

# COP 21 Paris 2015

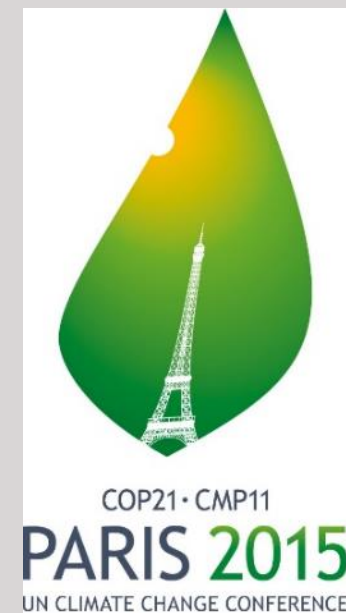
## Outcomes and Future Prospects

Larry F Greene

Executive Director Sac Metro AQMD

Bill Becker

National Association of Clean Air Agencies



# Context: The Evolving Climate Regime



**Paris was the result of a structured five year set of negotiations.**

- Paris is the latest in the UN's climate change work, which began in 1992 with the adoption of the Framework Convention
- 2009 Copenhagen and 2010 Cancun Agreements established the idea of a bottom-up framework
- 2011 the Durban Platform for Enhanced Action called for a new legal instrument to apply from 2020
- 2013 Warsaw called on parties to submit Intended Nationally Determined Contributions (INDCs)
- COP Meetings are multifaceted with much more going on than just the UN delegates meeting.







Pillars  
with flags  
of 195  
countries



Nations Unies  
Conférence sur les Changements Climatiques 2015  
COP21/CMIP11  
Paris, France



|     |              |
|-----|--------------|
| 1   | La Galerie   |
| 2   | Plenary Hall |
| 3   | Plenary Hall |
| 4   | Meeting Room |
| 5   | Meeting Room |
| 6   | Meeting Room |
| 7   | Meeting Room |
| 8   | Meeting Room |
| 9   | Meeting Room |
| 10  | Meeting Room |
| 11  | Meeting Room |
| 12  | Meeting Room |
| 13  | Meeting Room |
| 14  | Meeting Room |
| 15  | Meeting Room |
| 16  | Meeting Room |
| 17  | Meeting Room |
| 18  | Meeting Room |
| 19  | Meeting Room |
| 20  | Meeting Room |
| 21  | Meeting Room |
| 22  | Meeting Room |
| 23  | Meeting Room |
| 24  | Meeting Room |
| 25  | Meeting Room |
| 26  | Meeting Room |
| 27  | Meeting Room |
| 28  | Meeting Room |
| 29  | Meeting Room |
| 30  | Meeting Room |
| 31  | Meeting Room |
| 32  | Meeting Room |
| 33  | Meeting Room |
| 34  | Meeting Room |
| 35  | Meeting Room |
| 36  | Meeting Room |
| 37  | Meeting Room |
| 38  | Meeting Room |
| 39  | Meeting Room |
| 40  | Meeting Room |
| 41  | Meeting Room |
| 42  | Meeting Room |
| 43  | Meeting Room |
| 44  | Meeting Room |
| 45  | Meeting Room |
| 46  | Meeting Room |
| 47  | Meeting Room |
| 48  | Meeting Room |
| 49  | Meeting Room |
| 50  | Meeting Room |
| 51  | Meeting Room |
| 52  | Meeting Room |
| 53  | Meeting Room |
| 54  | Meeting Room |
| 55  | Meeting Room |
| 56  | Meeting Room |
| 57  | Meeting Room |
| 58  | Meeting Room |
| 59  | Meeting Room |
| 60  | Meeting Room |
| 61  | Meeting Room |
| 62  | Meeting Room |
| 63  | Meeting Room |
| 64  | Meeting Room |
| 65  | Meeting Room |
| 66  | Meeting Room |
| 67  | Meeting Room |
| 68  | Meeting Room |
| 69  | Meeting Room |
| 70  | Meeting Room |
| 71  | Meeting Room |
| 72  | Meeting Room |
| 73  | Meeting Room |
| 74  | Meeting Room |
| 75  | Meeting Room |
| 76  | Meeting Room |
| 77  | Meeting Room |
| 78  | Meeting Room |
| 79  | Meeting Room |
| 80  | Meeting Room |
| 81  | Meeting Room |
| 82  | Meeting Room |
| 83  | Meeting Room |
| 84  | Meeting Room |
| 85  | Meeting Room |
| 86  | Meeting Room |
| 87  | Meeting Room |
| 88  | Meeting Room |
| 89  | Meeting Room |
| 90  | Meeting Room |
| 91  | Meeting Room |
| 92  | Meeting Room |
| 93  | Meeting Room |
| 94  | Meeting Room |
| 95  | Meeting Room |
| 96  | Meeting Room |
| 97  | Meeting Room |
| 98  | Meeting Room |
| 99  | Meeting Room |
| 100 | Meeting Room |

1 Square kilometer  
Blue Zone and Green Zone  
6 Great Halls  
2 Plenary Halls  
Dozens of meeting rooms  
Computer facilities for all  
Low cost dining facilities  
Essentially a small city





Centre mondial  
Média Center

↳ Salles d'assemblées & réunions  
Observer Rooms & Exhibits

↳ Salles de séminaires  
Meeting Rooms

↳ Le Club Framer  
Club House

↳ Espace des délégations & bureaux  
Delegation Offices & Pavilions

↳ Espace d'informations et de  
Chambre Généraliste area

↳ Installations  
Installations

↳ Parking & Transports  
Parking & Transportation









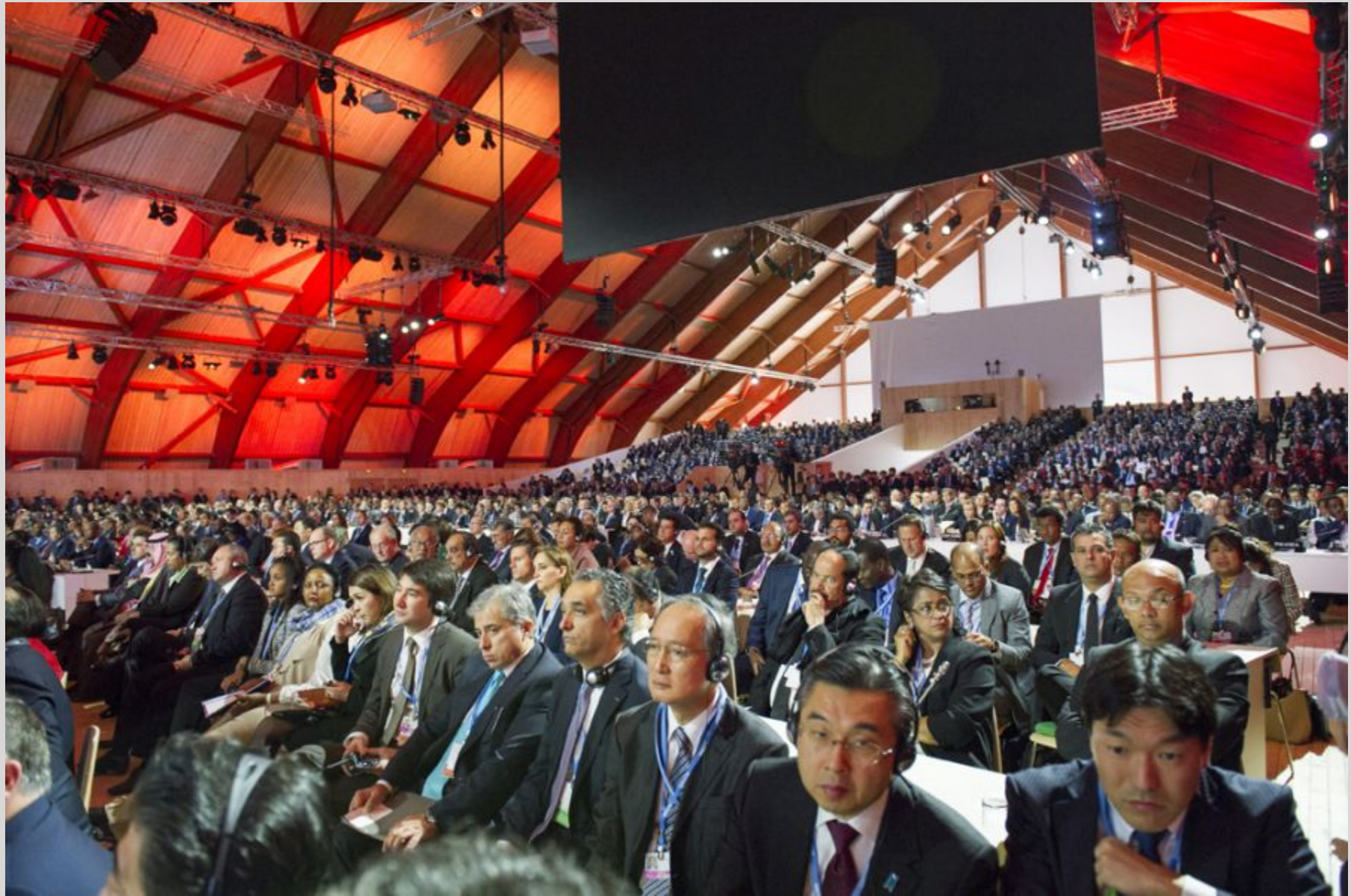
**Nations Unies**  
Conférence sur les Changements Climatiques 2015

COP21/CMP11

**Paris, France**













COP21/CMP11  
Paris Climate Change Conference - December 2015

## SIDE EVENTS - CIVIL SOCIETY - MEDIA

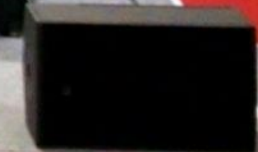
Saturday, 5 December  
14:00

|       |                         |  |                   |
|-------|-------------------------|--|-------------------|
| 16:45 | Observer Room 4         | COAST Trust, CDPBD: Climate Induced Migrants : Question on Rights and Responsibilities   | Open              |
| 16:45 | Observer Room 3         | PERC, National Spiritual Assembly of the Baha'is of the United States, Widener University, UUA: Examination of how nations have and should consider equity and justice in setting INDCs. | Open              |
| 16:45 | Observer Room 8         | ESM, Buddhist Tzu Chi Foundation, CI: DEFYING DISASTERS: A TRI-CONTINENTAL SOUTH-SOUTH DIALOGUE FOR CLIMATE CHANGE SOLUTIONS   | Open              |
| 17:00 | Plenary La Loire        | Action Day: Closing  | Open              |
| 17:00 | Press Conference Room 3 | Abibimman Foundation: Climate Matters – Evangelical Acceptance & Avoidance   | Open / Press only |
| 17:00 | Climate Change Studio   | Interview with Mr Phil Franks, International Institute of Environment (IIED)   | Open              |
| 17:20 | Climate Change Studio   | Interview with Ms. Kathleen Rogers, Earth Day Network  | Open              |
| 17:30 | Press Conference Room 3 | Association of Overseas Countries and Territories of the European Union (OCTA): IRENA and Europe's Overseas join forces to increase Renewable Deployment                                 | Open / Press only |
| 17:40 | Climate Change Studio   | Interview with Prof. Dr. Peter Hoeppe, Munich Climate Insurance Initiative (MCII)  | Open              |
| 18:30 | Observer Room 1         | C2ES, EEI: Charting a Low-Carbon Course for the U.S. Power Sector  | Open              |
| 18:30 | Observer Room 4         | Gabon, Fondation Energies pour le Monde *: Clean Energy in Africa, fixing the missing link: Gabon business case  | Open              |

CONF0141



# U.S. CENTER 2015 PARIS





INTERNATIONAL ZOO

PARIS











Nations Unies  
Conférence sur les Changements Climatiques 2015  
Paris, France

QATAR





Climate  
justice!  
milieudéfensie

Leave the oil  
in the soil!  
milieudéfensie

People, power,  
climate action  
milieudéfensie

DEPUIS PLUS  
DE 125 ANS.  
ICI  
JOUR  
ET NUIT  
QUELQUEUN  
PRIE LE  
SEIGNEUR.

SANCTUAIRE  
DE L'ADORATION  
EUCARISTIQUE ET DE  
LA MISERICORDE DIVINE

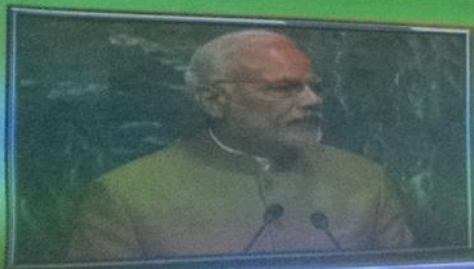
FOR OVER  
125 YEARS.  
HERE  
NIGHT  
AND DAY  
SOMEONE  
IS PRAYING  
TO THE LORD

LE SYSTÈME  
PAS  
LE CHANGEMENT

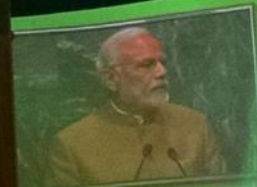
FOCAN



# India @ COP 21 Paris



I am a firm believer tha



TOGETHER WE'LL MA





# Climate-Smart KOREA



## Korea's Response to Climate Change

Republic of Korea  
Pledges to Reduce GHG Emissions by 37% (by 2030)

1. Expansion of renewable energy  
2. Expansion of energy efficiency  
3. Expansion of energy storage

4. Expansion of energy storage

5. Expansion of energy storage

6. Expansion of energy storage

7. Expansion of energy storage

8. Expansion of energy storage

9. Expansion of energy storage

10. Expansion of energy storage

11. Expansion of energy storage

12. Expansion of energy storage

13. Expansion of energy storage

14. Expansion of energy storage

15. Expansion of energy storage

16. Expansion of energy storage

17. Expansion of energy storage

18. Expansion of energy storage

19. Expansion of energy storage

20. Expansion of energy storage

21. Expansion of energy storage

22. Expansion of energy storage

23. Expansion of energy storage

24. Expansion of energy storage

25. Expansion of energy storage

26. Expansion of energy storage

27. Expansion of energy storage

28. Expansion of energy storage

29. Expansion of energy storage

30. Expansion of energy storage

31. Expansion of energy storage

32. Expansion of energy storage

33. Expansion of energy storage

34. Expansion of energy storage

35. Expansion of energy storage

36. Expansion of energy storage

37. Expansion of energy storage

38. Expansion of energy storage

39. Expansion of energy storage

40. Expansion of energy storage

41. Expansion of energy storage

42. Expansion of energy storage

43. Expansion of energy storage

44. Expansion of energy storage

45. Expansion of energy storage

46. Expansion of energy storage

47. Expansion of energy storage

48. Expansion of energy storage

49. Expansion of energy storage

50. Expansion of energy storage

51. Expansion of energy storage

52. Expansion of energy storage

53. Expansion of energy storage

54. Expansion of energy storage

55. Expansion of energy storage

56. Expansion of energy storage

57. Expansion of energy storage

58. Expansion of energy storage

59. Expansion of energy storage

60. Expansion of energy storage

61. Expansion of energy storage

62. Expansion of energy storage

63. Expansion of energy storage

64. Expansion of energy storage

65. Expansion of energy storage

66. Expansion of energy storage

67. Expansion of energy storage

68. Expansion of energy storage

69. Expansion of energy storage

70. Expansion of energy storage

71. Expansion of energy storage

72. Expansion of energy storage

73. Expansion of energy storage

74. Expansion of energy storage

75. Expansion of energy storage

76. Expansion of energy storage

77. Expansion of energy storage

78. Expansion of energy storage

79. Expansion of energy storage

80. Expansion of energy storage

81. Expansion of energy storage

82. Expansion of energy storage

83. Expansion of energy storage

84. Expansion of energy storage

85. Expansion of energy storage

86. Expansion of energy storage

87. Expansion of energy storage

88. Expansion of energy storage

89. Expansion of energy storage

90. Expansion of energy storage

91. Expansion of energy storage

92. Expansion of energy storage

93. Expansion of energy storage

94. Expansion of energy storage

95. Expansion of energy storage

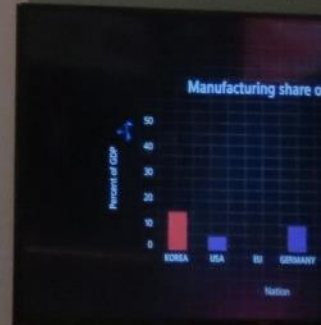
96. Expansion of energy storage

97. Expansion of energy storage

98. Expansion of energy storage

99. Expansion of energy storage

100. Expansion of energy storage





# NEW NORDIC CLIMATE SOLUTIONS

ENERGY  
CO-OPERATION

25 YEARS  
AHEAD

GET INSPIRED #NNCS

THE NORDIC  
COUNTRIES  
DECOUPLING  
PIIONEERS

NEW NORDIC  
CLIMATE  
SOLUTIONS  
#NNCS

Nordic  
of Min

nord  
Nordic Council  
Nordic Council

Nordic  
Co-ope













**MOMS  
clean air  
FORCE**  
FIGHTING FOR  
OUR KIDS' HEALTH

Moms Clean Air Force is a community of 600,000 moms and dads united against air pollution – including the urgent crisis of our changing climate – to protect our children's health.

[WWW.MOMSCLEANAIRFORCE.ORG](http://WWW.MOMSCLEANAIRFORCE.ORG)  
[@CLEANAIROMS](https://twitter.com/CLEANAIROMS)



**THE WOMEN'S  
GLOBAL CALL FOR  
CLIMATE JUSTICE**

**WE ARE WOMEN AND GIRLS OF ALL AGES, IN ALL OUR DIVERSITY, FROM EVERY REGION OF THE WORLD;**

We are gravely concerned about the lack of just and sufficient action on climate change by the world's leaders. Finally and critically, as women and girls, we are not only facing severe impacts, but we are central to the implementation of real solutions that produce real results.

We are concerned about the increasing number of disastrous mega storms that are killing people, health care, and destroying ecosystems and livelihoods. Women must be full and equal partners in the fight to combat global climate chaos!

We are concerned about sea-level rise and disappearing land masses, in addition to the serious droughts, desertification, ocean acidification, water pollution, crop failures, air pollution, oil spills, worn summers and cold winters, and out-of-season typhoons and tsunamis.

We are concerned about all women, and the including those of us from indigenous lands and climate disruption who have contributed the least to impacts but who are suffering the greatest.

We refuse to allow corporate control of our planet, our rights, or sanction a world that prioritizes growth and greed over human rights, a just distribution of wealth, healthy ecosystems and

We will take action everywhere – in our homes, neighborhoods, workplaces, schools, and community organizations, sacred places, parks, gardens, and schools.

We will have our presence known at our Parliaments, state legislatures, city councils, and school boards. We will make our voices heard in the halls of power, in the news, on social media, and at the front doors of climate injustice.

We will talk, sing, shout, stand, and sit. We will take our fight to the streets, blockades, and barricades. We will see justice in the smallest villages, the largest cities, the highest mountains in the oceans, and at the UN Climate Conference in Paris, France.

**REPRESENTING WOMEN IN EVERY REGION OF THE WORLD, WE CALL FOR:**

System change that climate action. Enforcing a 1.5 degree Celsius maximum temperature rise. Enforcing a 100% renewable energy transition. Enforcing a 100% just green job transition. Enforcing a 100% clean energy transition. Enforcing a 100% clean water transition. Enforcing a 100% clean air transition. Enforcing a 100% clean food transition. Enforcing a 100% clean transportation transition. Enforcing a 100% clean housing transition. Enforcing a 100% clean infrastructure transition. Enforcing a 100% clean justice transition.

NCY

LLAMADO MUNDIAL DE LAS MUJERES POR LA JUSTICIA CLIMATICA

「氣候正義、女性倡議」全球婦女行動

GLOBAL AUFRUF VON FRAUEN FÜR KLIMARECHTIGKEIT



# Paris Scale

- 150 heads of state
- 195 countries at the final Plenary (consensus approval of agreement)
- 40,000 delegates (23K government, 9,400 ng and agency, 1,300 civil organizations, 3,700 media)
- Non-State Actors pledges: 11,000 commitments from 2,250 cities, 150 regions, 2,025 companies, 424 investors, 235 civil society organizations.
- International Solar Alliance: 120 countries led by India and France
- Compact of Mayors: 360 cities...pledge to deliver over half of potential urban emissions by 2020
- Under 2 MOU



# Key Ideas in the Paris Agreement

- Legal Character
- Differentiation
- Long-Term Goal
- Mitigation
- Successive NDC's
- Transparency
- Implementation/Compliance
- Finance
- Adaptation
- Loss and Damage
- Next Steps

**\* Paris is a hybrid: Bottom-up flexibility to achieve broad participation/Top-down rules for accountability and ambition.**

**\* Deal was uncertain until the final day.**



# What's in the Paris Agreement

## **A global goal and national targets:**

- Reaffirm goal of limiting global temperature increase to 2 degrees while urging efforts to limit the increase to 1.5 degrees
- Establish binding commitments by all parties to make Intended Nationally Determined Contributions (INDCs) and to pursue domestic measures aimed at achieving them.
  - Commit all countries to report regularly on their progress and to undergo international review.
  - Commit all countries to submit new INDCs every five years with a clear expectation that they will represent a progression beyond previous ones



# Paris Agreement (continued)

## Finance

- Reaffirm the binding obligations of developed countries to support developing countries
- For the first time encourage voluntary contributions by developing countries
- Extend the goal of mobilizing \$100 billion a year in support by 2020 through 2025 with a new higher goal to be set after 2025
- Extend a mechanism to address “loss and damage” resulting from climate change, which explicitly will not “involve or provide a basis for any liability or compensation.”

## Other

- Require parties engaging in international trading to avoid “double counting”.
- Call for a new mechanism enabling emission reductions in one country to be counted in another.





UN Climate Chief Christina Figueres, UN Secretary General Ban Ki-Moon, French Foreign Affairs Minister Laurent Fabius, French President Francois Hollande



# Some Final Thoughts

- **This was a big deal.** 196 Countries agreed to something...  
consensus
- The agreement moves forward in many key areas
- **States/cities/counties/regions matter (Sub-nationals)** A significant part of total emission reductions and execution and proof of concepts.
- Both mitigation and adaptation are important and linked
- A notional goal of 1.5 degrees was a surprise and received significant support at COP 21.
- It will take 55 countries covering 55% of global emissions to ratify.