
10 000 contacts via WNA with INS quote
Contacts in South Africa

...



The screenshot shows the homepage of the Nuclear for Climate website. At the top left is the logo, a circle with the text "Nuclear for CLIMATE". To its right is a large image of two people in winter gear working in a snowy field. Below the image is a navigation bar with links: "OUR ORGANISATION", "INTERNATIONAL GROUPS", "NUCLEAR FOR CLIMATE" (highlighted), and "PUBLICATIONS".

Below the navigation bar are social media share buttons for Facebook and Twitter. The main heading is "NUCLEAR FOR CLIMATE". The introductory text reads: "Nuclear for climate (N4C) is a grassroots initiative, which brings together scientists and professionals of the global nuclear community, and also citizens who believe that in order to fight climate change we have to act now. They believe that nuclear is part of the solution."

The page is divided into two columns. The left column is titled "CLIMATE NEWS" and features two articles:

- 11.26.2015**: "Overwhelming support from Europeans for collective global action on climate change". The text below states: "More than nine out of ten people in the European Union (93%) believe that fighting climate change will only be effective if all..."
- 11.24.2015**: "Nuclear energy is part of the solution to climate change". The text below states: "Nuclear energy can be considered a low carbon energy source which provides a solution to the challenge of meeting the..."

The right column is titled "N4C : THE BLOG" and features one article:

- 11.25.2015**: "Climate Change: Nuclear energy is part of the solution". The text below states: "Nuclear energy will be represented at COP21 through a grassroots initiative called 'Nuclear for Climate' which brings together more than 140 associations and..."

Below the articles is a "FOLLOW SFEN" section with icons for Twitter, LinkedIn, and YouTube. A text box says: "Get the latest news of the SFEN and the nuclear industry:". Below this is a "Your mail..." input field and a "Any press review >" link.

At the bottom of the page is a green bar with three statistics:

- 218 203 705 MWh**: NUCLEAR POWER IN THE WORLD IN 2015
- 203 226 226 t**: GREENHOUSE GAS EMISSIONS AVOIDED THROUGH USE OF NUCLEAR ENERGY
- 109 539 422 t**: GREENHOUSE GAS EMISSIONS FROM ELECTRICITY

Hosted on sfen.org

Partner websites point to this reference



www.youtube.com/user/Nuclear4Climate

Scoop.it! by Foratom



During COP21 - Paris Le Bourget - Nov. 30 to Dec. 11



UN Blue zone, where the heart beats

12 passes and accredited delegates from ENS, Foratom, JAIF, ANS, WNA, Latin America ...

A 2m² booth

Génération Climat, for the civil society

Downtown Paris. Nuclear was not really welcome

Galerie des Solutions, for delegates, media, exhibitors, guests... in Le Bourget

Where WE are !



COP21 : N4C is in the place !



COP21 - Nuclear for Climate is in the place



A 42m² booth from Dec. 2 to Dec. 9

International representation with the Young generation, ANS, ENS, SFEN... delegates answering the question of visitors.

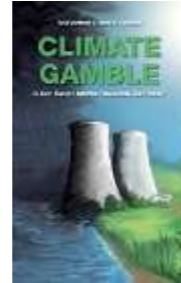
13 events organised : Climate Gamble signature, conferences, press meeting...



COP21 - 3rd parties join the Team



ENERGY FOR HUMANITY



The **Ecomodernists** supported N4C messages

Side events on N4C booth, in the Gallery, the Blue Zone and in Paris



Energy for Humanity
Think Climate
Pandora's Promise
Rauli Partanen & Janne M. Korhonen
The Shift Project
Climate conference



COP21 - Side events to reach a new audience



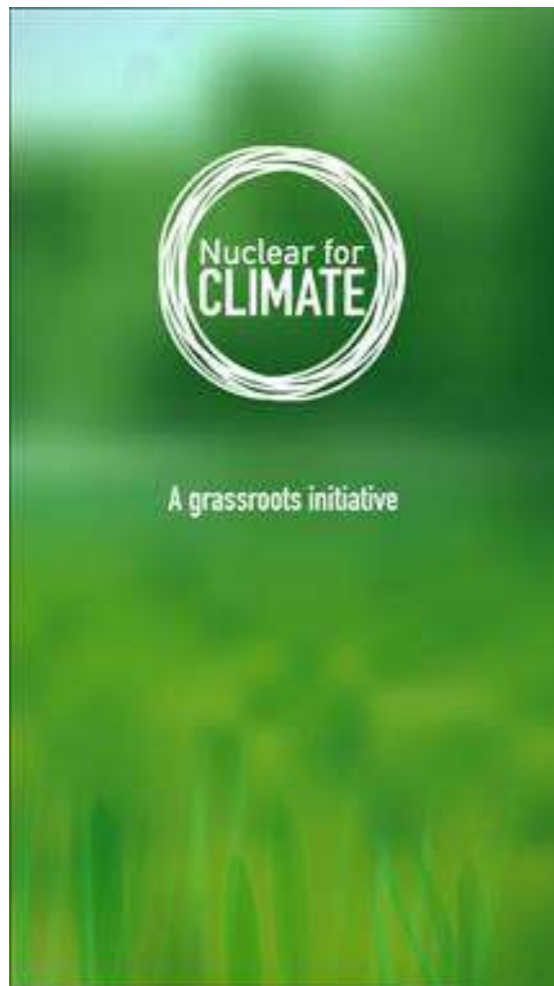
Press conference with James Hansen (Columbia), **Ken Caldeira** (Stanford), **Kerry Emmanuel** (MIT), **Tom Wigley** (IPCC)

Pandora's promise screening in Paris

Conference Generation Climat in Paris



COP21 - Nuclear for Climate is with you everywhere



A **mobile application** dedicated to Nuclear for Climate available for IOS & Android to communicate with COP21 people and Nuclear4Climate community

Still to be dowloaded on your App Store !





COP21 - Unexpected positives

REACTING UP

Bill Gates And Other Billionaires Pledge To Take On Climate Change

Updated November 20, 2015 - 3:28 PM ET
Published November 20, 2015 - 4:01 PM ET

 HARILYN GEEWAK



President Obama (from left), French President Francois Hollande and Microsoft co-founder Bill Gates applaud a speech during the Monday breakfast event at the UN conference on climate change Monday in Paris.

Jim Watson/AP/PG&G/Getty Images


The United States and 19 other countries on Monday promised to work toward doubling their spending over five years to support "clean energy" research.

At the same time, 28 private investors, including Microsoft's Bill Gates, Facebook's Mark Zuckerberg and Amazon's Jeff Bezos, pledged their own money to help build private businesses based on that public research.

The 20 governments and the investors are calling their joint effort "Mission Innovation."

They say they must act together because "the pace of innovation and the scale of transformation and dissemination remain significantly short of what is needed."

SHARE



National Laborator

- Key Note:
 - Dr. Ernest Moniz, U
- Panelists:
 - John Hopkins,
 - Jeff Harper,
 - Donald Wolf,
 - Gene Grecheck,
- Closing Remarks:
 - Dr. John Holdren,

LA GALERIE
by WORLD EFFICIENCY

At COP21, **Ernst Moniz (DoE)** made a conference on SMR:

We need to build on America's clean energy successes and drive innovation from renewables to carbon capture to nuclear





Nuclear for
CLIMATE

Stay tuned for COP22 !

