ENABLING CLIMATE RESILIENCE IN BUSINESSES WITH STRATEGIC AND OPERATIONAL GUIDANCE

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European Transport and Energy Research Centre
Institute of Transportation Studies

UNCERTAINTY

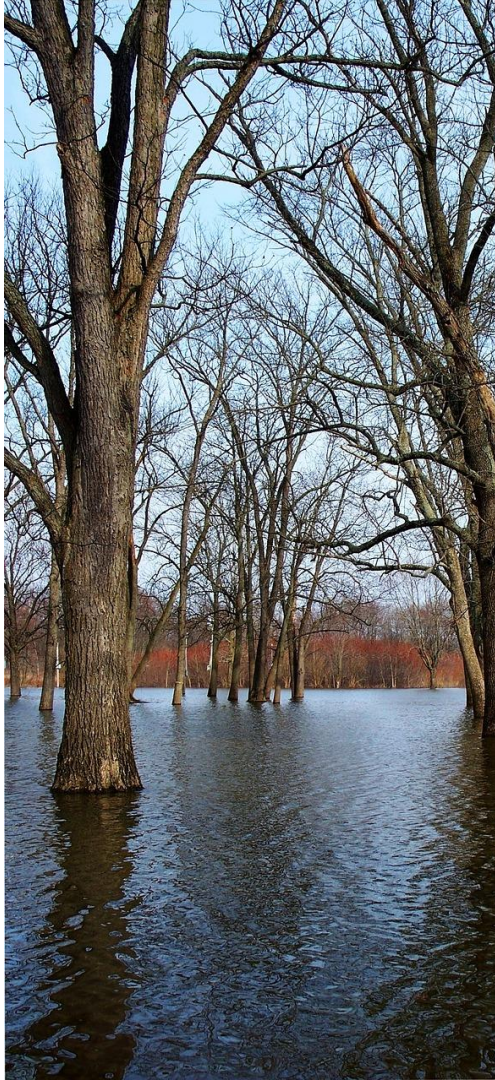
The response to the climate crisis is becoming increasingly complex. Political changes and new regulations are slowing progress, generating uncertainty among companies and investors.

- In **Europe , the new Omnibus** package drastically reduces the number of companies obliged to report their environmental performance.
- In the **United States** , the aim is to eliminate some measures introduced to hold companies accountable for emissions.
- **Geopolitical** crises , such as the wars in **Ukraine** and **Gaza and US** tariffs on **China** and other countries, distract attention from climate risks, while extreme events – such as fires, floods and droughts – increase.

In this context, it is essential not to lose sight of the objectives of **climate and environmental resilience** .

CHALLENGES

- **Regulatory uncertainty** : Slows down the sustainable transition and increases risks in the transport, energy, logistics and finance sectors.
- **Planning Difficulties** : Regulatory instability hinders long-term strategies and low-carbon investments.
- **Energy Volatility** : Lack of clarity on renewables slows fossil-fuel transition; global crises make oil and gas prices unstable.
- **Growing climate impact** : Extreme events damage infrastructure, drive up insurance costs and disrupt supply chains.
- **Market pressures** : Investors and consumers demand commitment and transparency, pushing banks and companies to communicate sustainable strategies even without regulatory obligations.



NEEDS

To remain competitive in this ever-changing landscape, businesses must:

- anticipate regulatory changes in the fields of **decarbonisation, energy markets and hydrogen** ;
- remain transparent even with **fewer reporting obligations** ;
- manage **geopolitical risks** and **energy uncertainties** ;
- **zero-emission** solutions (such as fleet electrification) by leveraging incentives and addressing infrastructure challenges.

PARTNERSHIP

World Funk Pictures (WFP) and **ETERC/ITS–University of California Davis** collaborate to provide specialized consulting and implementation services.

- **ETERC/ITS-UC Davis** is a globally recognized research center for work on sustainable mobility, energy, and climate policy. It collaborates with public and private institutions to design innovative solutions.
- **WFP** helps companies develop sustainable growth strategies, integrating storytelling and strategic positioning to strengthen corporate resilience and reputation.

Through this partnership, we bridge cutting-edge research with real-world business applications, providing organizations with forward-thinking strategies to navigate the transition toward low-carbon, resilient, and future-ready solutions. Whether through policy briefings, scenario modelling, or hands-on implementation of resilient strategies, we help businesses turn sustainability into a competitive advantage.

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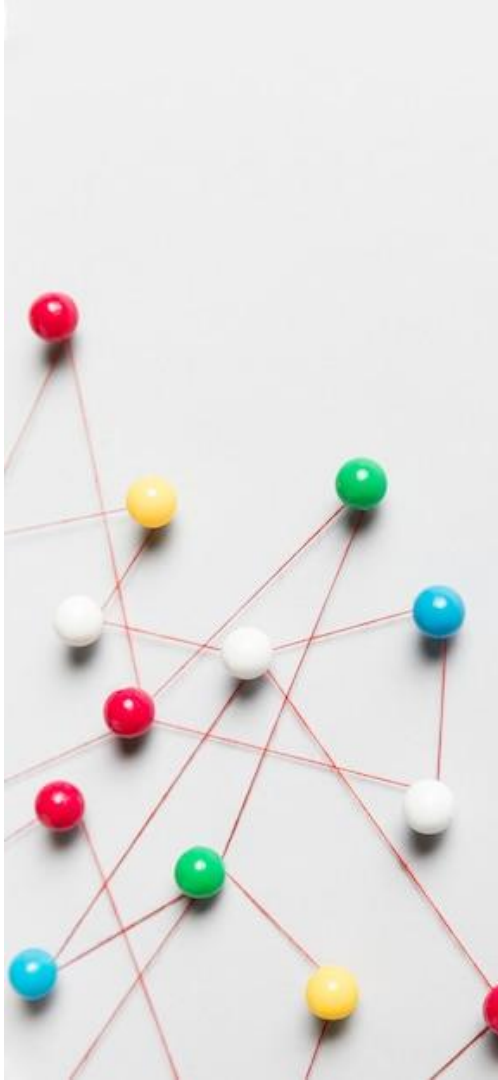
SERVICES

- **Regulatory Support** : We help companies understand and anticipate international rules (EU, US, UN, etc.), creating strategies that comply with the laws without harming the bottom line.
- **Technologies and Investments** : We analyze solutions such as electric, hydrogen and alternative fuels to help companies choose where and how to invest.
- **Logistics and Fleets** : We offer support in fleet transitions, resolve technical issues and evaluate all costs, including those related to regulations.
- **Strategy and Market** : We explain how new technologies influence the market and help companies seize opportunities and prepare for global changes.
- **Data and Models** : We use data and scientific tools to plan decarbonization strategies, improve efficiency and reduce emissions according to global standards.



WORKING GROUPS

We support companies in creating **cross-functional teams** to address challenges related to resilience, innovation and sustainability.

Services included:

- **Engagement of relevant stakeholders**
- **Facilitating strategic discussions**
- **Benchmark analysis and best practices**
- **Definition of operational roadmaps**
- **Monitoring results and adapting strategies**

WORKSHOPS

We organize structured **workshops** where our experts guide corporate teams in defining tailor-made climate resilience strategies.

Process steps:

- **Business Vulnerability Assessment**
- **Analysis of future scenarios**
- **Development of customized solutions**
- **Implementation Planning**
- **Defining Monitoring Metrics**

Each participant leaves the workshop with a concrete and achievable action plan, built around the needs of the company.

LEAD SPECIALISTS

PIERPAOLO CAZZOLA

Pierpaolo Cazzola is the Director of the European Transport and Energy Research Centre of the Institute of Transportation Studies at the **University of California, Davis**. Pierpaolo is also a Non-resident Fellow at the Center on Global Energy Policy at **Columbia University**'s School of International and Public Affairs and an independent author of targeted analyses on transport, energy, sustainability, technology and innovation for public institutions.

Pierpaolo spent more than 20 years working internationally at the intersection of **transport**, **energy** and **environmental sustainability**. He was advisor on energy, technology and environmental sustainability for the **International Transport Forum** (2019-2022), transport lead in the Energy Technology Policy Division of the **International Energy Agency** (2014-2019), coordinator of the Electric Vehicles Initiative of the **Clean Energy Ministerial** (2016-2019), Secretary of the Working Party on Pollution and Energy of the **World Forum for the Harmonization of Vehicle Regulations** (WP.29) of the **United Nations** (2011-2014), amongst other roles. In 2022, he also supported the **Italian Government**, during the **Draghi tenure**, to elaborate policies on transport decarbonisation.

Pierpaolo has a **Master degree in Energy Economics** from the Institut Français du Pétrole et Énergies Nouvelles, a **Master in Aerospace Engineering** from the Politecnico di Torino and a **Bachelor of Engineering in Aeronautics** from the University of Glasgow.

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JACOB TETER

Jacob Teter is an expert in **transport**, **energy**, and **sustainability analysis**, with over two decades of experience in research and policy. Based in France, he holds a **PhD in Transportation Technology and Policy** from the **University of California, Davis**, and has conducted extensive research on decarbonisation pathways, energy systems modelling, and the economic impacts of low-carbon technologies.

Jacob's career includes significant roles at the **International Energy Agency (IEA)**, where he managed transport analysis and led global projects such as the Global Fuel Economy Initiative and the Electric Vehicles Initiative. He has also worked with organisations like the **International Council on Clean Transportation**, the **World Bank**, and the **OECD**. His expertise spans techno-economic analysis, lifecycle emissions accounting, and policy development for decarbonising aviation, heavy-duty vehicles, and rail. Jacob has contributed to key reports on energy transitions and climate change, including the IEA's "Energy Technology Perspectives" and "Global Electric Vehicle Outlook".

Jacob also collaborates with research centres, advising on energy supply risks, alternative energy carriers, and the impact of geopolitical crises on decarbonisation efforts. His interdisciplinary background and leadership in **transport** and **energy analysis** make him a valuable asset to organisations navigating the evolving landscape of sustainability.

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MATTEO CRAGLIA

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Matteo Craglia is an independent consultant and **Senior Fellow at the University of California, Davis**, specializing in **techno-economic analysis, modelling**, and **policy development** for the energy and transport sectors. He is currently researching critical mineral demands for future transport and energy systems. Previously, Matteo spent nearly five years at the **International Transport Forum (ITF)**, where he led the development of vehicle fleet, energy, and CO2 modelling–work that became the global benchmark for the **Science Based Targets initiative**. His expertise spans decarbonizing transport, from developing fuel economy policies in Southeast Asia to analysing maritime shipping and clean vehicle technologies.

Matteo's experience includes working with the **International Energy Agency (IEA)**, where he contributed to multiple landmark reports including "The Future of Cooling" and "The Future of Rail." He co-authored publications on global fuel economy improvements and led analysis on energy savings potential from aviation to high-speed rail transitions. His research background includes work with **Cambridge University Science and Policy Exchange**, where he developed transport models for Cambridgeshire County Council to quantify carbon emissions and evaluate policy impacts. Matteo has also consulted for the **Leonardo DiCaprio Foundation**, where he helped develop comprehensive greenhouse gas emission mapping.

Matteo holds a PhD in Engineering from the **University of Cambridge**.

ELENA CINQUEGRANA

Elena Cinquegrana is the **Senior Director Energy Transition and Climate Strategy** at World Funk Pictures, **Transport Sector Standards Leader** at the **Science Based Target Initiative (SBTi)**, plus **Lecturer of Sustainability and ESG Strategy at the Job Farm Bocconi University.**

Previously Elena has held various leadership roles in prominent organizations, focusing on emissions reduction, ESG strategy integration, and advancing science-based targets.

Elena has extensive expertise in sustainability leadership, strategic planning, and ESG (Environmental, Social, and Governance) frameworks. Plus, direct experience across many industries like Automotive, Oil & Gas, Energy, Logistics, Aviation and Heavy Industrial Manufacturing.

She is proficient in multiple languages, including English, Italian, Spanish, French, and Portuguese, and holds a **PhD in Social Science** from Manchester University, a **MSc in Smart Cities & Urban Analytics (UCL)**, and several certifications such as Master Black Belt, Human Rights & Environment, **Business and Climate Change: Towards Net Zero Emissions from Cambridge University**, and **MOOC Environmental SDG Indicators from UNECE.**

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Thank you

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