

# Climate on Tap

## *What Happened in Glasgow?*

*Facilitator:*  
**Laura Tucker**

*Sponsored by:*



# Guest Panelists:

**Rachel Cardone**

*Deputy Director*

Stanford Program on Water,  
Health, and Development



**Jessica Plumb**

*Environmental Filmmaker*

Plumb Productions

**Daphne Wysham**

*Chief Executive Officer*

Methane Action



# What is your #1 climate change priority?



**Take a few minutes to ponder this,  
then share your thoughts with those at your table  
or with the person next to you.**



WHEN THE WORLD NEEDS TO  
BE AT NET ZERO EMISSIONS TO  
HAVE AN EVENS CHANCE OF  
HALTING GLOBAL HEATING  
AT AROUND 1.5°C



# Brief history of the 3 most significant COPs



**1) First treaty created at a COP**

**2) Set out legally-binding carbon reduction targets for developed countries only**

**3) General framework defined for reducing emissions to be worked out over a few years**

**4) Some countries unhappy with #2; the U.S. pulled out of the treaty in 2001**



**1) Raised climate change policy to the highest political level**

**2) Close to 115 world leaders attended the high-level segment**

**3) More than 40,000 people, representing governments, NGOs, intergovernmental organizations, faith-based organizations, media, and UN agencies attended**

**4) The Copenhagen Accord (treaty) included a long-term goal of limiting warming to 2°C**

**Sadly, there was no agreement on how to do this**



**1) The Paris Accord made history with 197 parties adopting the document!!**

**2) Each party came together to set limits that would ensure a sustainable future for humans on Earth**

**3) Created legally binding framework for an internationally coordinated effort to tackle climate change**

**4) Established a warming goal of well below 2°C and required countries to formulate more ambitious climate targets that are consistent with this goal**

**The U.S. pulled out of the agreement in 2017**  
**They had 5 years to do this before COP26 in 2020**



Very simply, here were the goals  
for COP26:



AMBITION

+



EMISSIONS

+



FINANCE

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TEMPERATURE

+



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# A special guest at COP26







**Jessica Plumb**

*Environmental Filmmaker*

**Plumb Productions**



AMBITION



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ADAPTATION

# The Power of Story & The Process of Change



HURRY UP PLEASE IT'S TIME



































TRANSITION

**COP26**  
**TV**  
#TogetherForOurPlanet

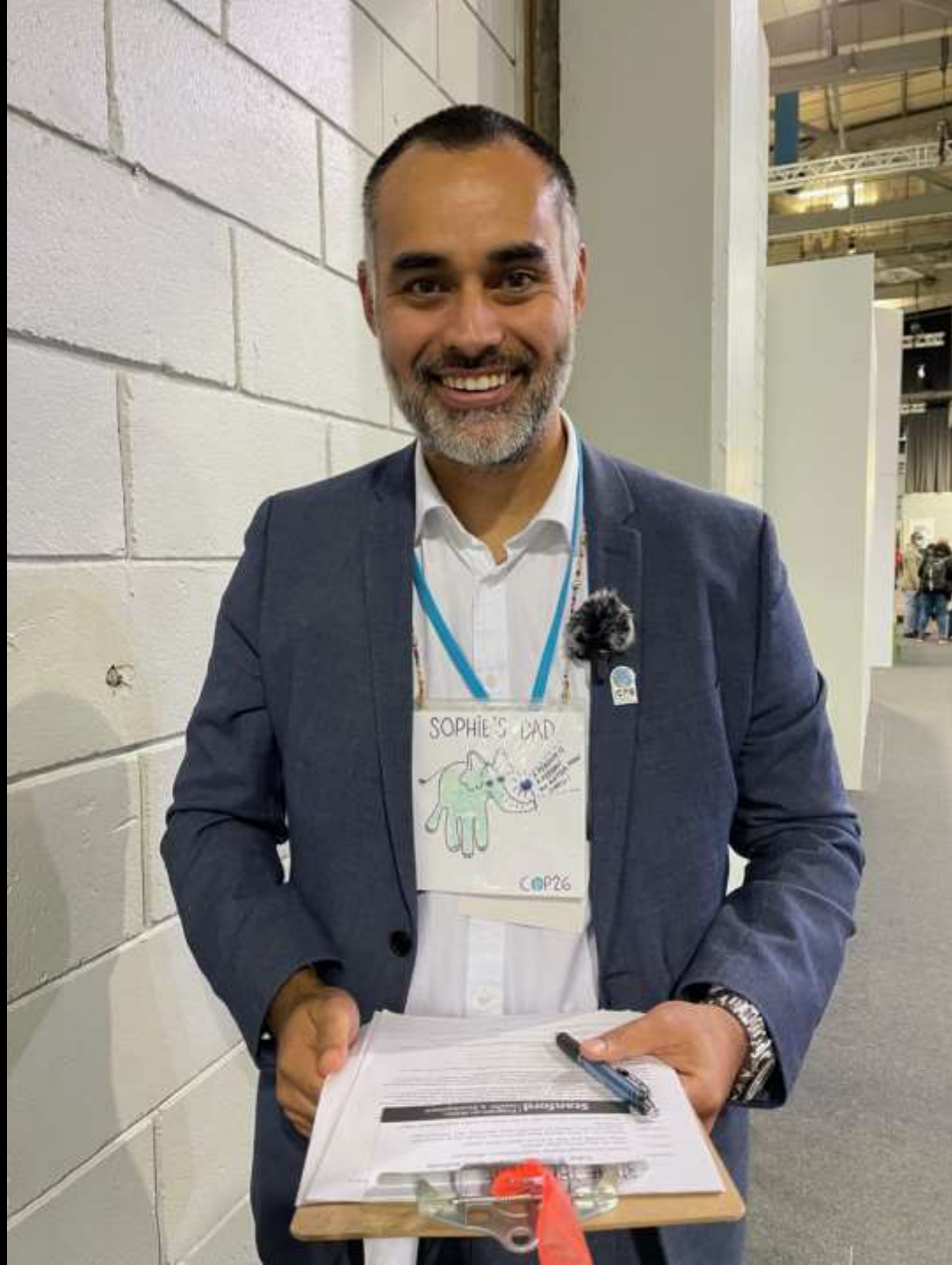
ACTION ROOM 1

**WE CAN DO THIS, IF WE ACT  
NOW.**





















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**Rathbones**  
Look forward

UN CLIMATE  
CHANGE  
CONFERENCE  
ON 2021

**TOGETHER  
FOR OUR  
PLANET**



Dream about what the world could look like if we centered Mother Earth in all decision making.

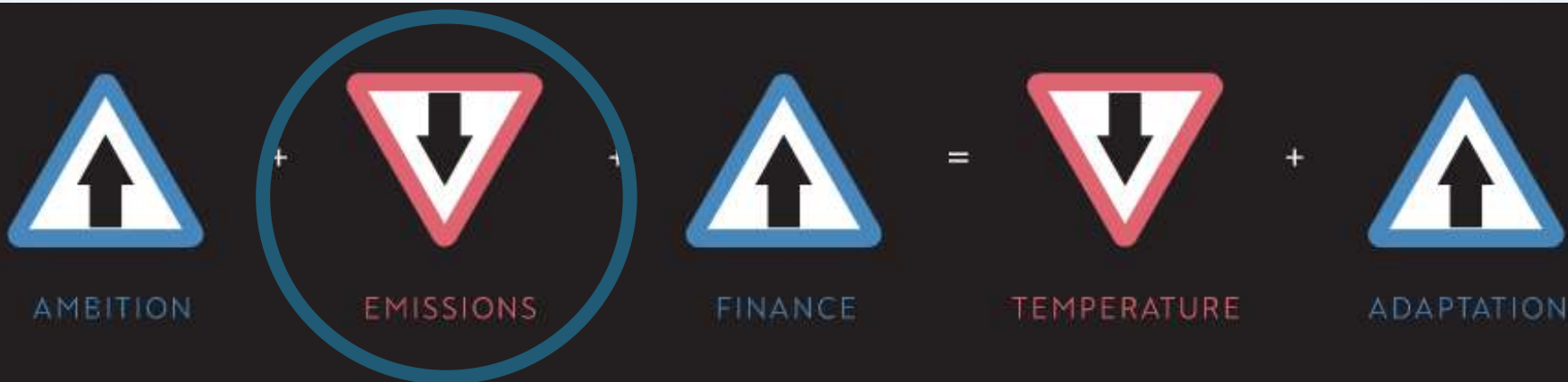
What if we grounded our futures in relationality to the natural world(s) that sustains us?







**Daphne Wysham**  
*Chief Executive Officer*  
**Methane Action**



# Putting COP26 Pledges Into Action



Daphne Wysham, CEO

Methane Action

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# Methane: The Other Global Warming Gas

- Methane is being released from anthropogenic (ag, fossil fuels, ) *and* increasingly biogenic (permafrost, wetlands) sources
- Short-lived (half-life of 10 yrs)
- Naturally depleted by OH (hydroxyl) radicals, Cl (chlorine) radicals (which break it down 16X faster), microbes
- Methane=84X CO<sub>2</sub> GWP, resp. for ¼ warming, half as much GW as CO<sub>2</sub>, now at 2.5 times preindustrial levels
- Biggest jump in methane levels in 40 yrs last year (2020)
- If we cut *atmospheric* methane levels in half, can shave peak temps by .5 C, stave off continued rise in biogenic sources

# The good news from COP26

- Glasgow Climate Pact: Countries agreed to reduce carbon emissions by 45% by 2030 to keep 1.5C target alive
- Annual accounting of GHGs/NDCs for first time (criticism of methodology in WaPo—State says they were using outdated data)
- Methane pledge—100+ countries pledging to reduce emissions by 30% below 2020 levels by 2030. (Caveat: Not 45% per UNEP, global reductions, not national target, not included in NDCs, will trading come next?)
- US-China: Pledged to enhance ambition on methane for first time
- Phase down in all fossil fuels, esp. “unabated coal,” globally
- 20+ countries called for end of fossil fuel subsidies via public banks by 2022



# Good news (cont)

- 130 nations (90% of world's forests) pledged to end deforestation by 2030 (devil is in details—and PNW has critical role to play)
- 450 banks >\$130 trillion pledged to align with net zero by 2050 goals.
- Climate Action met with State Dept officials, got pledge to explore methane removal with leading scientists in USG

# Bad news

- These pledges are non-binding.
- The \$130 trillion figure has been debunked, net zero is NOT zero
- Methane levels are extremely high—rising 2.5 times higher than CO<sub>2</sub>
- Ag is biggest source of methane emissions globally, fossil fuels next, and it is (virtually) impossible to get to zero in ag with a growing population
- “Unabated coal” means CCS which could mean other pollutants that kill/sicken people still being released, more coal mining
- Funding for adaptation = \$356 million in new support at COP26, nowhere near \$100 B annually promised by Secty Hillary Clinton



# Hopeful/positive news

- We need to reduce methane by >45% by 2030 if we are to keep 1.5C target alive, can do this with aggressive mitigation+ removal of methane.
- Methane removal can assist with climate restoration, an insurance policy against natural sources of methane levels rising now (methane burst)
- Scientists we are working with think we can cut in half atmospheric methane levels, shaving peak temps by .5 C, meaning we could meet AND exceed 1.5C upper limit, start restoring the climate
- Over \$350 million has been allocated to address methane pledges.
- Behavioral changes (less ruminants in our diet—i.e., less/no beef, dairy) are good for humans, good for wildlife, good for the planet, more humane, single greatest source of methane

# Leading Locally: Jefferson Co Being A Model Nationally/Globally

- Electrify everything, no new fossil fuel infrastructure (esp. gas), as Berkeley, Eugene, Whatcom County have shown the way.
- Support fossil fuel risk bonds at county level (see CSE). (State level bill being introduced, King County, Multnomah County (OR) have passed resolutions in support of this. Presidential candidates E Warren, Bernie Sanders supported it.)
- Use COP26 climate pledge to end deforestation by 2030 locally, flip to model of communities/public sector being paid to keep forests standing (not supporting schools with clearcuts—a future topic w/ CSE, I hope)
- Carbon-free shipping (ferries running on ammonia, other carbon-free fuels)
- Regenerative ag—Working with the soil, alternatives to ruminants in our diet (i.e. restored fisheries), more composting!





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# Your Turn!

At your tables, we invite you to discuss these questions:

- What reflections or questions do you have for the presenters?
- What ideas or issues would you like to explore, to support Jefferson County's contributions to solving the climate crisis?

Please use the index cards/pens provided to jot down your ideas and questions. Our panelists will circulate among the tables to connect and share.



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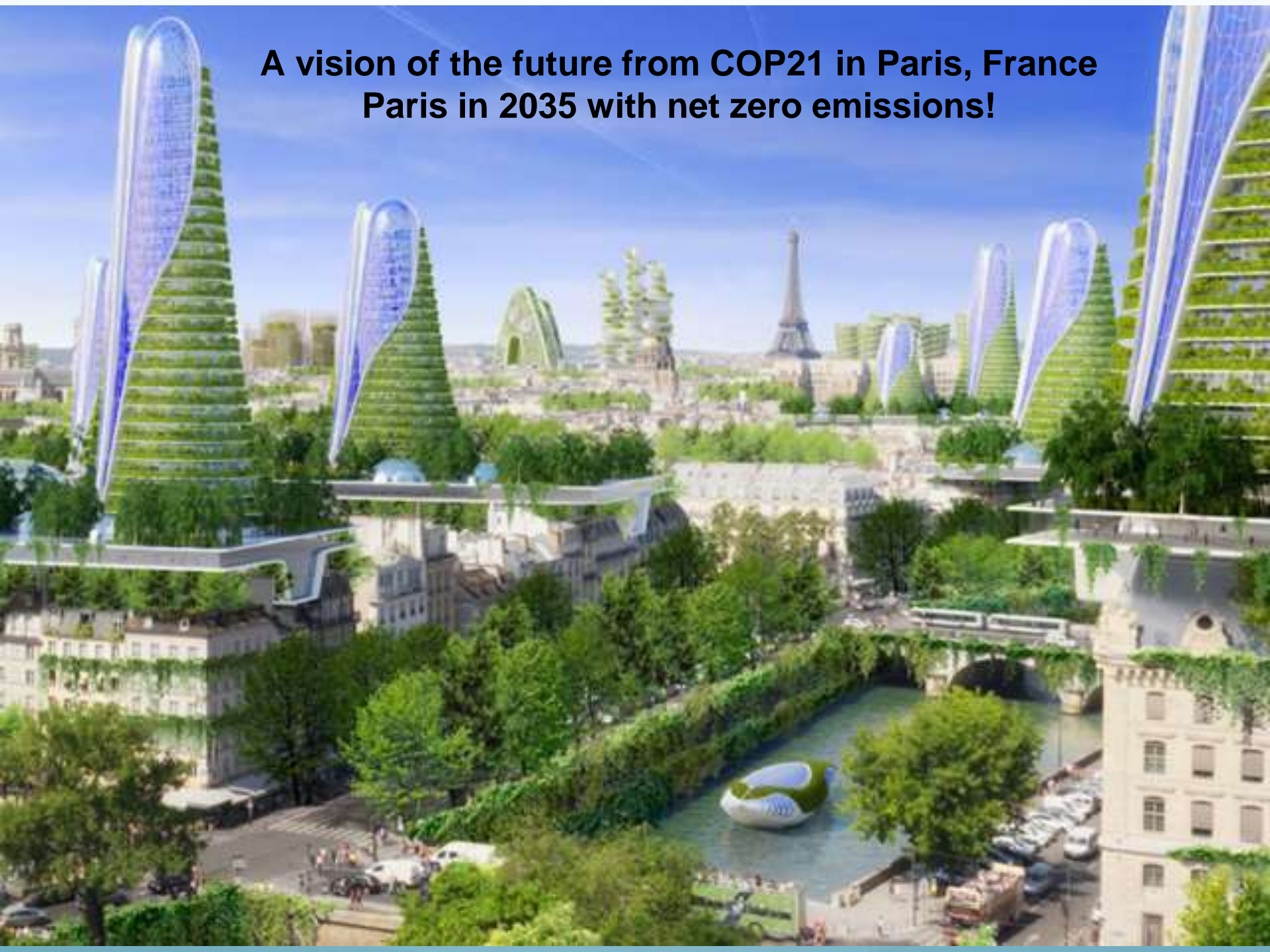
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ADAPTATION



**A vision of the future from COP21 in Paris, France  
Paris in 2035 with net zero emissions!**













# Climate on Tap

***Thank you for coming!  
Questions?***

***Facilitator:***  
**Laura Tucker**

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***Sponsored by:***

