

RHYTHMS *of the* LAND:

*Indigenous Knowledge, Science, and Thriving Together
in a Changing Climate*

Day 1 – Monday, October 11, 2021 (Indigenous Peoples' Day)

Brian C. Nevin Welcome Center, Cornell Botanic Gardens, Cornell University

08:00 - 08:45	Registration & Meet and Greet <i>Morning Bites</i>
08:45 - 08:50	Time for transition
08:50 - 09:00	Moderator Initiates Beginning: Dr. Raj Pandya, Director, Thriving Earth Exchange, American Geophysical Union
09:00 - 09:30	Opening <ul style="list-style-type: none">▪ Welcome from the <i>Gayogohó:nq'</i> (Cayuga Nation) - Sachem George▪ Appreciation from Cornell University - Provost Michael Kotlikoff▪ Acceptance by Central Asian Indigenous Leader – Elder Zhuma Koshonov▪ Intent and Purpose of <i>Rhythms of the Land</i> - Professor Karim-Aly Kassam
09:30 - 10:00	Environmental Justice and Indigenous Communities - Mr. James Ross, <i>Teet'it Gwich'in</i> , Past Chief of Fort McPherson and Negotiator of the Gwich'in Land Claim Agreement (\$ CND 141 Million with 90,379 km ² or 34,895 miles ² in 1992 (20-min. presentation, 10-min. questions)
10:00 - 10:40	Methodology of Hope – Role of Ecological Calendars in the Struggle of Climate Change - Professor Karim-Aly Kassam (30-min. presentation, 10-min. questions)
10:40 - 10:45	Invitation to enjoy the Botanic Gardens - Dr. Christopher Dunn, Director of Botanic Gardens
10:45 - 10:55	Introduction to <i>Ecological Calendars: Finding Hope in the Face of Climate Change</i> exhibition - with exhibition curators Ms. Sarah Fiorello, Mr. Jay Potter, and Dr. Sonja Skelly
10:55 - 11:15	<i>Reflective Time: Coffee, Tea, and Pastries</i>
11:15 - 11:20	Introducing Individual Community Ecological Calendars - Dr. Raj Pandya, Director Thriving Earth Exchange, American Geophysical Union
11:20 - 11:50	Ecological Calendars of Roshorv and Savnob, Tajikistan <ul style="list-style-type: none">▪ Presenter: Ms. Anna Ullmann▪ Community Discussant: Mr. Umed Bulbulshoev (15-min. presentation, 5-min. discussant, 10-min. questions)
11:50 - 12:20	Ecological Calendar of Sary Mogul, Kyrgyzstan <ul style="list-style-type: none">▪ Presenter: Mr. Daler Kaziev▪ Community Discussant: Mr. Abdilla Tashbekov (15-min. presentation, 5-min. discussant, 10-min. questions)
12:20 - 13:20	<i>Lunch and Cornell Botanic Gardens tours (see page 6)</i>



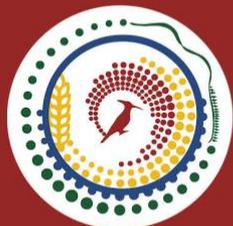
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- 13:20 - 13:50 **Ecological Calendar of Oneida Lake Watershed**
- Presenter: Mr. Leo Louis
 - Community Discussant: Mr. Charles Parker
- (15-min. presentation, 5-min. discussant, 10-min. questions)
- 13:50 - 14:30 **Ecological Calendars of Standing Rock Nation**
- Presenter: Professor Morgan Ruelle
 - Community Discussants: Mr. Aubrey Skye
- (20-min. presentation, 10-min. discussant, 10-min. questions)
- 14:30 - 15:10 *Walk and move to* **Herbert F. Johnson Museum of Art**
(Coffee, Tea, and Pastries offered at Botanic Gardens before move to HJM)

Herbert F. Johnson Museum of Art

- 15:10 - 15:15 **Invitation to enjoy the Herbert F. Johnson Museum of Art** - Dr. Jessica Martinez, Director of Herbert F. Johnson Museum of Art
- 15:15 - 15:55 **Measurements meet human observations: integrating distinctive ways of knowing in the Pamir Mountains to assess local climate change** - Professor Cyrus Samimi (30-min. presentation, 10-min. questions)
- 16:00 - 16:50 **Artists and Communities Panel Conversation: Environmental Justice**
- Ms. Nurzat Abdyrasulova, Chair of Green Alliance, Kyrgyzstan
 - Ms. Natani Notah, Navajo interdisciplinary artist and educator
 - Mr. Tony David, Director, Environmental Division, Saint Regis Mohawk Tribe
- (Moderated by Dr. Raj Pandya, 30-min. panel discussion, 20-min. questions)
- 16:50 - 17:20 **Introduction to *Art and Environmental Struggle* exhibition at the Johnson Museum** – with exhibition curators Ms. Ellen Avril, Dr. Andrew C. Weislogel, and Dr. Kate Addleman-Frankel
- 17:20 - 17:25 **Closing at the Johnson Museum** - Professor Karim-Aly Kassam
- 17:25 - 17:30 **Time for transition**
- 17:30 - 18:00 **Conference participants experience exhibition on own** – student educators stationed at various points in the gallery to engage participants and answer questions
- 18:00 – 19:00 *Dinner at Arts Quad*



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Day 2 – Tuesday, October 12, 2021

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- 07:00 - 08:00 **Virtual Tour for Central Asia Attendees: *Ecological Calendars: Finding Hope in the Face of Climate Change*** – with exhibition curator Ms. Sarah Fiorello
- 08:00 - 08:25 **Meet and Greet**
Morning Bites
- 08:25 - 08:30 **Time for transition**
- 08:30 - 08:35 **Moderator introduces the work for the Day** - Dr. Raj Pandya
- 08:35 - 09:10 **What Are the Challenges for Climate Change Adaptation for Communities in Need?** - Mr. Michael Burns, Founder and Executive Director of Community and College Partners Program (20-min. presentation, 10-min. questions)
- 09:10 - 09:15 **Time for transition**
- 09:15 - 09:30 **Reflection on the first day** – Professor Nurgul Ukueva, American University of Central Asia, Kyrgyzstan & Professor Mohssen Moazzen University of Central Asia, Tajikistan
- 09:30 - 09:45 **World Cafés** – Professor Morgan Ruelle, Clark University and Dr. Raj Pandya will introduce the World Cafés, the Baristas, and the three groups.
- **Policy Café:** What are the practical policy opportunities for Ecological Calendars? (e.g., application in other regions, peace building and climate migration.)
 - **Living Calendars Café:** How can Ecological Calendars be dynamic and multigenerational? (e.g., environmental education and STEM curriculum.)
 - **Research Café:** What are the next steps for further research related to Ecological Calendars? (e.g., developing strategies for new ecological indicators.)
- 09:45 - 10:45 **Visit first Café:** *Group 1 goes to Policy, Group 2 goes to Living Calendars, Group 3 goes to Research*
- 10:45 - 11:45 **Visit Second Café:** *Group 1 goes to Living Calendars, Group 2 goes to Research, Group 3 goes to Policy*
- 11:45 - 12:45 **Visit Third Café:** *Group 1 goes to Research, Group 2 goes to Policy, Group 3 goes to Living Calendars*
- 12:45-14:00 *Lunch, PCR Test, and Botanic Garden Tours*
- 14:00 - 15:00 **World Café Summaries**



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- 15:00 - 16:30 **General Discussion**
- *What are the key insights from the last two days?*
 - *Why are they important?*
 - *What do we need to do next?*
 - *How can we commit to doing together and individually?*
 - *Other Questions?*
- 16:30 - 16:40 **Closing Reflections, Preparations for Day 3** - Professor Karim-Aly Kassam
- 16:40 - 17:20 *Dinner at Ag Quad (in front of Mann Library)*
- 17:20 - 17:50 *Walk and move to* **Schwartz Performing Arts Center**

Schwartz Performing Arts Center

- 17:55 - 18:35 **Where Do We Go from Here? Concrete Outcomes for Climate Adaptations** - Mr. James Ransom, Past Chief Saint Regis Mohawk Tribe, Past Director, Environment Program, SRMT (*30-min. presentation, 10-min. questions*)
- 18:35 – 19:00 **Time for transition and seating:** *move from Film Forum to Dance Theatre room*
- 19:00 – 20:00 **Blood, Water, Earth** - performance by Chancellor Santee Smith, McMaster University



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Day 3 – Wednesday, October 13, 2021

Herbert F. Johnson Museum of Art

07:00 - 08:00 **Virtual Tour for Central Asia Attendees: *Art and Environmental Struggle*** – with exhibition curator Dr. Andrew Weislogel

Brian C. Nevin Welcome Center, Cornell Botanic Gardens, Cornell University

08:00 - 08:30 *Morning Bites*

08:30 - 10:00 **Open discussion**

Follow-up meetings based on outcomes of **World Café** discussion from Day 2. Specific strategies in small working groups of interested individuals will follow-up – developing strategies for next steps:

- What are the practical policy opportunities for Ecological Calendars? (e.g., application in other regions, peace building and climate migration.)
- How can Ecological Calendars be dynamic and multigenerational? (e.g., environmental education and STEM curriculum.)
- What are the next steps for further research related to Ecological Calendars? (e.g., developing strategies for new ecological indicators.)
- Planning for Workshop on “Peacebuilding, Climate Change, and Migration”.

10:00 - 10:20 *Coffee, Tea, and Pastries*

10:20 - 11:50 **Open discussion**

11:50 - 12:00 **Closing remarks, safe travels** – Professor Karim-Aly Kassam

12:00 – 13:00 *Lunch and Cornell Botanic Gardens tours (see Page 6)*

- *The shaded blue events are open to the public.*



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Tours of the Botanic Gardens

The Cornell Botanic Gardens is pleased to offer four guided tours of different aspects of the Gardens during the meeting:

- 1. Tour of our Climate Change Garden and Gayogohó:nq' (Cayuga Nation) garden*
- 2. Tour of our Herb Garden and Flower Garden*
- 3. Interpretation of the mural by Brazillian artist Eder Muniz*
- 4. Tour of our exhibit: Ecological Calendars: Finding Hope in the Face of Climate Change*

Conference Attendees will be invited into 4 groups (a, b, c, d), and each group will get a chance to participate in all four tours, according to the schedule below.

<i>Location</i>	<i>Day 1 Lunch</i>	<i>Day 2 Morning</i>	<i>Day 2 Lunch</i>	<i>Day 3 Lunch</i>
<i>1. Climate/ Gayogoho:no</i>	<i>Group A</i>	<i>Group B</i>	<i>Group C</i>	<i>Group D</i>
<i>2. Herb/Flower Gardens</i>	<i>Group B</i>	<i>Group A</i>	<i>Group D</i>	<i>Group C</i>
<i>3. Eder Muniz Mural</i>	<i>Group C</i>	<i>Group D</i>	<i>Group A</i>	<i>Group B</i>
<i>4. Ecological Calendars Exhibit</i>	<i>Group D</i>	<i>Group C</i>	<i>Group B</i>	<i>Group A</i>