

## Sustainable Innovation

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### School 3

#### TITLE

*Summer School Governing the Just Transition*

#### RESPONSIBLE PARTNER

Delft University of Technology (TUD)

#### OVERVIEW

The Summer School is aimed at providing a general overview of the various aspects of the GOVERNANCE of JUST SUSTAINABILITY & RESILIENCE TRANSITIONS

Specific goals include:

- (i) To acquaint students with the frameworks governing transitions at various levels (SDGs, Paris Accord, European Green Deal, Dutch Green Deal, Rotterdam Resilience Plan [case], AU-EU Innovation Agenda, Agenda 2063: the Africa we want (AU))
- (ii) To explore the concept of GOVERNANCE and more specifically JUST TRANSITIONS META GOVERNANCE, the concept adopted by the EU to design sustainability and resilience transitions, which includes an understanding of hierarchical governance (policy), networked governance (stakeholder engagement, citizen participation) and market governance (the tools and mechanisms specifically designed to make the transition feasible economically).
- (iii) To acquaint students with SPATIAL JUSTICE, the prescriptive conceptual framework in which the Just Transition should take place. This includes an understanding of the relationship between planetary boundaries, societal needs, citizens' rights, sustainability, and resilience, with a deeper understanding of concepts from political economy such as the commons, public goods, negative externalities and more, and how they impact our understanding of urban resilience.
- (iv) To acquaint students with SOCIO-TECHNICAL TRANSITIONS theory, and to simulate a transition for a specific pilot project in the city of Rotterdam. This includes an understanding of how actors, institutions and technologies interact. This exercise uses inputs from the city of Rotterdam and the Horizon project UP2030 "Urban Planning and Design Ready for 2030", in which the city of Rotterdam explores resilience solutions with technology developers, policy makers and skills providers.
- (v) To discuss and get a deeper understanding of the ETHICAL IMPLICATIONS of designing the just transition in multi-stakeholder environments.

#### LEARNING OUTCOMES

By the end of this summer school, students will be able to:



- (i) *EXPLAIN* how their design and engineering decisions respond to societal needs expressed in transition frameworks at different spatial scales, including the evidence needed to connect design and policy objectives.
- (ii) *SITUATE & EXPLAIN* their design and engineering decisions in a logical chain of events (strategy) designed to respond to the relevant governance environment where they act, including an understanding of 'WHO DOES WHAT WHEN' in the transition strategy.
- (iii) *CONCEIVE* transition strategies that are fair, inclusive, and socially sustainable, anchored on the understanding of spatial justice.
- (iv) *CONCEIVE* transition strategies that are anchored on the understanding of the socio-technical reality where they act.
- (v) *ARGUE* the ethical conundrums they must make when designing just transitions strategies and solutions.

**LOCATION**

Delft University of Technology (Faculty of Architecture and the Built Environment), Julianalaan 134, 2628BL, Delft, The Netherlands.

**DURATION**

3-4 days full time in presence

**PERIOD**

May 2024

**MODALITY**

Physical setting with an option for online broadcasting. There is an option for professional-level recording of lectures, to be broadcast later or published online. Lectures may include a transcription service to make textual information available, apart from the normal readers and other text-based materials).

**LANGUAGE**

English

**SCHEDULE**

MON\_THU

**LECTURE HOURS**

10:00-17:00 (with 1,5 hours break at midday)

**GROUP WORK HOURS (IF APPLICABLE)**

Sessions include active group work

**TOPICS**

*METAGOVERNANCE for Sustainability & Resilience Transitions, SOCIO-TECHNICAL transitions, Spatial Justice, Connecting Engineering & Policy*



**PROPOSED LECTURERS**

The school is led by Roberto Rocco and includes lecturers from the chairs of Spatial Planning and Strategy and Sustainable Technology and Design, from the Faculty of Architecture & the Built Environment (TUD), as well as lecturers from the Faculty of Civil Engineering (TUD), Faculty of Technology, Policy and Management (TUD), Deltares, the Dutch Delta Commission, and the City of Rotterdam Resilience Officer. There is one site visit.

