

***Meeting 1: sustainability transitions******11 November 2015***

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Before we start engineering for sustainability, we have to level our ideas about sustainability, and sustainability transitions. Central in the course is to design Texel as a sustainable island – whatever that may mean. Together we will do research on the current state of the art, sustainability challenges, and possible solutions, actions and pathways to get there. During this meeting the course, the Texel project and its themes, and our research tools and methods will be introduced.

Some time ago, Texel has set the self-preferred but great ambition to become sustainably self-supporting. Since then, many initiatives were grown on the island but until now it was concluded that these sustainable practices did not become part of a wider transition towards sustainability. Our client asked us to design solutions, long term pathways and short term actions to make that happen.

Key concepts and themes:

- Texel as a sustainable system
- Socio technical systems
- Sustainability transitions
- Collaborative research

Speakers and activities: Bertien Broekhans, Eefje Cuppen, Maria Jose Galeano Galvan

***Meeting 2: how a sustainable life will look like******16 November 2015***

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Last week we interpreted and defined the assignments we are facing. Once sustainability ambitions are set, we have to learn how ambitions are realized, and how sustainability happens in practice. We hope to learn from real world examples how sustainability could look like, and how it is reported about and implemented. We have to investigate not only how sustainability is organised in practice. Moreover we should learn how to investigate and steer on sustainability transitions.

Key concepts and themes:

- Local and personal needs
- Designing for presence

Speakers: Caroline Nevejan, campus tour

***Meeting 3: people and action make transitions happen******25 November 2015***

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Engineers can think solutions that make the world a little bit more sustainable; only people can make transitions happen. This meeting will bring us examples of both: an engineering solution put into practice and people changing attitudes towards sustainability transition.

Key concepts and themes:

- First overview of sustainability initiatives and actions on Texel per sub-system
- Between vision and action

Speakers and activities: Linda Verbeek, Linda Kamp, Harvesting Game

***Meeting 4: pathways to sustainability***

***3 December 2015***

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We have to design a sustainable future for Texel. But whatever utopian we wish the sustainable future to look like, to set a transition into motion we have to take into account the current situation and trends and the institutional setting and contextual developments. The island itself is part of a wider system. Texel is part of The Netherlands, that is member of the EU, dependent on world economy. To contribute to a transition that will become true, we have to take that into account.

Key concepts and themes:

- Sustainability transition in context
- Pathways from action to vision

Speakers and activities: Antoine Maartens (Urgenda), Nienke Saanen

***Meeting 5: To Texel and back - mid term review***

***11 December 2015***

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Returning to Texel's initial challenge: how can the many current and future initiatives on the island become part of an unstoppable transition towards a self-supporting and sustainable island.

We will exchange our findings, visions and preliminary pathway designs for a sustainable Texel. Each group will present the preliminary results of the research per sub-system, which are driven by the concepts and methods learnt. Inspired by these ideas, we will co-create our vision of a sustainable Texel as a ST system. Finally, we will build on this vision to identify challenges and opportunities for the sub-systems' research; and set the plans for field research on Texel.

Key concepts and themes:

- Draft reports on sub systems
- Visioning daily life at sustainable Texel
- Aligning plans for field research on Texel

Speakers and activities: groups, drafting a story board

***Meeting 6: Engineering for Sustainable Development***

***15 December 2015***

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To us, it's clear that sustainable development is more than just engineering sustainable technology. We love to hear stories from engaged engineers that experiences how to make a contribution to sustainability. The focus is on discuss desirable capacities of an sustainability engineer. Our guests will be sustainable entrepreneurs, to inspire our reflections about our capacities and profiles as TU Delft engineers.

Key concepts and themes:

- Sustainable entrepreneurship
- Leadership for engineers

Speakers and activities: prof.dr.mr. Hans de Bruijn and Gerdien de Vries; ....

*Bubble week: working on a final design for sustainable Texel*

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Full week 2.8

Working daily from 8:30 till 21:00-21:30

We stay at Texel, have inspirational site visits, receive feedback from locals, while preparing the final design to present to the client.

Key concepts and themes:

- Finalising pathways per sub-system: long term solutions, short term actions in context
- Integrating these pathways in an overall pathway for transition towards Texel as a sustainable island
- Visioning daily life at sustainable Texel