

SAINT LOUIS —
**CLIMATE
SUMMIT**

HOSTED BY SAINT LOUIS UNIVERSITY



April 22 – 24, 2018

stlclimatesummit.org

Jack Fishman
Saint Louis University

Presentation to Air Quality Advisory Committee
May 29, 2018

A vibrant blue sky filled with fluffy white clouds. A bright sunburst effect emanates from the upper left, with rays of light spreading across the sky. The overall scene is bright and cheerful.

BACKGROUND



Guest commentary: Yes, let's start the revolution here

"I hope St. Louisans will help us raise awareness about these increasingly urgent climate issues by attending a high-profile "Environmental Preservation Day" at Grant's Farm. This can renew the farm's regional relevance and honor all St. Louisans..."

ST. LOUIS POST-DISPATCH

LAUDATO SI'

ON CARE FOR
OUR COMMON HOME



POPE FRANCIS



ENCYCLICAL LETTER

“Climate change is a problem which can no longer be left to a future generation. When it comes to the care of our ‘common home,’ we are living at a critical moment in history.”

- Pope Francis

Saint Louis Climate Summit: Established as Primary Event of Saint Louis University Bicentennial



The Saint Louis Climate Summit Planning Committee: First Informal (*ad hoc*) Working Group Met in 2014

Ad hoc planning group first
meetings in summer 2014

Programmatic

Fishman

Raven

Webb

Valentine

(Woolschlager) Knouft

Sponsorship & Fundraising

Mauzy

Schneider

Fishman

Raven

Webb

Yakubu

Valentine

Galmiche

Meyerscough

Local Climate Awareness

Wilmoth

Fishman

Craig Moeller (KSDK)

Chester Lampkin (KSDK)

Shari Bell (Climate Central)

Denson (STL Climate Realty)

Education/Outreach

Anderson

Mauzy

Walpole

Fishman

Young

SAINT LOUIS CLIMATE SUMMIT PLANNING COMMITTEE

FOUNDING MEMBERS

Jack Fishman, Chair, Center for Environmental Sciences,
Department of Earth & Atmospheric Sciences

David Webb, Executive Co-Chair, Emerson Leadership Institute at Saint Louis University

Peter Raven, Program Co-Chair, Missouri Botanical Garden

Trudy Busch Valentine, Alumna, SLU Trustee

MEMBERS

Bill Anderson, Saint Louis University High School

Ken Denson, Climate Reality STL

Jason Knouft, SLU Department of Biology

Dan Maury, SLU Alumnus, Consultant

Jennifer Myerscough, St. Louis Earth Day

Eric Schneider, Consultant

Simon Warren, Missouri Botanical Garden

Catherine Werner, City of St. Louis

Valorie Wilmoth, SLU Department of Earth & Atmospheric Sciences,

Beth-Anne Yakubu, SLU Emerson Leadership Institute

Aaron Young, East-West Gateway Council of Governments

LOGISTICAL PARTNERS NINE NETWORK OF PUBLIC MEDIA

Angie Carr, Event Manager

Megan Grisolano, Business Manager

Matt Huelskamp, Director of Marketing & Communications

EX OFFICIO

Fr. Chris Collins, SLU, Assistant to the President for Mission and Identity

Jack Galmiche, Nine Network of Public Media

Ellen Harshman, SLU, Director of Bicentennial Planning

Larry Lazar, Climate Reality STL

Teri Murray, SLU, School of Nursing

Fr. Pedro Walpole, Institute of Environmental Science for Social Change



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The “Project Team” that met weekly, January-April, 2018
Angie Carr and Matt Huelskamp (Nine Network)
David Webb and Jack Fishman (SLU)



Majority of Conference Venue: at Channel Nine Facility



“Studio A” hosted 220 attendees

- comfortable classroom seating
- professional audio & acoustics
- studio-quality lighting
- meals & breaks in common area tent



3655 Olive:
1 block north of SLU

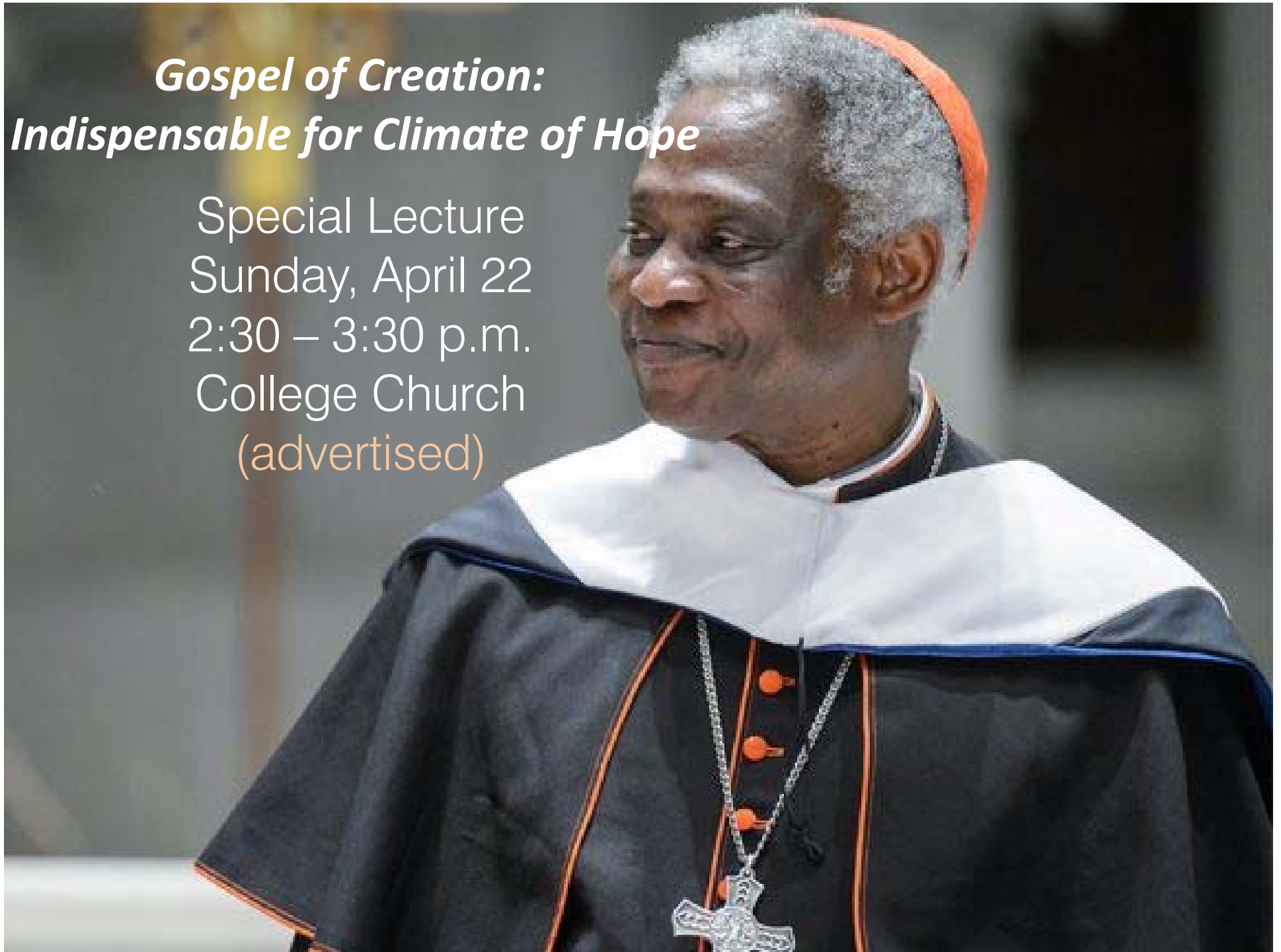




SUNDAY
APRIL 22, 2018

***Gospel of Creation:
Indispensable for Climate of Hope***

Special Lecture
Sunday, April 22
2:30 – 3:30 p.m.
College Church
(advertised)



***Cardinal Turkson's Flight
Delayed and does not get to
College Church until 3:45
(even with police escort on tarmac!)***

Peter Raven and Mary Evelyn Tucker
provide warm-up discussion
2:30-3:45

Cardinal Turkson provides first part of
scheduled lecture
3:45-4:15



BEFORE THE FLOOD

Public Screening & Discussion
Sunday April 22
6:30 – 9:00 p.m.
Center for Global Citizenship



Moderated by:
Ben de Foy (SLU)
Beth Martin (WUSTL)
Valorie Wilmoth (SLU)
~60 Attendees



SAINT LOUIS
UNIVERSITY™

COP23 | FIJI
UN CLIMATE CHANGE CONFERENCE
BONN 2017


Washington
University in St. Louis

Sunday Evening Invitation-Only Reception for Panelists and Other Dignitaries at Shanahan Atrium in Chaifetz School of Business

Featured Speaker: Nobel Laureate Mario Molina

The 2018 Saint Louis Climate Summit brings together some of the most authoritative minds in climate science, ecology, sustainable development, and related disciplines for three days of discussion on climate change. The conference will highlight key issues, celebrate notable achievements, and elucidate a path forward. The Climate Summit is a featured activity of Saint Louis University's Bicentennial Celebration. For additional information, visit stlclimatesummit.org



Featured Speaker

Dr. Mario Molina, Recipient of the Nobel Prize for Chemistry (1995) and the U.S. Medal of Freedom from President Barack Obama (2013). Prof. Molina will present a short lecture on "The Anthropocene."

Sunday, April 22, 2018

5:00 p.m. Cocktail Reception

6:00 p.m. Heavy Appetizers

6:30 p.m. Program

Shanahan Atrium in John and Lucy Cook Hall

Richard Chaifetz School of Business
3674 Lindell Blvd., St. Louis, Missouri

Photos from Invitation-only Dinner





MONDAY - TUESDAY
APRIL 23-24, 2018

Climate Experts



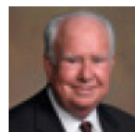
CARL POPE
Author & Former
Executive Director
and Chairman of the
Sierra Club



**CARDINAL PETER
TURKSON**
Prefect of the Dicastery
for Promoting Integral
Human Development



**MARIO
MOLINA, Ph.D.**
Nobel Laureate



PETER RAVEN, Ph.D.
Conference Co-Chair
Missouri Botanical Garden



**VEERABHADRAN
RAMANATHAN, Ph.D.**
Scripps Institution of
Oceanography, University
of California, San Diego



**PRABHU
PINGALI, Ph.D.**
Cornell University



**MICHAEL
HANEMANN, Ph.D.**
Arizona State University



**JANE
LUBCHENCO, Ph.D.**
Oregon State University



JEFFREY SACHS, Ph.D.
Columbia University



**ELIZABETH
AINSWORTH, Ph.D.**
University of Illinois



RICHARD CIZIK
New Evangelical
Partnership for the
Common Good



**HEATHER
EATON, Ph.D.**
St. Paul University



JACK FISHMAN, Ph.D.
Conference Chair
Saint Louis University



PETER GLEICK, Ph.D.
Pacific Institute



MITCHELL HESCOX
The Evangelical
Environmental Network



**KATHARINE
MACH, Ph.D.**
Stanford University



JOHN MCCARTHY, S.J.
English Canada Province
for the Society of Jesus



P.J. SIMMONS, M.A.
Corporate Eco Forum



**NANCY
TUCHMAN, Ph.D.**
Loyola University Chicago



**MARY EVELYN
TUCKER, Ph.D.**
Yale University



**MATHIS
WACKERNAGEL, Ph.D.**
Global Footprint Network

Monday Morning Modified to Include Introductory Lecture by Cardinal Turkson



**“Setting the Stage” Panel:
Jack Fishman, Katharine Mach, Mario Molina
Veerabhadran Ramanathan (via video)**

Monday Academic Sessions (cont.)



Whole Earth Systems Panel:
Michael Hanemann
Mathis Wackernagel



Biodiversity Panel:
Peter Raven
Fr. John McCarthy

Monday Academic Sessions (cont.)



Business Panel:

P.J. Simmons

Jeffrey Sachs

Tuesday Academic Sessions



Agriculture Panel:
Lisa Ainsworth
Allison Miller
Prabhu Pingali (via video)



Ocean and Water Panel:
Colin Wellenkamp
Jane Lubchenco
Peter Gleick

Tuesday Academic Sessions (cont.)



**Education Panel:
Kehkashan Basu
Nancy Tuchman**



**17-year old Kehkashan Basu:
was the only speaker to receive a
standing ovation**

Tuesday Academic Sessions (cont.)



Religious Perspectives and Our Moral Obligation to Address Climate Change

Moderated by Tobias Winright

Panelists: Richard Cizik, Mary Evelyn Tucker, Heather Eaton and Mitchell Hescox

220 Registrants Signed Up for the Saint Louis Climate Summit



KEYNOTE

APRIL 23, 2018

AN EVENING WITH

BILL NYE

THE SCIENCE GUY

APRIL 23, 7 PM
CHAIFETZ ARENA

Engineer, comedian, author,
and inventor — inspiring
audiences of all ages to engage
with and improve our world.



CARL POPE

ENVIRONMENTALIST
AND AUTHOR

Co-Author of *Climate of Hope*
and Former Executive Director
and Chairman of the Sierra Club

Snapshots from Chaifetz Arena



Approximately 2300 Attended the Keynote Session



The Saint Louis Climate Summit was a Community Effort

SAINT LOUIS CLIMATE SUMMIT PARTNERS



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SAINT LOUIS CLIMATE SUMMIT SPONSORS

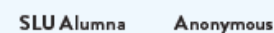
EXOSPHERE



THERMOSPHERE



MESOSPHERE



STRATOSPHERE



TROPOSPHERE



7

Entire Climate Summit Broadcast Live on Website in Real Time

<https://www.youtube.com/watch?v=lqigRorqtIM>



Final Steps: Document the Event

Publication of Conference Proceedings

- Book Format
- Video Format
 - All talks available on YouTube
 - PBS TV Special



Jim Kirchherr: Producer

- National Distribution through PBS



Trudy Busch Valentine:



Guest commentary: Yes, let's start the revolution here

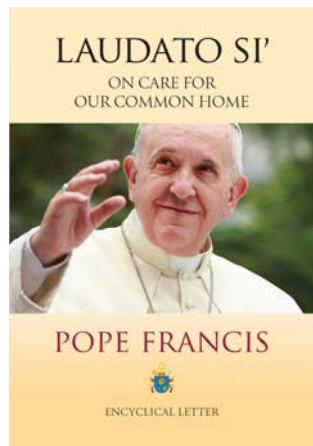
- “I hope St. Louisans will help us raise awareness about these increasingly urgent climate issues by attending a high-profile "Environmental Preservation Day" at Grant's Farm. This can renew the farm's regional relevance and honor all St. Louisans...”

In Summary

Trudy Busch Valentine:

Guest commentary: Yes, let's start the revolution here:

“I hope St. Louisans will help us raise awareness about these increasingly urgent climate issues by attending a high-profile "Environmental Preservation Day" at Grant's Farm. This can renew the farm's regional relevance and honor all St. Louisans...”



Climate change is a problem which can no longer be left to a future generation. When it comes to the care of our “common home,” we are living at a critical moment in history
--Pope Francis