



# Technical Standards – A Building Block for Regulatory Frameworks and Commercial Deployment of CCUS Projects

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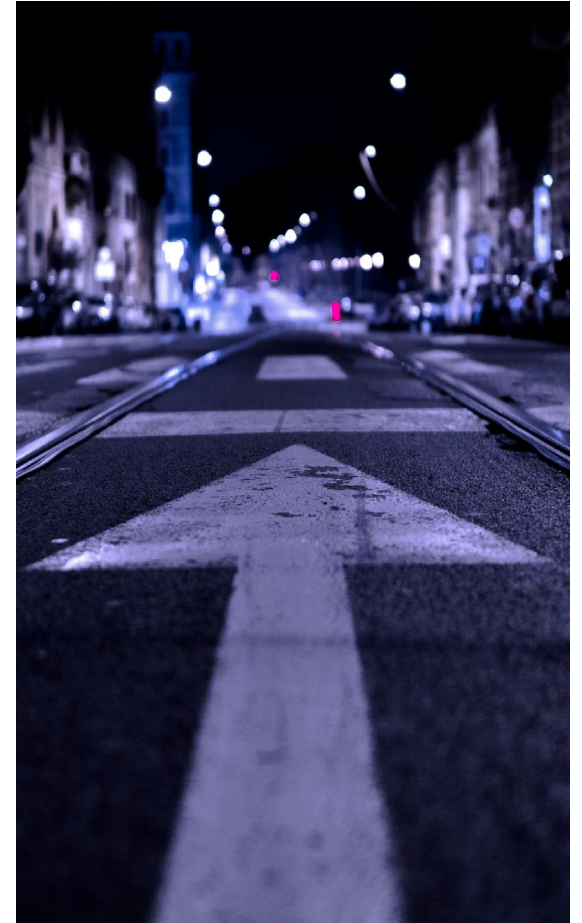
Baltic Carbon Forum - 15 October 2021

# Agenda

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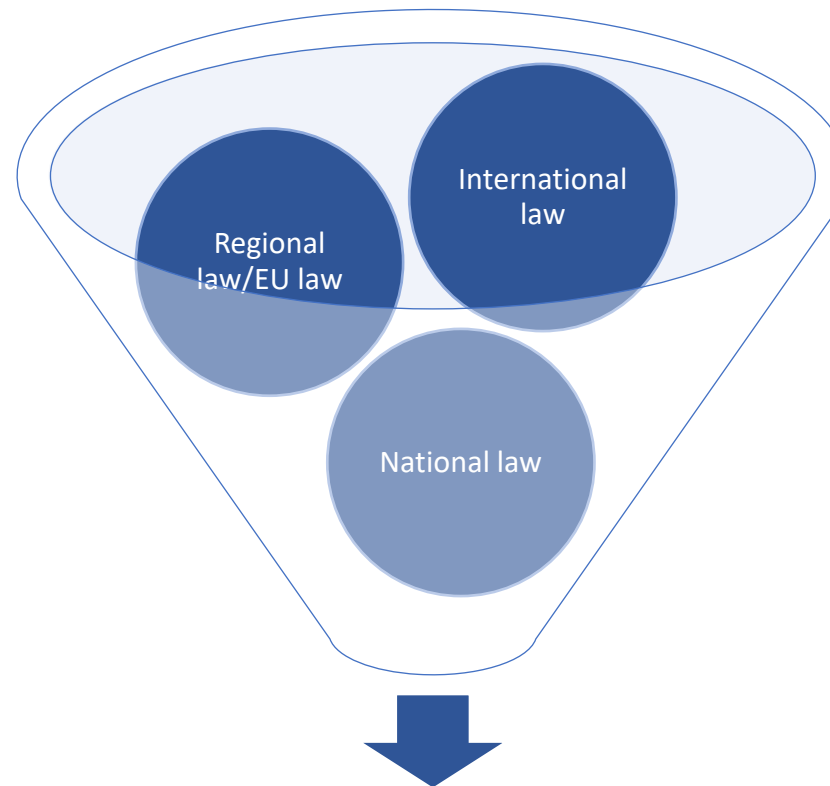
- Legal framework
- Technical standards
- ISO TC265





## Legal Framework

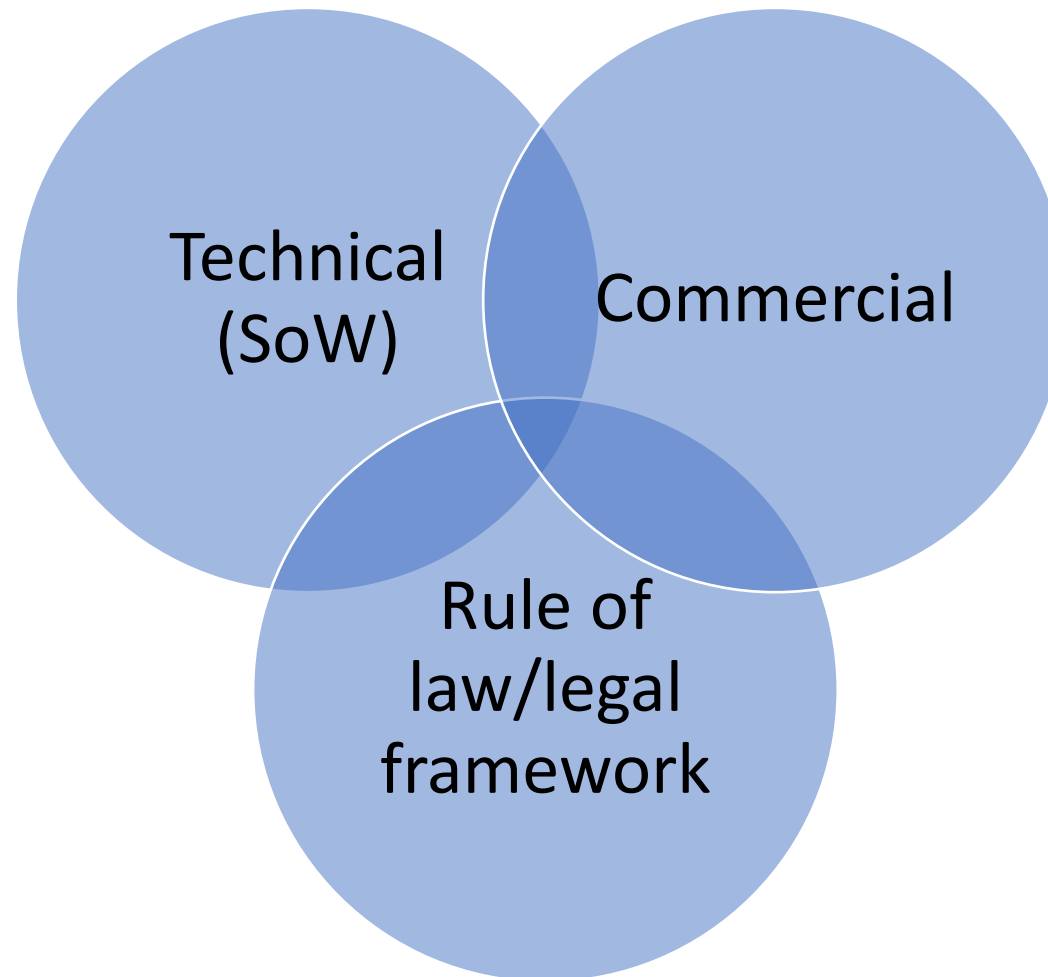




Legal framework

# Legal aspects of contracts

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Applying standards



# What are standards?

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- **Private acts of recommendations**, meant for **repeated use**, providing specifications, guidelines or characteristics, typically produced for **certification** of e.g. products or processes, testing methods and technical or safety criteria
- *«An international standard provides rules, guidelines or characteristics for activities or of their results, aimed at achieving the **optimum degree of order in a given context**. It can take many forms. Apart from product standards, other examples include: test methods, code of practice, guideline standards and management systems standards»* (International Organization of Standardization)

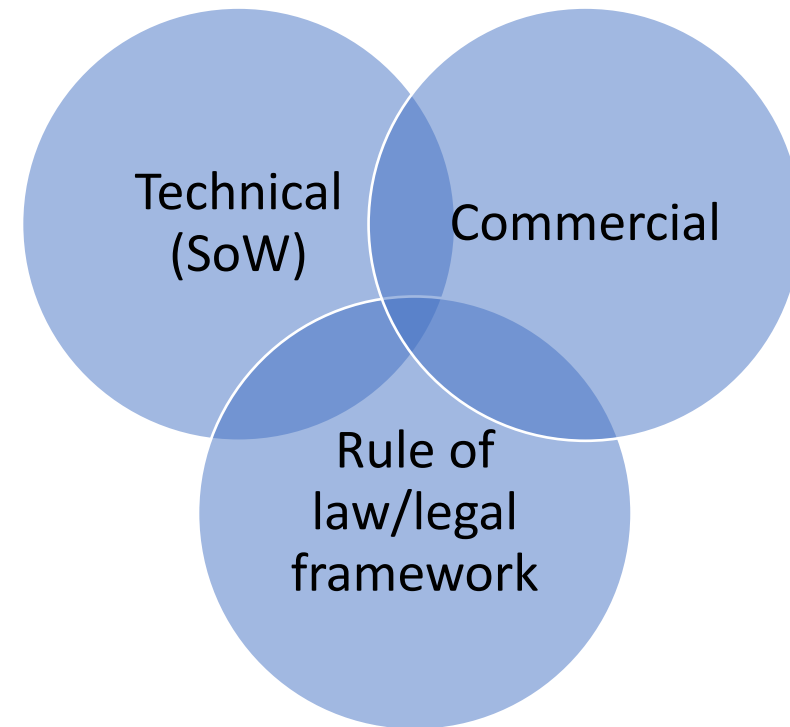
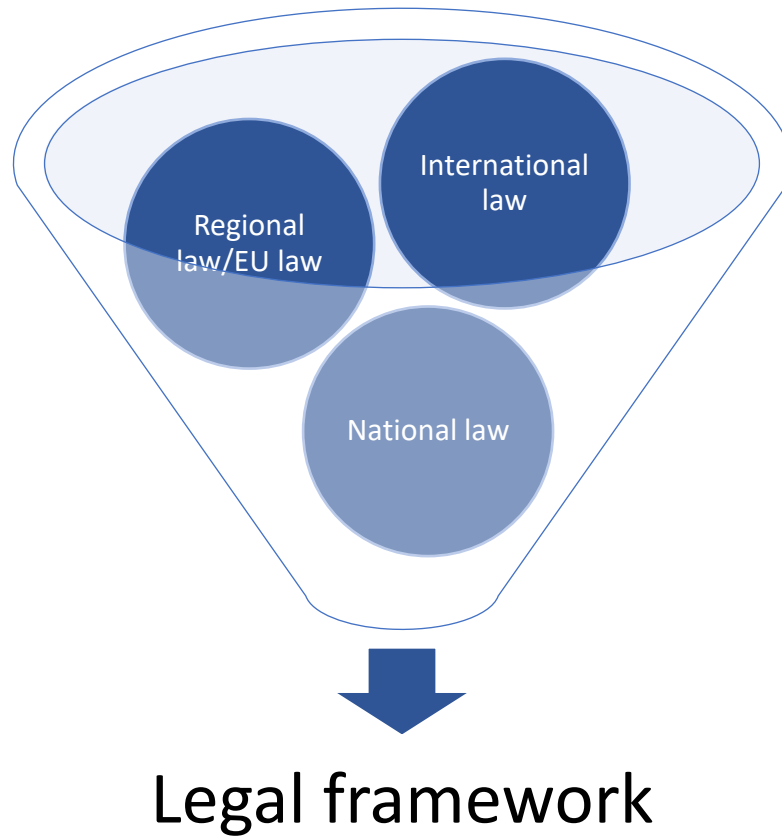
# Goals and benefits of standards

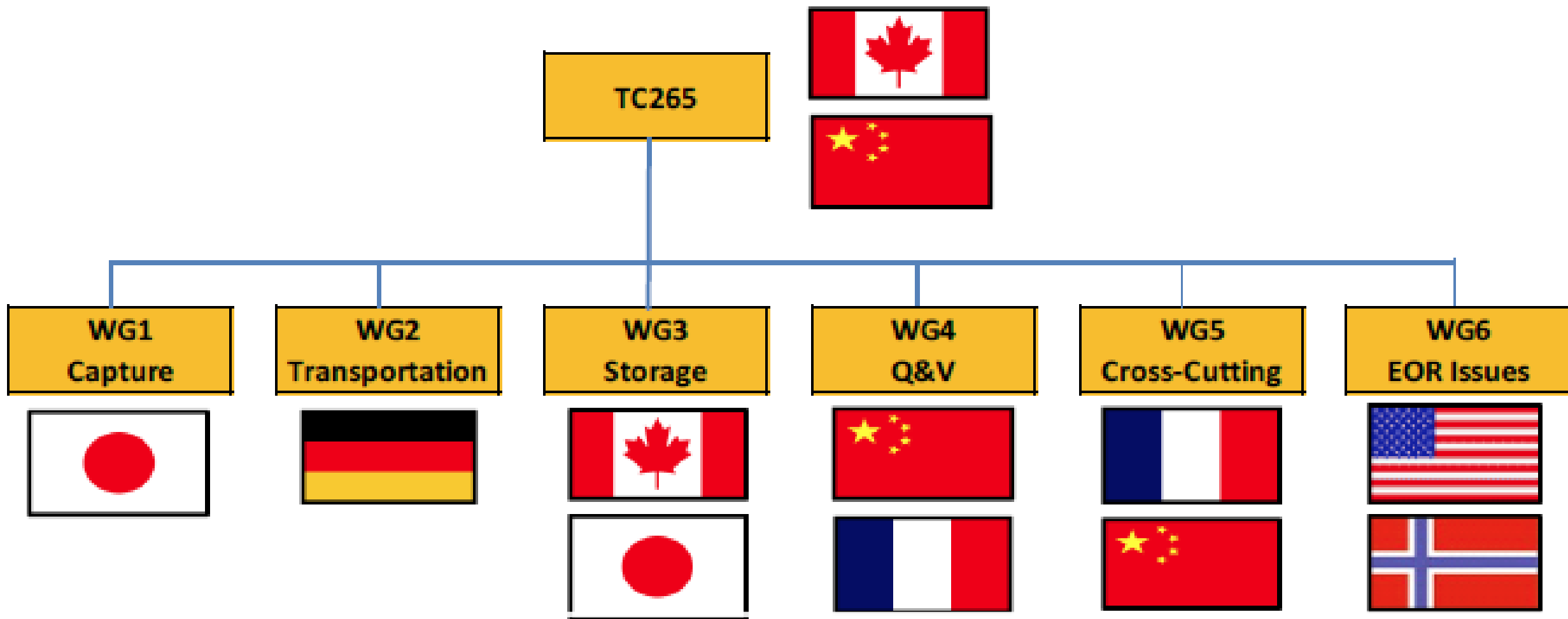
- Promote knowledge transfer and dissemination;
- Unlock legal challenges;
- Provide industry-driven guidelines;
- Enable incentives;
- Support viable public-private partnerships and allocation of risk and liability;
- Enable cost reductions and economic growth





# Where standards belong





ISO TC265 Carbon Dioxide Capture, Transportation and Geological Storage

# About the ISO TC265

- Intent: *“prepare International Standards for the design, construction, operation, environmental planning and management, risk management, quantification, monitoring and verification, and related activities in the field of CCS”*
- Aim: facilitate the exchange of goods and services through the elimination of technical barriers to trade
- A wide range of stakeholders and countries involved
  - 20 countries participating
  - 13 observing members
- Publications
  - 6 technical standards
  - 5 technical reports
- Currently under development
  - 3 technical report
  - 1 technical specification





# General principles of the TC265 standards

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- Technology neutrality
  - No patented rights
  - No explicit descriptions of technology or product
  - Fits both onshore and offshore
- Regulatory neutrality
  - Performance-based rather than descriptive
  - No time periods specified
  - No criteria for reporting
  - No criteria for decommissioning
  - No explicit references to e.g. transfer of liability
- Complements other standards
  - TC265 standards
  - Other ISO standards
  - Specific technical standards from other standardization bodies

# Further reading

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Ombudstvedt, I. and Jaroy, A.; International standards support commercial deployment of CCS and CO<sub>2</sub>-EOR

Download [here](#)

# Acknowledgements

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Thank you!