February 2025

OpenMinds Accelerating Energy and Climate Progress



DISCUSSION AGENDA

		_



04

An Introduction to OpenMinds

01

Defining the "Dual Challenge" Confronting the "Dual Challenge" OpenMinds Strategy and Path Forward

OpenMinds' Mission & Identity



OUR MISSION

More energy. Less emissions. Fast.

- 125+ volunteer experts
- 501(c)(3)
- Disciplined non-partisan selection process
- 360° systems engineering approach

WHAT MAKES US UNIQUE



Energy AND climate



Cross-functional expert team



Detailed solutions framework



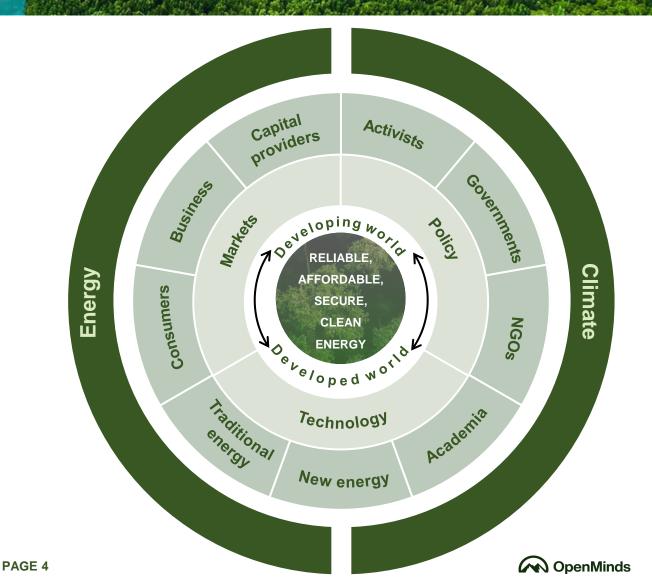
Impact progress by 203X

https://openminds203x.org/

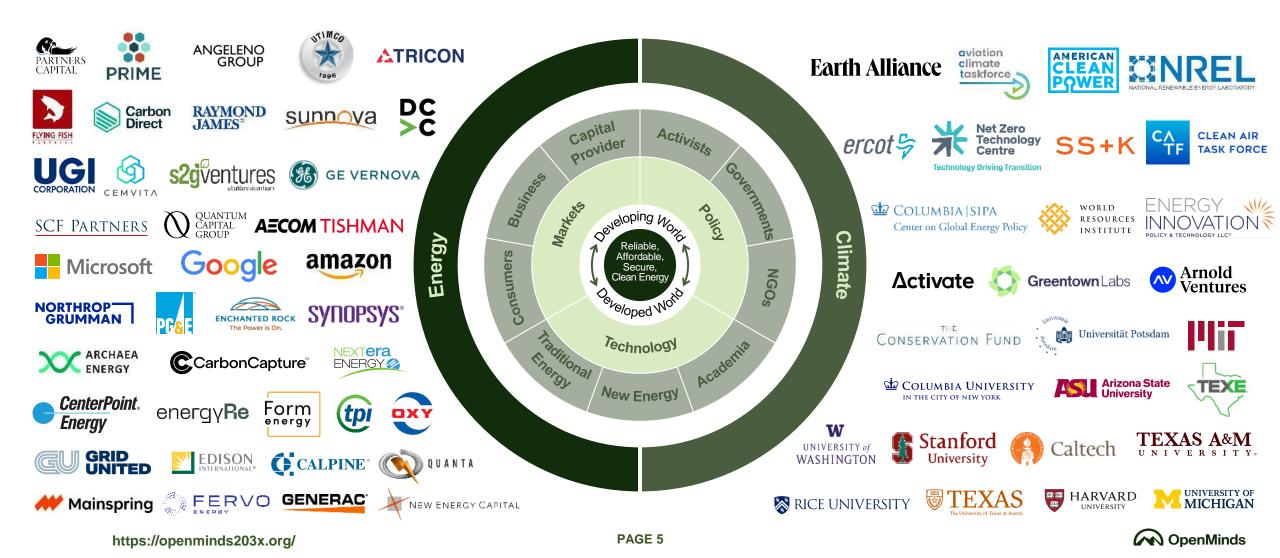


OpenMinds' Solution Approach

We believe that addressing the Dual Challenge requires us to work together in a **nonpartisan** manner across **diverse** fields, industries, and geographies



The OpenMinds Team... Energy AND Climate Experts



The OpenMinds Team

Industry	Role and company	Industry	Role and company	Policy / Influence	Role and Company	Hosts	Role and Company	
Ms. Bridgitt Arnold	VP of Communications, Google	Mr. Darryl Willis	Corporate VP of Energy & Resources, Microsoft	Mr. Joe Kennedv III	President, Citizens Energy		OpenMinds Co-Founder Partner,	
Mr. John Arnold	Founder & CEO, Arnold Ventures	Dr. Mike Witt	VP & CSO, Northrop Grumman			Mr. David Baldwin	SCF Partners	
Mr. John Berger	Founder & CEO, Sunnova Energy International	Academia	Role and Company	Mr. Robert Johnston	Executive Director, Columbia Center on Global			
Mr. Scott Brown	Founder and Chairman, New Energy Capital		Regius Professor of Engineering, Cambridge	Mill Robert Voliniston	Energy Policy	Mr. Jeff Katz	OpenMinds Co-Founder Founding	
Dr. Barbara J. Burger	Corporate Graduate, Energy Director, Advisor and Innovator	Dr. Steven Barrett	University		Former President,		Chairman & CEO, Orbitz / Journera	
Mr. Adrian Corless	CEO, Carbon Capture		Managing Director, Stanford Natural Gas Initiative	Ms. Janet Napolitano	University of California	Ms. Maire Baldwin	Board Director. Permian Resources	
Mr. Ted Craver	Former Chair, President, & CEO, Edison International	Dr. Naomi Boness	and Stanford Hydrogen Initiative		System		,	
Mr. Michael DeBock	Vice President of Origination, NextEra Energy	B. N. 11 F	Executive Director of Programs, Resnick	Mr. Rob Shepardson	Co-Founder, SS+K	Ms. Mara Abbott	Chief of Staff, OpenMinds	
Ms. Jayshree Desai	CFO, Quanta Services, Inc.	Dr. Neil Fromer	Sustainability Institute	Mr. Lenny Stern	Co-Founder, SS+K	Mr. James Baird	Associate Partner, Bain & Company	
Ms. Keila Diamond	Managing Director and Head of ESG, Quantum Energy Partners	Mr. Sam Hall	MBA Candidate, MIT Sloan School of Management	NGO	Role and Company	Mr. Jason Corzine	President & CEO, Telluride	
Mr. Bob Flexon	CEO, UGI Corporation	Mr. Britt Harris	Former CEO & CIO. UTIMCO		Executive Director,		Foundation	
Mr. Jason Glickman	EVP Engineering, Planning & Strategy, PG&E	Mr. Ira Joseph	Global Fellow CGEP, Columbia University	Dr. Doug Arent	Strategic Public Private	Mr Julian Critchlow	Advisory Partner, Bain & Company	
Mr. Jon Goldberg	Founder and CEO, Carbon Direct	Ms. Daniela Marin	PhD Candidate, Stanford University		Partnerships, NREL			
Mr. Thad Hill	CEO, Calpine		Senior Director, Center for Energy Studies at Rice	Mr. Armond Cohen	Executive Director, Clean	Mr. Grant Dougans	Partner, Bain & Company	
Ms. Vicki Hollub	President & CEO, Oxy	Dr. Kenneth Medlock II	University's Baker Institute		Air Task Force	Ms. Emily Emmett	Partner, Bain & Company	
Ms. Phoebe Ho-Stone	CCS Development Planner, ExxonMobil Low Carbon	Dr. Dava Newman	Director, MIT Media Lab	Ma Karluma Caru	Group Manager - Community Energy Transitions. NREL	Mr. Peter Guarraia	Partner, Bain & Company	
	Solutions	Dr. Jonas Peters	Director, Resnick Sustainability Institute	Ms. Karlynn Cory			• •	
Mr. Aaron Jagdfeld	CEO, Generac Power Systems	Dr. Minoo			CEO, Net Zero Technology	Mr. Preston Henske	Partner, Bain & Company	
Mr. Mateo Jamarillo	Co-Founder & CEO, Form Energy Inc	Rathnasabapathy	Research Lead, Future Worlds, MIT Media Lab	Ms. Myrtle Dawes	Centre	Ms. Cate Hight	Partner, Bain & Company	
Mr. Sanjeev Krishnan	Chief Investment Officer & Senior Managing Director, S2G	Mr. Dan Reicher	Senior Research Scholar, Stanford Woods	Mr. Jason Grumet	CEO, American Clean		Co-Founder and Managing Director, Firelake Capital Mgmt.	
Mr. Pier LaFarge	Founder & CEO, Sparkfund		Institute for the Environment		Power Association (ACP)			
Mr. Tim Latimer	Co-Founder & CEO, Fervo Energy	Dr. Peter Schlosser	Vice President - Global Futures Initiative Vice		Global Director – Energy,			
Mr. Steve Lockard	Chairman, TPI Composites		Provost - Arizona State University	Ms. Jennifer Layke	World Resources Institute	Ms. Dianne		
	Founder & CEO, Enchanted Rock	Mr. Ben Soltoff	Ecosystem-Builder/Entrepreneur in Residence,	Mr. Tom Light	President & CEO, Aviation	Ledingham	Advisory Partner, Bain & Company	
Dr. Shannon Miller	Founder & CEO, Main Spring Energy		MIT's Martin Trust for MIT Entrepreneurship	Mr. Tom Light	Climate Taskforce	_		
Mr. Jeff McDermott	McDermott Capital	Dr. Scott Tinker	Director, Bureau of Economic Geology at the		Director of Early Climate	Mr. Paul Maior	Board Member & Manager, Paradox	
Mr. Stan Miranda	Founder & Chairman, Partners Capital		University of Texas	Dr. Lara Pierpoint	Infrastructure, Prime	initi dai major	Community Trust	
Mr. Nate Nickerson	Comms and Public Affairs Partner, DCVC	Dr. Maya Tolstoy	Dean of the College of the Environment, University of Washington		Coalition			
Ms. Lara Poloni	President, AECOM	Dellass (Influence)		Mr. David Pruner	Executive Director, TEX-E	Ma Jasanh Gaallas	Partner, Head of Global Energy &	
Ms. Rachael Porter	CMO, Oxy	Policy / Influence	Role and Company	Mr. Larry Selzer	President & CEO, The	Mr. Joseph Scallse	Natural Resources Practice, Bain &	
Mr. Miguel Prado	CEO, energyRe	Mr. Benji Backer	Executive Chairman & Founder, American	-	Conservation Fund		Company	
Ms. Heather Redman	Co-Founder & Managing Partner, Flying Fish Partners		Conservation Coalition	Dr. Cyrus Wadia	CEO, Activate	Mr. Crosby Scofield	Partner, Vinson and Elkins	
Ms. Starlee Sykes	CEO, Archaea Energy at BP	Mr. Jason Bordoff	Professor & Founding Director, Center on Global	Mr. Brady	Founder & Publisher, Noisy		Partner and CMO, Bain & Company	
Mr. Dan Tishman	Chairman & Principal, Tishman Realty & Construction		Energy Policy, Columbia University	Walkinshaw	Creek	Ms. Erika Serow		
Mr. Ignacio (Nacho) Torras	President & CEO, Tricon	Mr. David Crane	Under Secretary for infrastructure, United States Department of Energy	Mr. Kurt Waltzer	Former CEO, Clean Air Task Force	Mr. Michael Short	Partner, Bain & Company	
Ms. Jessica Uhl	President, GE Vernova	Dr. Reginald	President, Rice University	Mr. Pablo Vegas	CEO, ERCOT			
Mr. Al Vickers	COO, Grid United	DesRoches	,					
Mr. Andy Waite	Managing Partner - SCF Partners	Mr. Hal Harvey	Founder, Energy Innovation				. and many more	
Mr. Daniel Weiss	Co-Founder and Managing Partner, Angeleno Group	Mr. Mac Heller	Documentary Film Producer			• ·		
Mr. Jason Wells	President & CEO, CenterPoint Energy	Mr. John Hickenlooper	Former Governor and Current US Senator, State of Colorado					



Collaboration with Complementary Strengths

OpenMinds has a diverse, nonpartisan network of climate & energy leaders and a focus on impact by 203X...

...Bain supplements with global scale, deep industry expertise, and advanced analytics capabilities







Overview of Bain's Energy Transition Capabilities

Uniquely collaborative culture – Bain works alongside clients as one team, caring about the client's business as if it were their own

Integrated innovation – Bain's tailored, integrated expertise is complemented by a vibrant ecosystem of digital innovators to deliver better, faster, and more enduring outcomes, including 17 innovators focused on climate and sustainability

Transformative change – Bain's proprietary Results Delivery® approach improves clients' capacity for change and delivers sustained results

Deep expertise – Bain's global network includes 1,400+ experts with sustainability experience



Proven results – Bain has successfully driven 700+ energy transition projects across industries, driving financial and social impact across regions

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DISCUSSION AGENDA

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An Introduction to OpenMinds

Defining the "Dual Challenge" Confronting the "Dual Challenge" OpenMinds Strategy and Path Forward

04

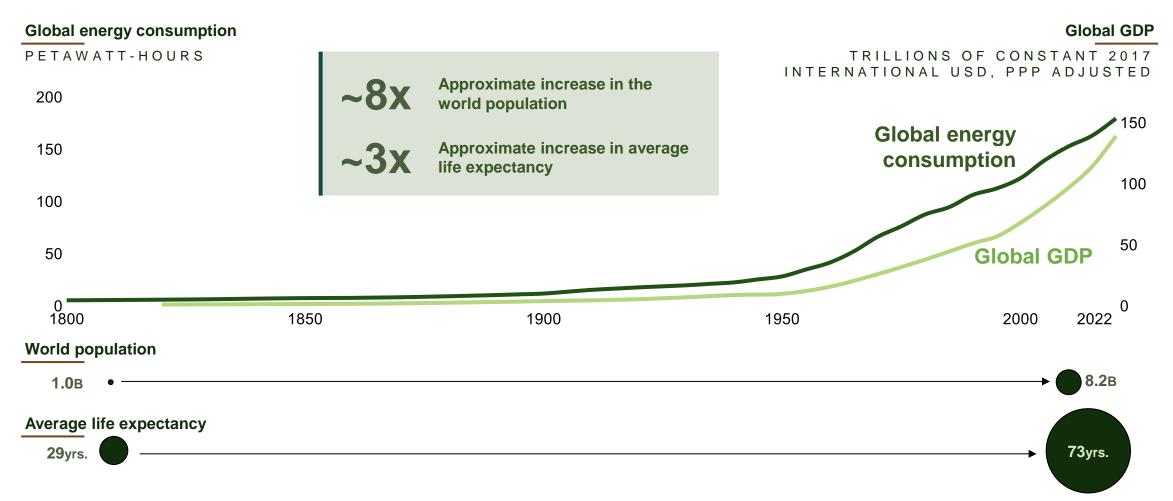
The Dual Challenge: An Overview



Energy is fundamental to human wellbeing and flourishing... ... but our primary energy sources, fossil fuels, are also the principal source of human greenhouse gas emissions, which **cause** global warming The tension between energy supply and climate change presents the **Dual Challenge** This is a **global** problem of enormous **scale and complexity**, and addressing it will require us to balance **competing priorities**



Energy Drives Human Well Being and Longevity



Note: GDP is adjusted for purchasing power parity. Sources: BP Statistical Review of World Energy 2021; Vaclav Smil, *Energy Transitions: Global and National Perspectives*, 2017; Maddison Project Database, version 2020. Bolt, Jutta and Jan Luiten van Zanden (2020), "Maddison style estimates of the evolution of the world economy. A new 2020 update"; World Bank; Our World in Data

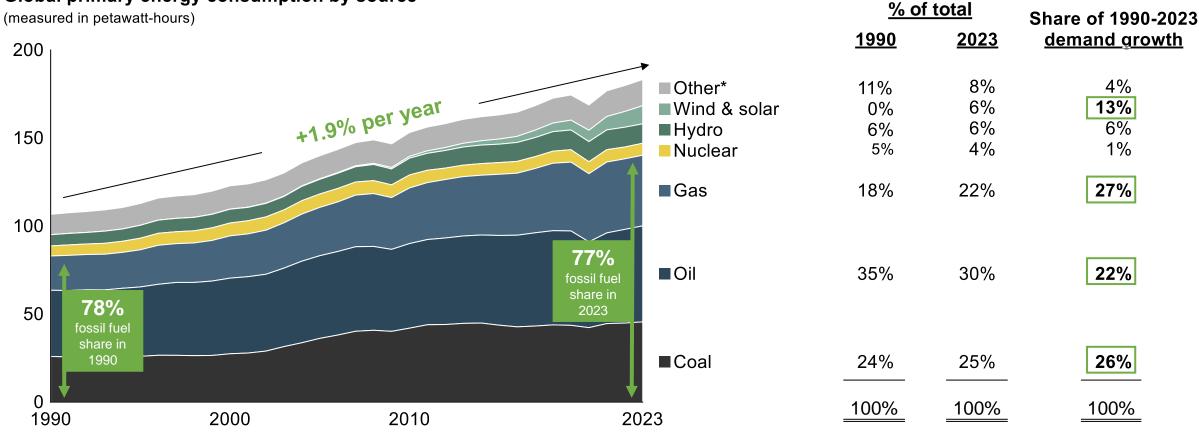
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Growth in Energy Consumption

Global primary energy consumption by source

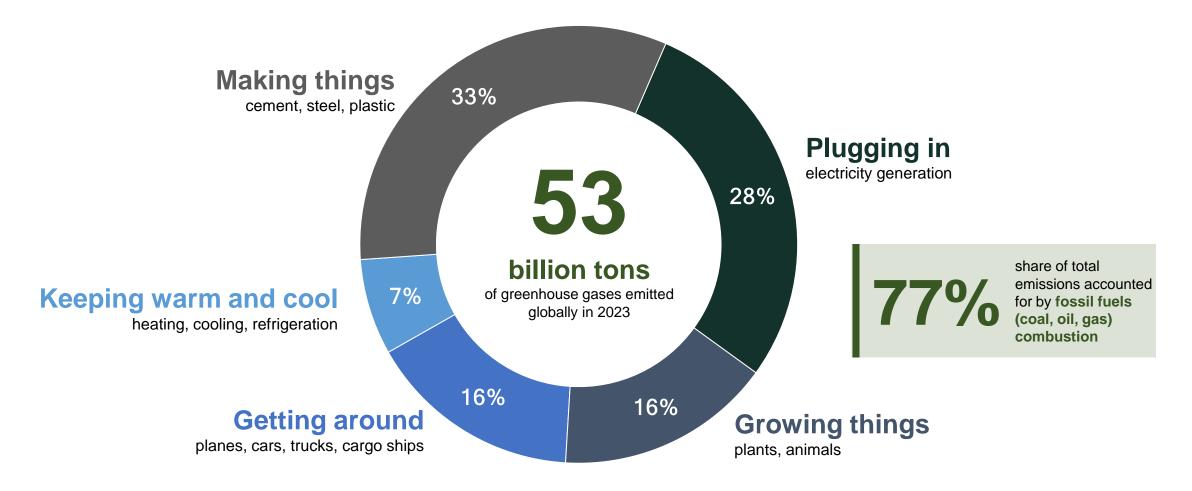


Note: * Other includes traditional biomass, biofuels, and other renewables Source: Our World in Data <u>Energy Mix</u>

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Human Activities Driving Greenhouse Effect



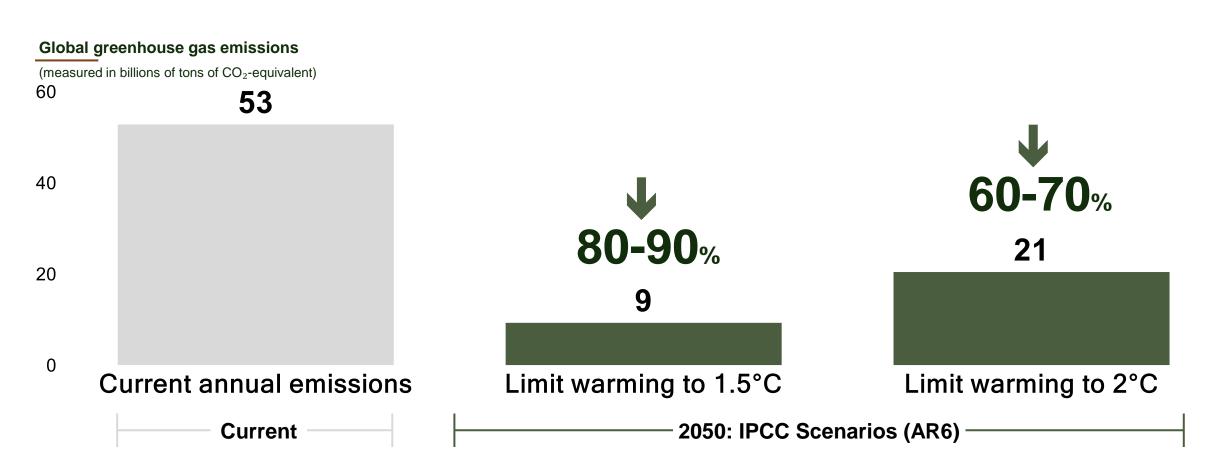
Note: Emissions measured in tons of CO_2 -equivalent and include carbon dioxide, methane, nitrous oxide, and f-gases Source: Bill Gates, *How to Avoid a Climate Disaster* (2021); EDGAR *GHG emissions of all world countries*, 2024 report

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Required Emissions Reduction



Note: 1.5°C scenario refers to "Limit warming to 1.5 °C (>50%) with no or limited overshoot" scenario in IPCC; 2 °C scenario refers to "Limit warming to 2 °C (>67%)" scenario. ">50%" and ">67%" refer to probability of reaching scenario should emissions reduction targets be reached

Source: IPCC, Sixth Assessment Report (AR6), Climate Change 2022: Mitigation of Climate Change – Summary for Policymakers, Table SPM.1 (2022); EDGAR GHG emissions of all world countries, 2024 report

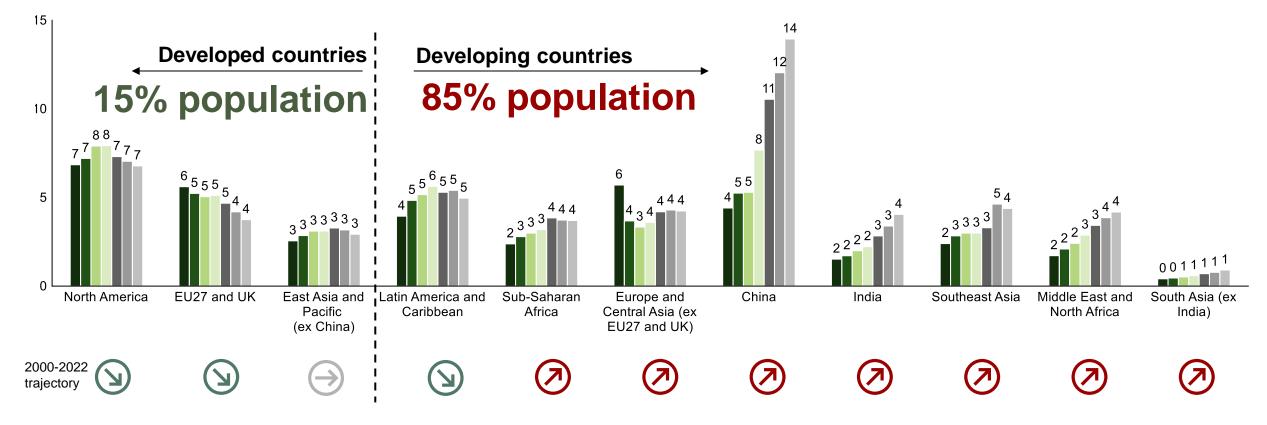
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A Two-Track World on Emissions

Annual CO₂e emissions by country or region¹ (measured in billions of tonnes of CO₂e)

■ 1990 ■ 1995 ■ 2000 ■ 2005 ■ 2010 ■ 2015 ■ 2022



Note: (1) Emissions include carbon dioxide, methane, and nitrous oxide from all sources, including land-use change Source: Our World in Data

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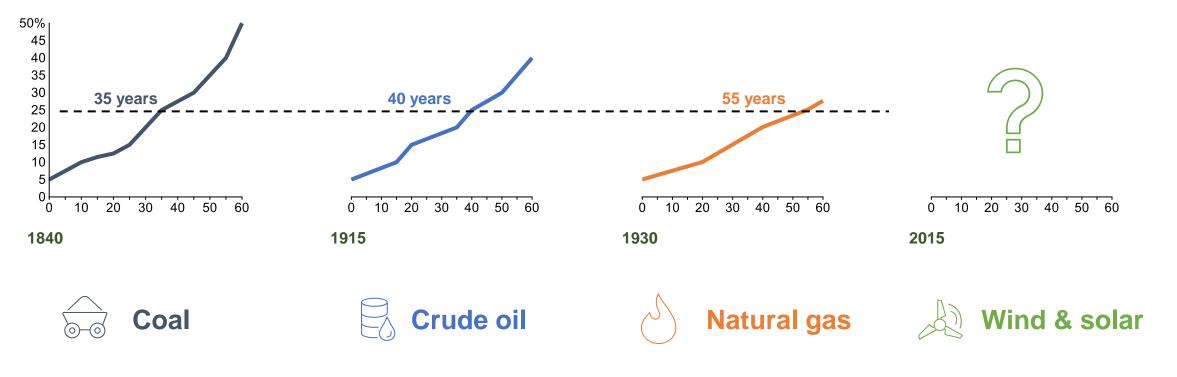
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Transitions Take Decades

Years until supplying 25% of global primary energy supply

(share of global primary energy supply)



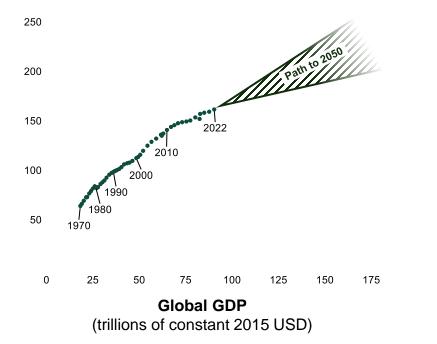
Note: Based on time from 5% to 25% of global energy supply Source: Vaclav Smil, *Energy Transitions: Global and National Perspectives* (2017)



The Core of the Dual Challenge

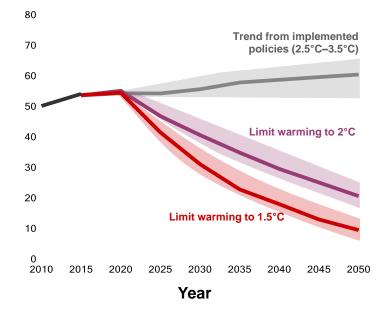
Energy Will Grow

Global primary energy demand (petawatt-hours)



Emissions Must Decline

Global annual greenhouse gas emissions (gigatons of CO₂-equivalent)



The Dual Challenge

Global CO₂e emissions

(gigatons of CO₂e) 60 50 2022 40 30 1980 1970 20 10 Π 0 75 100 125 150 175 200 225 **Global Primary Energy Demand** (petawatt-hours)

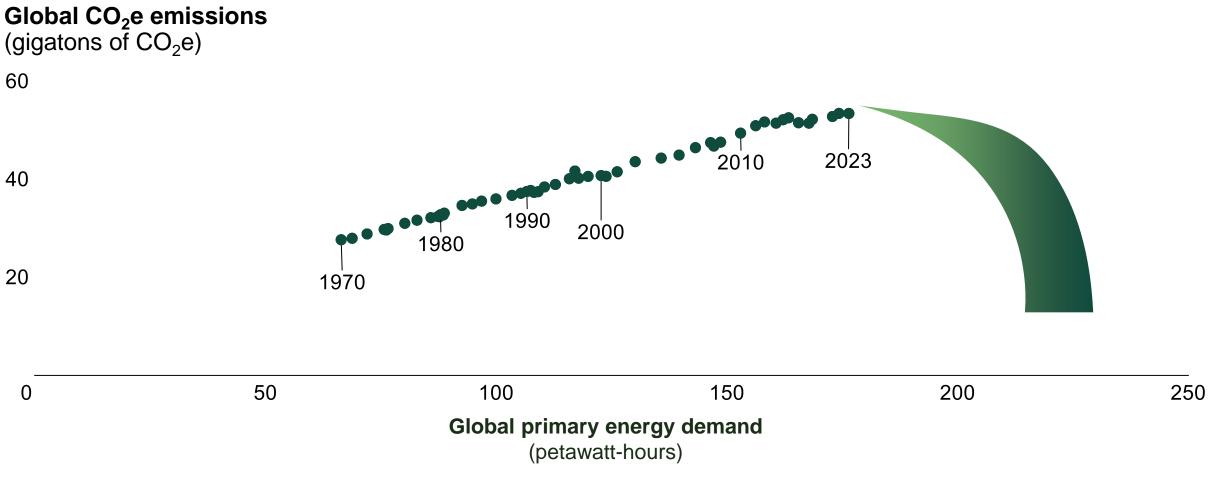
Note: Warming figures in middle-side emissions chart are relative to the preindustrial period and reflect projected warming level by 2100 in each scenario; bold lines in emissions chart represent median estimate, and shaded regions reflect a range from the 25th to 75th percentile. Emissions in right-side chart reflect global CO₂ emissions inclusive of land use change. Sources: IPCC, Sixth Assessment Report; World Bank; Our World in Data

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Our Task: Change the Trajectory of Emissions



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Our Solutions Approach

Where are emissions coming from?

Understand energy sources, consumption patterns, and emissions to spot crucial action areas



What are the tradeoffs of each solution?

Identify and systematically evaluate a long list of potential technical solutions



What is the most efficient pathway?

Identify the solutions with the highest potential for impact through 203X

How do we drive impact globally?

Assess solution feasibility at a country-level, based on varying resources and priorities, to calibrate deployment rates

Accelerate progress against the Dual Challenge by 203X

3



Analysis of Emissions and Energy Consumption

Energy and Emissions

		y (petro)chemic y, construction	· · · · · · · · · · · · · · · · · · ·	·	ort ation rail and p	oipeline	Buildin Residenci buildings	ial and comme		J	ture e and fishing		Other Non-speci non-energ			Total		A Electricity generation fro fossil fuels
	Energy	Emission	En/Em	Energy	Emission	En/Em	Energy	Emission E	in/Em	Energy	Emission	En/Em	Energy	Emission	En/Em	Energy	Emission	B Oil and oil products for
ENERGY Electricity/heat	18%	12%		<1%	0%	_	20%	12%	_	1%	1%	_	2% ¹	7%²		42%	32%	transportation
Coal	8%	8%		<1%	0%	•	9%	8%		<1%	<1%		<1%	5%	•	A 18%	21%	C Energy usage in building
Oil products and oil	<1%	<1%		-	-	-	<1%	<1%		-	-	-	-	-	-	<1%	1%	
Natural gas	4%	3%		-	-	-	5%	3%		-	-	-	<1%	1%		10%	7%	D Fugitive emissions
Bio/waste ⁶	<1%	<1%		-	-	-	1%	<1%		-	-	-	-	-	-	2%	2%	E Industrial processes
Nuclear	3%	<1%		-	-	-	3%	<1%		-	-	-	-	-	-	6%	<1%	(E) Industrial processes
Renewables ⁷	2%	<1%		-	-	-	2%	<1%		-	-	-	<1%	<1%		5%	<1%	F Energy supply needs to
Direct combustion	14%	13%	-	22%	17%	-	14%	6%	-	<1%	<1%	-	8% ³	7% ⁴	-	58%	44%	expand in a lower carbo
Coal	6%	6%	• (ລ -	-	-	1%	<1%		-	-	-	<1%	1%		7%	7%	manner to support
Oil products and oil	2%	2%		B) 20%	16%		2%	1%		<1%	<1%		6%	5%		31%	24%	economic growth in the
Natural gas	5%	3%		<1%	<1%		5%	2%		-	-	-	1%	1%		12%	6%	developing world
Bio/waste	1%	2%		<1%	1%		6%	3%		-	-	-	-	-	-	8%	6%	
	2																	Legend:
Industrial processes		6%	N/A	-	-	N/A	-	-	N/A	-	-	N/A	-	-	N/A	N/A	6%	Key impact areas
Agriculture	-	-	N/A	-	-	N/A	-	-	N/A	-	12%	N/A	-	-	N/A	N/A	12%	High Energy/Emissions ratio
Other	-	-	N/A	-	-	N/A	a -	-	N/A	-	-	N/A	-	7% ⁵	N/A	F N/A	7%	 Moderate Energy/Emissions ratio Low Energy/Emissions ratio
Total	32%	31%		22%	17%	(C 34%	18%		2%	13%		10%	21%	(F 100%	100%	

Note: Data reflected above is for 2019. Energy data reflects primary energy and emissions data reflects greenhouse gas emissions in terms of CO₂ equivalent. 1: Electricity/heat going to non-specified and non-energy uses, 2: Unallocated fuel combustion for electricity, 3: Energy going to non-specified and non-energy uses, 4: Emissions from energy production and fugitive emissions, 5: Emissions from LUCF and food waste (6%), 6: Includes traditional biomass and animal materials/waste 7: Includes geothermal, solar/tide/wind, and hydro, CO₂ equivalent includes methane and nitrous oxide emissions. Figures are directional. Sources: IEA, WRI, Climate Watch, German Environment Agency; EIA

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DIRECTIONAL

Key impact areas

Emissions and Energy Consumption by Country Archetype

PRELIMINARY

Total emissions by archetype

Percent of CO₂e emissions - 2023

Other <u>Australia</u> Germany Canada Saudi Arabia United States	Other Spain Italy United Kingdom France South Korea Japan	China	India	Other South Africa Vietnam Mexico Iran Indonesia Brazil Russia	Other Thailand Pakistan	
Resource abundant	Resource deficient	China	India	Resource abundant	Resource deficient	Rest of World
% of emissions 20%	8%	31%	8%	23%	5%	4%
% of final energy 26% consumption	13%	28%	6%	21%	4%	3%
% of population 8%	7%	18%	18%	21%	11%	16%
Advanced ec	onomies ———		Emerging ec	onomies		

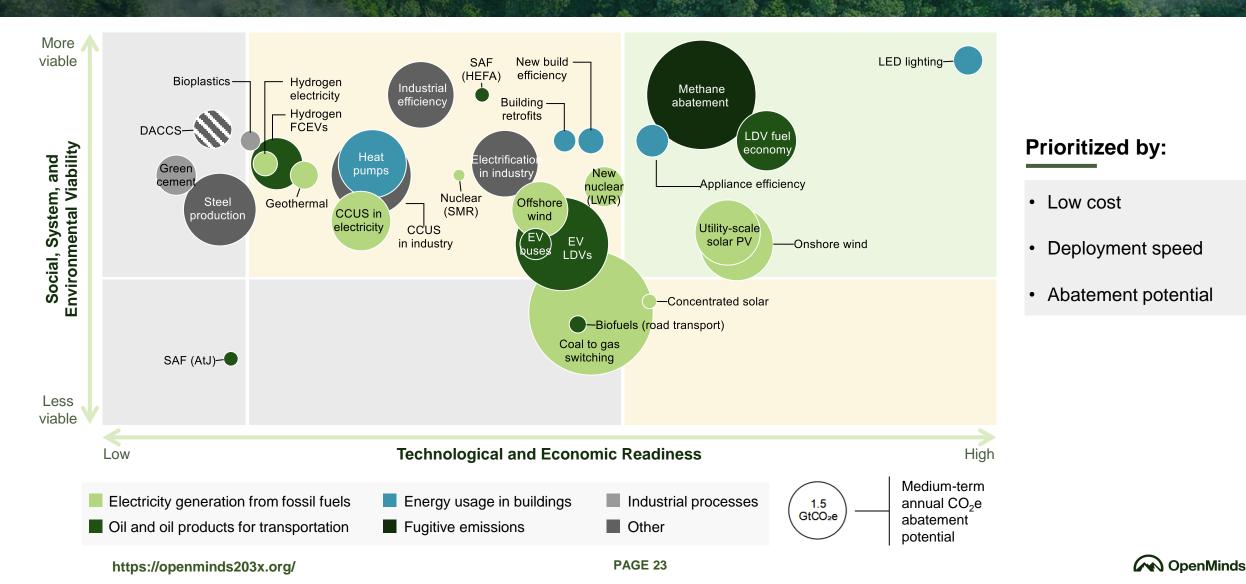
Note: Countries are grouped into archetypes by level of development and resource abundance. CO₂ emissions includes land use, land use change, and forestry Source: EDGAR *GHG emissions of all world countries, 2024 report;* Our World in Data

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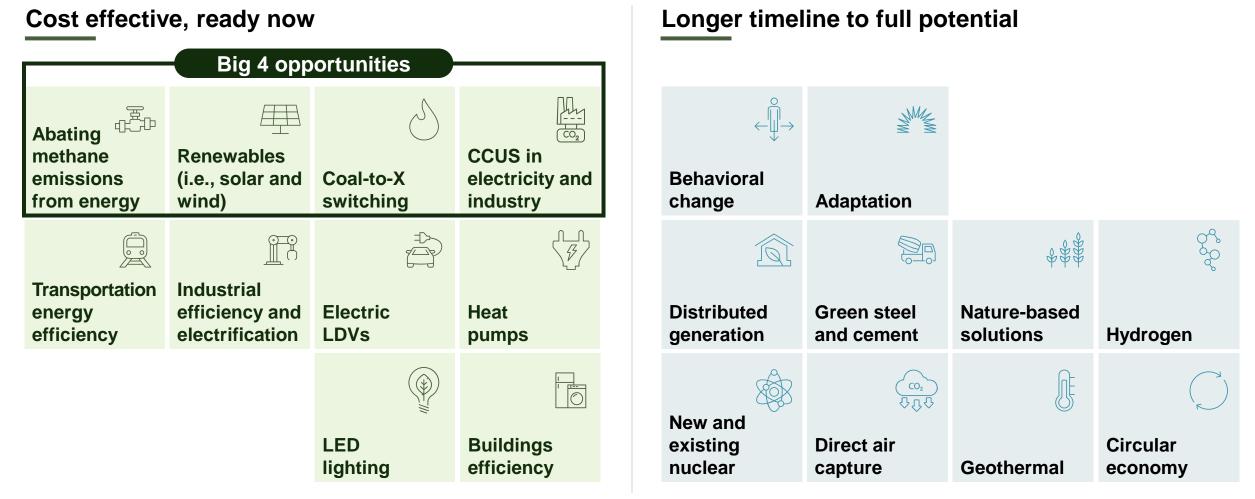
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Prioritization of Potential Solutions



OpenMinds' Top 10 Solutions

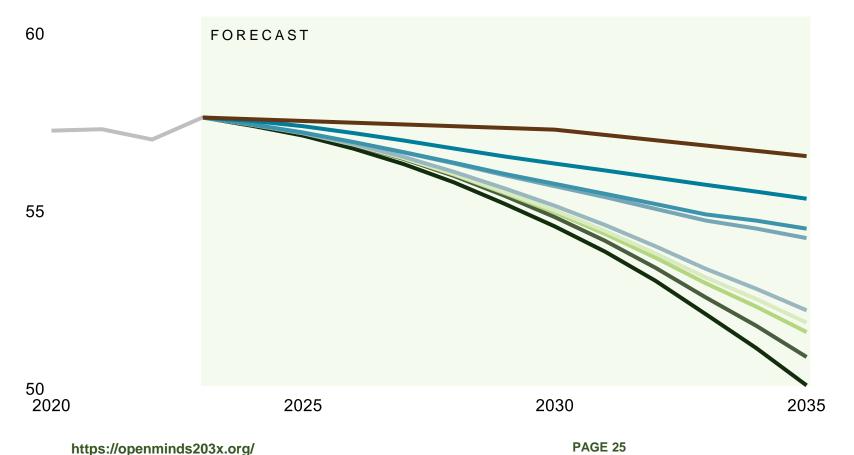


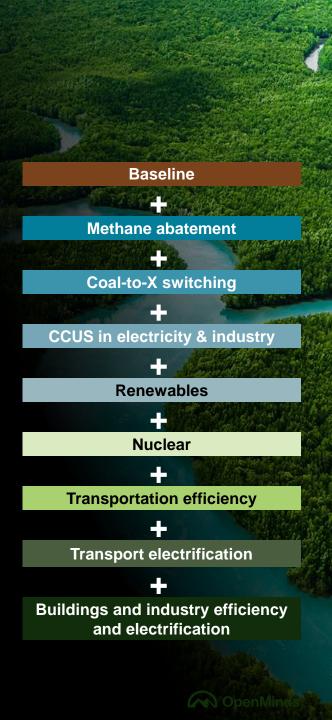


Impact of Implementing Key Solutions

Projected emissions impact

GIGATONS OF CO_2E per year





DISCUSSION AGENDA

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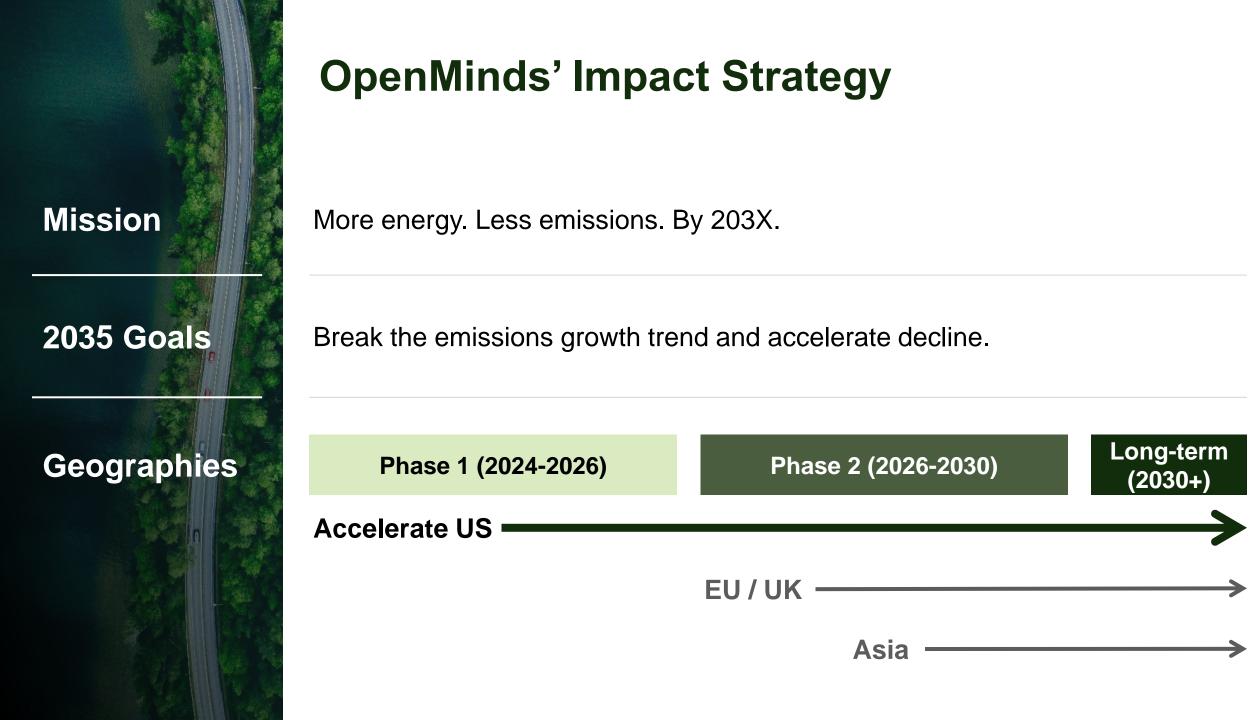


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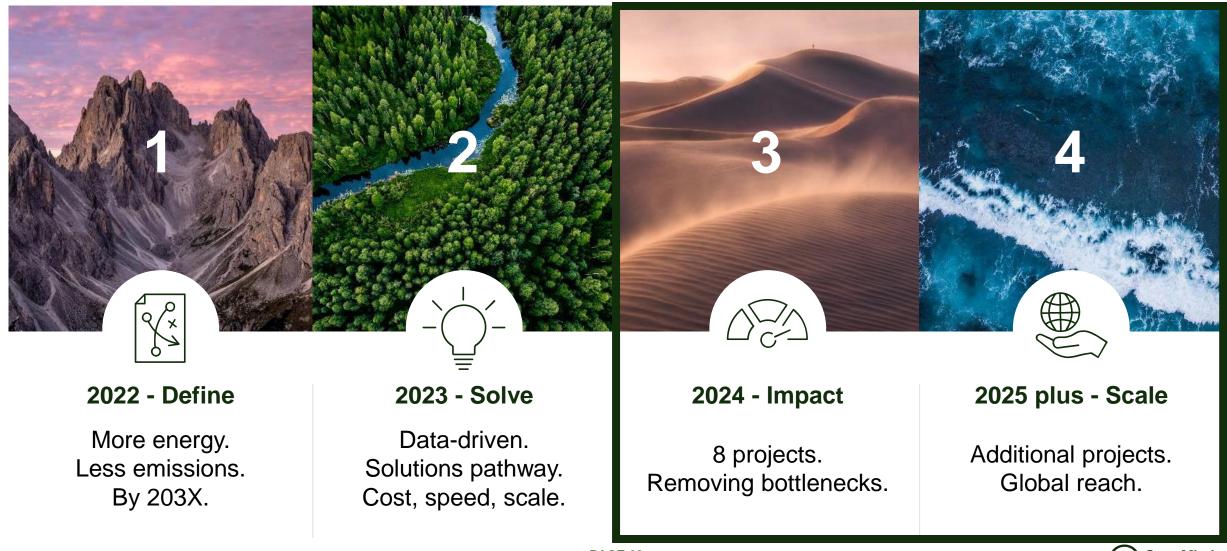
An Introduction to OpenMinds

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Defining the "Dual Challenge" Confronting the "Dual Challenge" OpenMinds Strategy and Path Forward



OpenMinds: Transitioning to Impact in 2024+

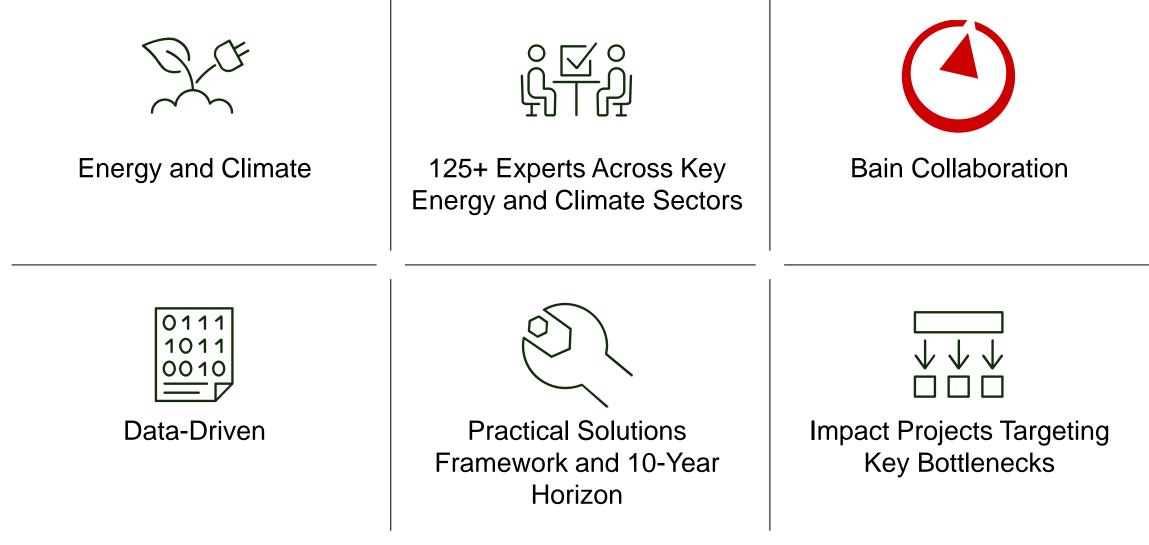


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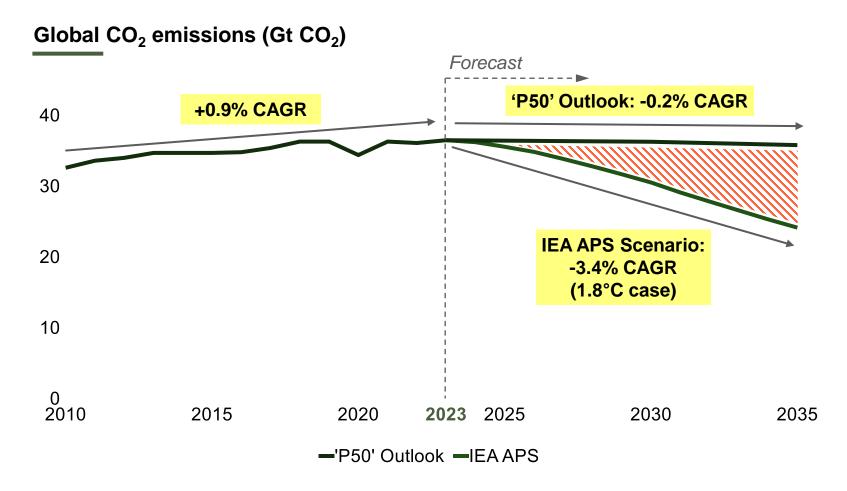


OpenMinds + Bain = Differentiated Impact





We're Bending the Emissions Curve, Yet Face a Big Gap



The gap through 2035

~66Gt

Total global CO₂ emissions gap between the 'P50' Outlook and 1.8°C scenario

-14%

Total global CO₂ emissions reduction needed to stay on track from '23-'35



What's Needed to Close the Gap in the US

More Firm and Low-Carbon Generation

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Cleaner Fossil Fuel Power



Energy Efficiency and Electrification

New Generation of Leaders





OpenMinds' Impact Projects – Removing Key Bottlenecks

More Firm and Low-Carbon Generation

Meet AI Demand with Renewables

Create the Market for Multi-Day Storage

Segment Direct Air Capture Customers Cleaner Fossil Fuel Power

Quantify CCUS Economics

Prove and Catalyze CCS

Incentivize Methane Abatement

Evaluate Coal-to-X Switching Full Potential Expanded Transmission

Accelerate Transmission Permitting Reform

Catalyze Transmission Investment

Improve Community Benefits of Transmission Energy Efficiency and Electrification

To be determined

New Generation of Leaders

Launch NextGen Program

Scale the NextGen Community

Trusted Source of Information and Progress

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OpenMinds' 2025 Impact Projects

OBJECTIVE

Remove key bottlenecks to the highestpriority Dual Challenge solutions

KEY TENETS

- Target a meaningful bottleneck
- Ensure strong sponsorship guiding an expert team
- Create uniquely additive impact
- Demonstrate measurable success within one year

APPROACH

Energy and climate experts design and execute projects guided by our solutions framework, 2035 forecasts, and our data-driven, non-partisan approach

Prove and Catalyze CCUS for Gas 2 Create the Market for Multi-Day Stor Mission: Enable producers, customers, & value Mission: Prove value of MDS capacity value chain coalitions to speed learning, simplify through a dedicated ISO auction profitability, and spur projects Year 1 Success: ISO commitment to define Year 1 Success: Key customer publicly commits clean, firm capacity & auction; Engage two ot to power generated w/ CCUS; Value chain ISOs on similar actions; Published perspectiv coalition formed; Published perspective on on scaling MDS scaling CCUS Long-term success: X MW of MDS installed Long-term Success: Develop scalable, first ISO by 2028; X MW of MDS installed in L actionable model to get 5+ FIDs by 2032 by 2035 Team: Calpine, Clean Air Task Force, Oxy **Team:** Form Energy, energyRe

Communicating to Accelerate Impact

5 Develop a Dual Challenge Dashboard	6 Advance OpenMinds' Launch				
Mission: Establish a simple, ubiquitous progress	Misson: Host OpenMinds' strategic public debut				
tracker relied upon by top decision-makers	Year 1 Success: Social media presence; OM25;				
Year 1 Success: Develop a prototype for	Earned hit in target publication				
revision at OM25; Public launch by EOY25	Long-term Success: Top trusted voice for best				
Team: MIT, OpenMinds Staff, others TBD	in-class Dual Challenge comms				
	Team: Google, DCVC, SS+K, Oxy, Univ. of Washington, ACC, Noisy Creek				

Connecting America

orage	3 Accelerate Transmission Permitting Reform	4 Improve Community Benefits of Transmission
e	Mission: Prove transmission infrastructure climate, energy, and community benefits to key audiences to quicken deployment	Mission: Improve community benefits of transmission to shorten project timelines and provide trusted, long-term host value
other ive ed in	Year 1 Success: Develop economic benefits model for 4 transmission projects; Engage key decision-makers by sharing public model and supporting data (completed)	Year 1 Success: Publish case studies on successful in-construction projects; Prioritize and determine implementation plan for states that would benefit most; Host stakeholder session to
US	Long-term Success: Post-EPRA KPIs in	deploy findings
	development, project relaunch Spring 2025	Long-term Success: KPIs in development
	Team: Conservation Fund, New Energy Capital, Grid United	Team: Clean Air Task Force, Conservation Fund, Grid United, EDF, NRDC
	Developing NextGen Leader	S
	7 Launch the NextGen Program	8 Scale the NextGen Community
lebut M25;	Mission: Connect and empower the second cohort of the next generation of energy and climate leaders	Misson: Create a strong cohort of 300 leading young entrepreneurs, leaders, and activists to drive a successful energy transition over multiple

Year 2 Success: Select next ~30 for Leadership Program; Adapt program based on Year 1 feedback; Define next 6 sponsor projects aligned with other impact efforts

Team: 16+ universities, with academics from Stanford, MIT, Columbia, CalTech, Rice, UW decades

Long-term Success: 300+ NextGen Leaders having completed the program, and connected to each other and to broader OpenMinds experts

Team: 16+ universities, with academics from Stanford, MIT, Columbia, CalTech, Rice, UW

Decarbonizing Generation

OpenMinds Impact Project Leadership









2024 NextGen Cohort



Frank Agwuncha

Columbia University Masters - Sustainability Management





Edward Apraku

Engineering

Ainee Athar

MBA/MSc -

Victor Awosiji

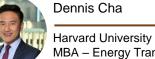
Stanford Universitv

Stanford University

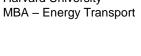
Environmental Resources

PhD – Environmental





MIT



MBA - Entrepreneurship

David Brown





César Lasalde-Ramírez Caltech PhD – Energy Storage

Tam Kemabonta

PhD – Sustainable

Vivek Kesireddy

PhD – Petroleum

Texas A&M

Engineering

Energy

Arizona State University



PhD – Chemical

Karina Masalkovaite

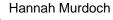


Hillary McKenzie



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Hannah Mae Merten
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Harvard University MBA/Masters - Public Policv



Stanford University MBA/MS - Environment & Resources

Kristina Nabayan

Columbia University PhD – Materials Science & Engineering

Ian Naccarella

Harvard University MBA - Electric Vehicles



University of Potsdam MA - Political Science, **Environmental Policy**

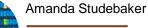




MIT MBA - Sustainable Fuels



University of Washington PhD - Earth and Space Sciences & Astrobiology



Stanford University MBA/MS - Environment & Resources

Andrew van Baal



Yingxiao Zhang

University of Michigan PhD – Climate Sciences & Engineering







University of Michigan Bachelors - Computer Science





Debjyoti Chatteriee

University of Texas

PhD – Electrical &

Computer Engineering



MBA - Energy & Climate Technology



University of Michigan MBA/MS - Sustainability



















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Solving for the Dual Challenge.