

# **INNOVATION ACADEMY**

## **FOR WOMEN**

### **OF THE AMERICAS**

## **WOMEN, CLIMATE & POWER**

### **VIRTUAL STUDY ABROAD**

# **AGENDA**

## **JUNE-JULY 2021**

 Innovation Academy for Women of the Americas

**The Academy**  
Science, Technology, Engineering, Mathematics & Education

**POLITÉCNICA  
SANTA ROSA**



*Bilingual  
International  
Sustainable  
University*

**NM**  
**THE UNIVERSITY OF  
NEW MEXICO**



**Institución  
Universitaria**  
Reacreditada en Alta Calidad

# THE ACADEMY 2021

## VIRTUAL EXCHANGE WOMEN, CLIMATE AND POWER

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# THE ACADEMY 2021

## VIRTUAL EXCHANGE WOMEN, CLIMATE AND POWER

## Welcome to The Academy

The Academy for Women in STEM is the result of a 100,000 Strong for the Americas grant competition. An international education initiative designed to provide more women in the innovation fields the knowledge, skills, abilities, and support to ascend to higher education and leadership levels within their communities and countries. The Academy is a comprehensive program designed to facilitate the academic and career advancement of underrepresented/minority women – including indigenous women – in the innovation fields of Science, Technology, Engineering, Mathematics, and Architecture (STEM+A).

This edition's theme is “**Women, Climate, & Power**” and will introduce multiple analytical lenses to better understand the social-ecological system, examine the human-environment connection, and explore power and the place of gender as a factor in the nature-society relationship. Participants will engage in compassionate knowledge-building, complex critical thinking, and creative problem solving under the broader framework of the United Nations Sustainable Development Goals to propose living solutions to real-world problems and generate new perspectives for prosperity inclusive of all people - and all life - on the planet.

The Academy 2021 edition, the fourth iteration, is a joint collaboration project between The **University of New Mexico** (UNM) in the United States, the **Universidad Politécnica de Santa Rosa Jáuregui** (UPSRJ) in Querétaro, México, and the **Instituto Tecnológico Metropolitano** (ITM) in Medellín Colombia.

# THE ACADEMY 2021

## VIRTUAL EXCHANGE WOMEN, CLIMATE AND POWER

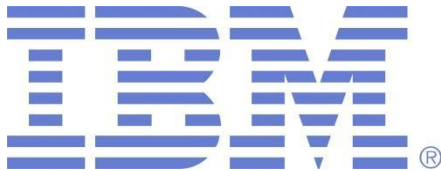
Thank you all partners and contributors, for your support and participation in **The Innovation Academy for Women 2021** – “Women, Climate and Power”.

## The Academy Partners & Contributors



# THE ACADEMY 2021

VIRTUAL EXCHANGE  
WOMEN, CLIMATE AND POWER



SECRETARÍA  
DE DESARROLLO  
SUSTENTABLE



SECRETARÍA  
DE EDUCACIÓN



POLITÉCNICA  
SANTA ROSA



Institución  
**Universitaria**  
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# THE ACADEMY 2021

## VIRTUAL EXCHANGE WOMEN, CLIMATE AND POWER

### Featured Speakers and Faculty Members



**Mtro. Ricardo Javier Torres Hernández**

Vice-Minister of Environment  
for the State of Querétaro



**Dra. Miriam Gay- Antaki**

Associate Director  
R.H. Mallory Center for Community Geography,  
University of New Mexico



**Amelia Arreguín**

Gender and environment specialist  
National Autonomous University of Mexico



**Raquel Godoy**

Agile Coach  
IBM



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## VIRTUAL EXCHANGE WOMEN, CLIMATE AND POWER



**MsC. David Alejandro Coy Mesa**

Professor of Faculty of Economic and Administrative Sciences  
Head of the Observatory of Science, Technology and Arts  
Instituto Tecnológico Metropolitano



**Dr. Mahmoud Taha**

Chair Civil Engineering  
University of New Mexico



**Dr. Ramiro Jordan**

Assoc. Dean, International Programs,  
Electrical Computer Engineering  
University of New Mexico



**Dr. Carman Melendrez**

Research Scholar,  
Research Development Office,  
University of New Mexico

# THE ACADEMY 2021

## VIRTUAL EXCHANGE WOMEN, CLIMATE AND POWER



**Mtra. Sandra Begay**

Researcher,  
Sandia National Laboratories



**Dra. Clara Marcela Mosquera López**

Specialist in processing and analysis of medical images  
Universidad de Texas





# THE ACADEMY 2021

## VIRTUAL EXCHANGE WOMEN, CLIMATE AND POWER

### ORIENTATION DAY

FRIDAY 11TH OF JUNE

Time -MST- (USA)	Time -CST- (MEX, COL)	Activity
08 h 00	09 h 00	<b>Welcome to the New Generation of the Academy</b>
08 h 15	09 h 15	How to use my platform
08 h 25	09 h 25	How is my program organized
08 h 35	09 h 35	Get to know my colleagues
08 h 55	09 h 55	<b>Break</b>
09 h 00	10 h 00	<b>Get to know my team-members</b>
09 h 25	10 h 25	Get to know the other participants
09 h 50	10 h 50	Questions and Answers
10 h 00	11 h 00	<b>Finish</b>

# THE ACADEMY 2021

## VIRTUAL EXCHANGE WOMEN, CLIMATE AND POWER

### WEEK 1

#### MONDAY 14TH OF JUNE

Time -MST- (USA)	Time -CST- (MEX, COL)	Activity
08 h 00	09 h 00	Opening Ceremony
08 h 55	09 h 55	Break
09 h 00	10 h 00	<b>Keynote Conference:</b> Sustainable Goals by <b>Ricardo Javier Torres Hernández</b> - Vice Minister of Environment Querétaro.
09 h 55	10 h 55	Break
10 h 00	11 h 00	<b>Academic Introduction</b> to week 2 and 3 by <b>Dr. Miriam Gay Antaki</b> from UNM and <b>Mtro. David Coy</b> from ITM.
11 h 00	12 h 00	Lunch
12 h 00	13 h 00	<b>Presentation of 4 Industrial Partners and Challenges:</b> 1) Turboservice International S. de R.L. de C.V. (Mexico) 2) Agacel Agregados y Asfaltos S.A. de C.V. (Mexico) 3) Native American Community Academy (United States) 4) e.Ray Latam SAS (Colombia)
12 h 55	13 h 55	Break
13 h 00	14 h 00	<b>Design Thinking Workshop</b> by <b>Raquel Godoy</b> from IBM
15 h 00	16 h 00	Finish

# THE ACADEMY 2021

## VIRTUAL EXCHANGE WOMEN, CLIMATE AND POWER

### TUESDAY 15TH OF JUNE

Time -MST- (USA)	Time -CST- (MEX, COL)	Activity
07 h 00	08 h 00	Design Thinking Workshop by <i>Raquel Godoy</i> from IBM
08 h 55	09 h 55	Break
09 h 00	10 h 00	<b>Keynote Conference:</b> “Women and Climate Change: Denied impacts and unrevealed opportunities”, by <i>Amelia Arreguín Prado</i> , General Director of Eco Maxei.
09 h 55	10 h 55	Break
10 h 00	11 h 00	<b>Team Activities</b>
11 h 00	12 h 00	Lunch
13 h 00	14 h 00	<b>Industrial Mentorship:</b> -Get to know your company -Contextualization of Challenge
14 h 00	15 h 00	Finish



# THE ACADEMY 2021

## VIRTUAL EXCHANGE WOMEN, CLIMATE AND POWER

### WEDNESDAY 16TH OF JUNE

Time -MST- (USA)	Time -CST- (MEX, COL)	Activity
07 h 00	08 h 00	<b>Design Thinking Workshop</b> by <i>Raquel Godoy</i> from IBM
08 h 55	09 h 55	Break
09 h 00	10 h 00	<b>Team Activities</b>
11 h 00	12 h 00	Lunch
13 h 00	14 h 00	<b>Work on your Challenge</b>
15 h 00	16 h 00	Finish

# THE ACADEMY 2021

## VIRTUAL EXCHANGE WOMEN, CLIMATE AND POWER

### THURSDAY 17TH OF JUNE

Time -MST- (USA)	Time -CST- (MEX, COL)	Activity
07 h 00	08 h 00	Design Thinking Workshop by <i>Raquel Godoy</i> from IBM
08 h 55	09 h 55	Break
09 h 00	10 h 00	Team Activities
11 h 00	12 h 00	Lunch
13 h 00	14 h 00	Industrial Mentorship
14 h 00	15 h 00	Finish

### FRIDAY 18TH OF JUNE

Time -MST- (USA)	Time -CST- (MEX, COL)	Activity
07 h 00	08 h 00	Design Thinking Workshop by <i>Raquel Godoy</i> from IBM
08 h 55	09 h 55	Break
09 h 00	10 h 00	Team Activities
11 h 00	12 h 00	Finish

# THE ACADEMY 2021

## VIRTUAL EXCHANGE WOMEN, CLIMATE AND POWER

### WEEK 2

#### MONDAY 21ST OF JUNE

Time -MST- (USA)	Time -CST- (MEX, COL)	Activity
08 h 00	09 h 00	<b>Keynote Conference:</b> How to Save the Planet When the Odds Are Against You, by <b>Mtra. Sandra Begay-</b> Researcher, Sandia National Laboratories.
08 h 55	09 h 55	Break
09 h 00	10 h 00	<b>Keynote Conference:</b> Perspectives from Practice: Convergence of Academia and Social Action, by <b>Dra. Carman Melendrez-</b> Research Scholar. Research Development Office, University of New Mexico.
09 h 55	10 h 55	Break
10 h 00	11 h 00	<b>Workshop:</b> Women, Climate and Power (Part 1), by <b>Dr. Miriam Gay-Antaki</b> from University of New Mexico
12 h 00	13 h 00	Lunch
13 h 00	14 h 00	<b>Industrial Mentorship</b>
14 h 00	15 h 00	<b>Finish</b>



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## VIRTUAL EXCHANGE WOMEN, CLIMATE AND POWER

### TUESDAY 22ND OF JUNE

Time -MST- (USA)	Time -CST- (MEX, COL)	Activity
09 h 00	10 h 00	<b>Keynote Conference:</b> The Future of STEM: Global Peace Engineering, by <b>Dr. Ramiro Jordan</b> - Assoc. Dean, International Programs, Electrical Computer Engineering at University of New Mexico.
09 h 55	10 h 55	Break
10 h 00	11 h 00	<b>Applied Workshop:</b> Addressing Team Challenges through the Women, Climate and Power Len, by <b>Dr. Miriam Gay-Antaki</b> from University of New Mexico
12 h 00	13 h 00	Lunch
13 h 00	14 h 00	<b>Team Work on Challenges</b>
15 h 00	16 h 00	<b>Finish</b>

# THE ACADEMY 2021

## VIRTUAL EXCHANGE WOMEN, CLIMATE AND POWER

### WEDNESDAY 23RD OF JUNE

Time -MST- (USA)	Time -CST- (MEX, COL)	Activity
10 h 00	10 h 00	<b>Keynote Conference:</b> Knowledge Keeping Gathering: Re-Indigenizing Lands, by <b>Moises Gonzales and Whisper</b> .
11 h 25	11 h 25	Break
11 h 40	11 h 40	<b>Movie:</b> Picture a Scientist (2021)
13 h 00	13 h 00	<b>Lunch</b>
14 h 00	14 h 00	<b>Industrial Mentorship</b>
15 h 00	15 h 00	<b>Finish</b>

# THE ACADEMY 2021

## VIRTUAL EXCHANGE WOMEN, CLIMATE AND POWER

### THURSDAY 24TH OF JUNE

Time -MST- (USA)	Time -CST- (MEX, COL)	Activity
09 h 00	10 h 00	<b>Conference:</b> “I'm Thinking About Graduate School” – Advice for Women in STEM, <b>Dr. Julie Coonrood</b> , Dean of Graduate Studies at University of New Mexico.
09 h 55	10 h 55	Break
10 h 00	11 h 00	<b>Conference:</b> “Climate Change and Resilience” by <b>Dr. Mahmoud Taha</b> , Chair Civil Engineering at University of New Mexico.
10 h 55	11 h 55	Break
11 h 00	12 h 00	<b>Discussion</b> of “Picture a Scientist” by <b>Dr. Miriam Gay-Antaki</b> from University of New Mexico
13 h 00	14 h 00	Lunch
14 h 00	15 h 00	<b>Team Work on Challenges</b>
15 h 00	16 h 00	<b>Finish</b>



# THE ACADEMY 2021

## VIRTUAL EXCHANGE WOMEN, CLIMATE AND POWER

### FRIDAY 25TH OF JUNE

Time -MST- (USA)	Time -CST- (MEX, COL)	Activity
09 h 00	10 h 00	<b>Conference:</b> Climate change, thinking out of the box by <b>Dr. Carlos Gay García</b> , from Centro de Ciencias de la Atmósfera UNAM
10 h 00	11 h 00	<b>Team Work on Challenges</b>

### WEEK 3

### MONDAY 28TH OF JUNE

Time -MST- (USA)	Time -CST- (MEX, COL)	Activity
07 h 00	08 h 00	<b>Keynote Conference:</b> Introduction Entrepreneurship and Innovation by <b>MsC. David Alejandro Coy Mesa</b> from ITM
07 h 55	08 h 55	Break
08 h 00	09 h 00	<b>Context:</b> Key learning path concepts, by <b>MsC. David Alejandro Coy Mesa</b> from ITM.
09 h 00	10 h 00	<b>Keynote Conference:</b> Powerful Women, by Dra. Clara Marcela Mosquera López from University of Texas
11 h 00	12 h 00	Lunch
13 h 00	14 h 00	<b>Industrial Mentorship</b>
14 h 00	15 h 00	<b>Finish</b>

# THE ACADEMY 2021

## VIRTUAL EXCHANGE WOMEN, CLIMATE AND POWER

### TUESDAY 29TH OF JUNE

Time -MST- (USA)	Time -CST- (MEX, COL)	Activity
07 h 00	08 h 00	<b>Module 1 Understanding:</b> Comprehending and observing, challenges of innovation, by <b>MsC. David Alejandro Coy Mesa</b> from Instituto Tecnológico Metropolitano – ITM.
07 h 55	08 h 55	Break
08 h 00	09 h 00	<b>Workshop:</b> Focus of attention, by <b>MsC. David Alejandro Coy</b> from Instituto Tecnológico Metropolitano – ITM.
09 h 00	10 h 00	Lunch
13 h 00	14 h 00	<b>Team Work on Challenges</b>
15 h 00	16 h 00	<b>Finish</b>

# THE ACADEMY 2021

## VIRTUAL EXCHANGE WOMEN, CLIMATE AND POWER

### WEDNESDAY 30TH OF JUNE

Time -MST- (USA)	Time -CST- (MEX, COL)	Activity
07 h 00	08 h 00	<b>Module 2 Creating:</b> Defining and Designing the innovation opportunity, by <b>MsC. David Alejandro Coy</b> from Instituto Tecnológico Metropolitano – ITM.
07 h 55	08 h 55	Break
08 h 00	09 h 00	<b>Workshop:</b> Solution Creation, by <b>MsC. David Alejandro Coy</b> from Instituto Tecnológico Metropolitano – ITM.
09 h 00	10 h 00	Team Activities
11 h 00	12 h 00	Lunch
13 h 00	14 h 00	<b>Industrial Mentorship</b>
14 h 00	15 h 00	<b>Finish</b>



# THE ACADEMY 2021

## VIRTUAL EXCHANGE WOMEN, CLIMATE AND POWER

### THURSDAY 1ST OF JULY

Time -MST- (USA)	Time -CST- (MEX, COL)	Activity
07 h 00	08 h 00	<b>Module 3 Finalizing:</b> Prototyping and presenting an innovative solution, by <b>MsC. David Alejandro Coy Mesa</b> from Instituto Tecnológico Metropolitano – ITM.
07 h 55	08 h 55	Break
08 h 00	09 h 00	<b>Workshop:</b> Prototype and verification, by <b>MsC. David Coy Mesa</b> from Instituto Tecnológico Metropolitano – ITM.
09 h 00	10 h 00	Team Activities
11 h 00	12 h 00	Lunch
13 h 00	14 h 00	<b>Team Work on Challenges</b>
15 h 00	16 h 00	<b>Finish</b>

# THE ACADEMY 2021

## VIRTUAL EXCHANGE WOMEN, CLIMATE AND POWER

### FRIDAY 2ND OF JULY

Time -MST- (USA)	Time -CST- (MEX, COL)	Activity
07 h 00	08 h 00	<b>Workshop:</b> Effective presentations, by <b>MsC. David Alejandro Coy Mesa</b> from Instituto Tecnológico Metropolitano – ITM.
07 h 55	08 h 55	Break
08 h 00	09 h 00	<b>Conference:</b> Tips presentation projects / Elevator Pitch, by <b>MsC. David Alejandro Coy Mesa</b> from Instituto Tecnológico Metropolitano – ITM.
09 h 00	10 h 00	Team Activities
11 h 00	12 h 00	Lunch

# THE ACADEMY 2021

## VIRTUAL EXCHANGE WOMEN, CLIMATE AND POWER

### WEEK 4

MONDAY + TUESDAY 5TH & 6TH OF JULY

#### Activity

DAYS OFF – Each team must work on their final project presentations

### WEDNESDAY 7TH OF JULY

Time -MST- (USA)	Time -CST- (MEX, COL)	Activity
08 h 30	09 h 30	<b>Final Project Presentations</b> Team 1, 2 and 3
11 h 00	12 h 00	Lunch

### THURSDAY 8TH OF JULY

Time -MST- (USA)	Time -CST- (MEX, COL)	Activity
09 h 00	10 h 00	<b>Final Project Presentations</b> Team 4 and 5
11 h 00	12 h 00	Lunch



# THE ACADEMY 2021

## VIRTUAL EXCHANGE WOMEN, CLIMATE AND POWER

### FRIDAY 9TH OF JULY

Time -MST- (USA)	Time -CST- (MEX, COL)	Activity
09 h 00	10 h 00	<b>Closing Ceremony</b> Announcement of Challenge Winners
11 h 00	12 h 00	Finish

For more information

Contact us at:

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