

Europe is committed to regulating climate services and has tasked the European standardisation organisations, CEN and CENELEC, with developing the necessary standards. This joint statement summarises core recommendations from a peer-to-peer event held in Barcelona on the 28th and 29th of April 2025, bringing together private companies with a proven presence in the European climate services market. It aims to inform the ongoing standardisation process and ensure that future standards reflect the needs and insights of the provider community.

# Joint Industry Statement on the Standardisation of Climate Services in Europe

October 2025

A robust, transparent, trustworthy, and competitive climate services market is essential to driving innovation that strengthens Europe's resilience to climate change. Climate-related risks manifest across all sectors, and decision-makers need reliable information and services to plan, adapt, and invest in a resilient future with confidence.

Climate services—rooted in sound science, tailored to user needs, and underpinned by clear standards and guidance—are a critical enabler of effective, climate-related decision-making.

As **private providers** operating across the climate services value chain, we affirm the importance of a market that delivers high-quality, interoperable, actionable climate information for decision-making. Our services support a wide range of applications, including risk management, adaptation planning, regulatory compliance, emission mitigation, and sustainable investment.

We operate across the entire climate services value chain, from data generation and modelling, to the analysis and integration of relevant knowledge, stakeholder engagement, and decision support through to implementation.

We recommend paying closer attention to the following themes and issues in the forthcoming work of the standardisation of climate services to be undertaken by the European Commission's Standards Bodies, European Committee for Standardization (CEN) and European Committee for Electrotechnical Standardization (CENELEC):



## Responding to Evolving Customer Needs

Our customers, ranging from small and medium-sized enterprises (SMEs) to multinational corporations and public institutions, require support in areas such as:

- Climate risk assessment and management
- Regulatory reporting and compliance
- Investment and due diligence
- Infrastructure planning and asset management
- Climate adaptation strategies

To respond effectively, we support:

- **Technical rigour:** Ensuring model and data quality through robust validation and documentation and continuously improving through feedback.
- **Collaborative partnerships:** Co-designing services with customers and working with other actors to ensure relevance, usability, and impact.
- **Standardisation and accountability:** Supporting the development of climate services standards, guidance for Key Performance Indicators (KPIs), harmonised regulatory and assurance/certification frameworks, and clear identification of risk ownership across the value chain.

## Addressing Persistent Challenges

Despite significant progress, several challenges continue to limit the impact and scalability of climate services:

- **Fragmentation:** Inconsistent definitions and validation processes, particularly for vulnerability and exposure data, limit interoperability and hinder service integration across the value chain.
- **Barriers to uptake:** Regulatory uncertainty regarding climate risk disclosure, unclear return on investment, and limited user awareness continue to slow wider adoption.
- **Transparency and trust:** “Black-box” approaches and unclear methodologies reduce user confidence and limit informed decision-making.

## Enabling Effective Knowledge Integration

For climate services to be more actionable, relevant, and trusted, the integration of climate and non-climate knowledge across sectors must be strengthened. This requires technical clarity, contextual relevance, and user empowerment.

We support the following priorities:

- **Clarity and contextualisation:** Develop sector-specific use cases and climate indicators; clarify how climate information fits into existing decision-making processes; define appropriate and inappropriate uses of climate information to avoid misapplication.



- **Capacity building and user empowerment:** Support users through tailored guidance and tools; invest in training and capacity building; reflect local insights and lived experience in climate service design.
- **Bridging scientific and local expertise:** Acknowledge that decision context matters as much as scientific input; co-design tools with users; share good practices; and develop methodologies that connect climate information with real-world decisions.
- **Normalisation and comparability:** Promote output comparability, flexible platforms, standardised application program interfaces (APIs) and distribution protocols, multi-stakeholder alignment, and flexible guidance for engagement and delivery.
- **Overcoming structural challenges:** Build cross-disciplinary consensus, improve data availability at the local level, promote shared methodologies and benchmarks, and mobilise people and institutions to drive innovation and adoption.

## Towards a Trusted and Inclusive Market

We believe that **standards, clear best-practice guidance, and independent assurance mechanisms** are essential to building trust, ensuring quality, and fostering innovation across the European climate services market. This includes both **technical standards** as well as **clear guidance and recommendations for service design and delivery**, alongside **KPIs and certification frameworks** based on agreed performance indicators.

### Common recommendations for assurance mechanisms

- Promote **benchmarking against international standards and references**, while avoiding overly rigid frameworks that could limit innovation.
- Be **transparent, flexible, inclusive, and authoritative** - avoiding one-size-fits-all approaches.
- Ensure **clarity** in assumptions, processes and outputs.
- Be **tiered and scalable**, supporting participation from both small and large providers.
- Encourage **early adoption, industry leadership, and cross-sector learning**.
- Set **minimum requirements** not only for services, but also for data quality, modelling approaches, and delivery processes.


### Recommendations from small companies

A **tiered, output-focused standards and certification scheme** that promotes transparency, encourages innovation, and levels the playing field.

### Recommendations from large companies

**Procedural clarity and flexibility**, ensuring that standardisation and certification schemes support scalability without adding unnecessary complexity and opacity.





*“We caution against approaches that reduce climate services to mere tools for regulatory box-ticking. A balanced approach is needed - one that fosters consistency and comparability, while allowing room for innovation, iteration, and evolution. We support the development of a strong community of practice to help achieve this.”*

## A Call for Continued Collaboration

The event ‘European regulation of climate services: a dialogue with private providers’, organized by Climateurope2, marks the emergence of stronger collaboration within a growing community of providers committed to shaping a **resilient, transparent, and user-centred** climate services market in Europe. To realise this vision, we call for:

- **Stronger co-design and collaboration** across the climate services value chain.
- **Inclusive standards, assurance, and certification** schemes that ensure quality without stifling innovation.
- **Capacity building and education (for both users and providers)** to improve understanding of requirements and capability to effectively use climate information in decision-making.
- **Clear institutional ownership of climate risk**, aligned with subsidiarity and responsibility-sharing principles.
- **Sustainable business models** that reflect the long-term value of contextualised climate information.

## Our Shared Vision

We envision a European climate services ecosystem that is:

- **Inclusive and competitive**, enabling providers of all sizes to thrive.
- **Transparent, credible, and reliable**, fostering trust among users and regulators.
- **Innovation-driven**, supporting continuous learning and improvement.

By working together as a community of practice, we can **develop a shared language, improve service quality, and accelerate the uptake of climate services**—empowering decision-makers to build a more resilient and sustainable Europe.



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## Endorsing companies



Other companies that wish to endorse this Joint Industry Statement and be listed among the endorsing organisations are eagerly invited to contact us at [endorse\\_ce2@bsc.es](mailto:endorse_ce2@bsc.es).

The event was organized by:



Funded by  
the European Union

This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101056933.

**Climateurope2**