

UNIVERSITY OF TWENTE.

INNOVATIONS IN SUSTAINABLE CHAIN MANAGEMENT (ISCM)



MODULE ANALYSIS (15 EC) MODULE DESIGN (15 EC)

HTHT Minor, leading faculty BMS, **open to all BSc students**



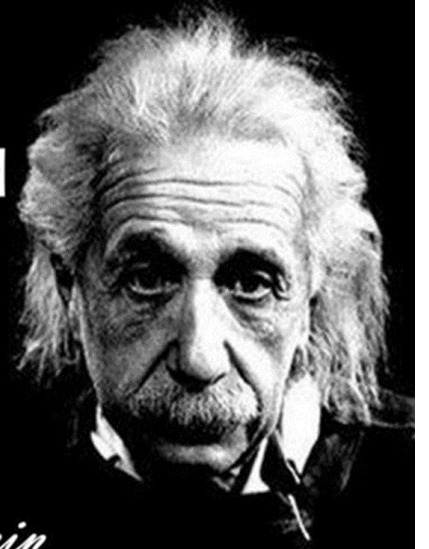
Coordinators:

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Department of Governance and Technology for
Sustainability (CSTM)

WE CANNOT SOLVE
OUR PROBLEMS WITH
THE SAME THINKING
WE USED WHEN
WE CREATED THEM

~ *Albert Einstein*



(ii) What is **sustainable chain management** (SCM)?

Aims:

Balancing stakes of People, Planet and Profit (3P triple bottom line), integrating humanity, environment and economy.

Yes, you can:

Decouple economic growth and deterioration of global, regional and local resources

So: Mitigate risks, balance profit, planet and people, transformation



(iii) Key elements

Focussing upon production and consumption patterns in sectoral, spatial ('Rurban'), community and lifestyle perspective....

And rethinking societal sectors such as food, housing, transport, mobility, industrial products [climate robust, bio circular].

Touching upon Transitions, 3p triple bottom line, footprint analysis and responsible future design (climate, resource use, welfare and wellbeing) .



(IV) What is your choice?

This:



We need **rethinking**
production and
consumption for a
better life!



Or:

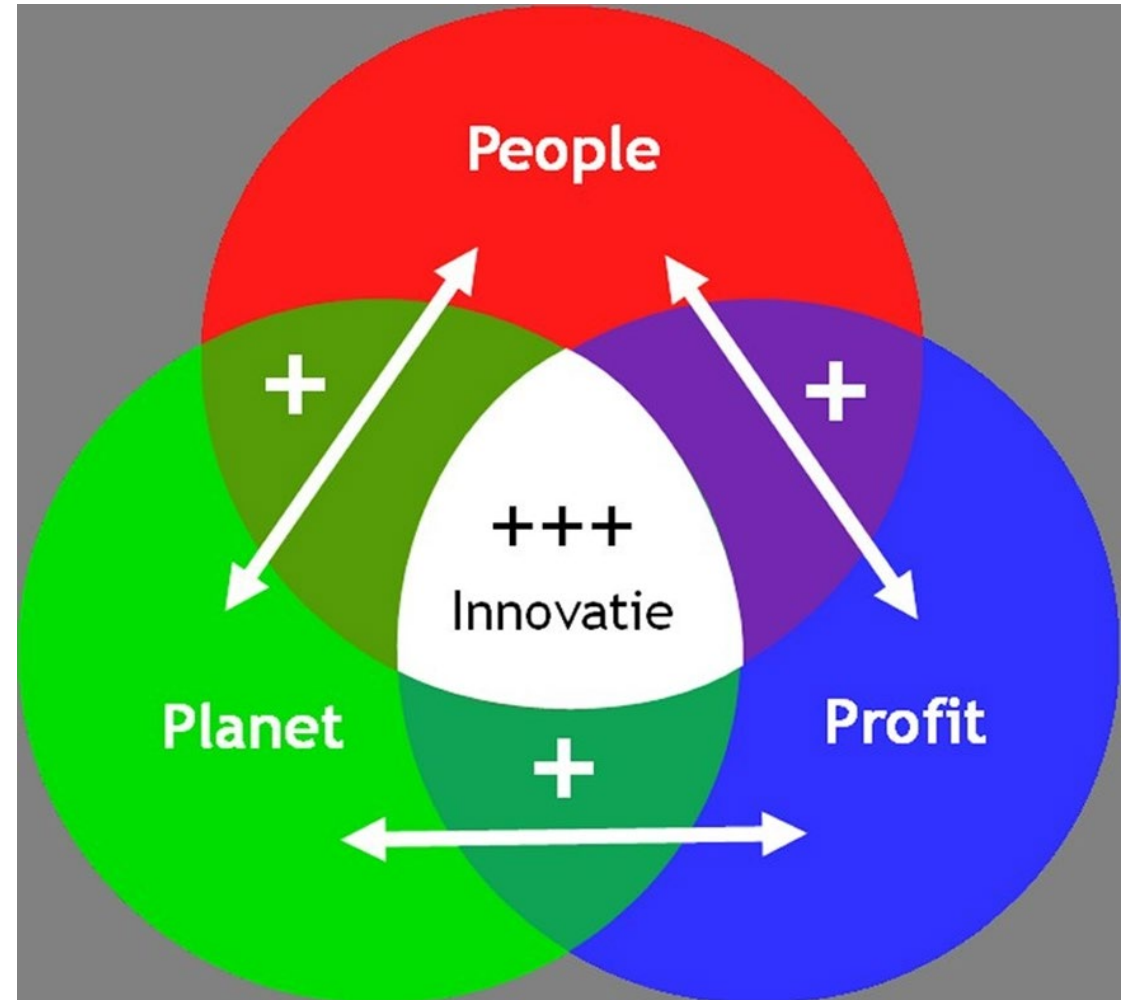
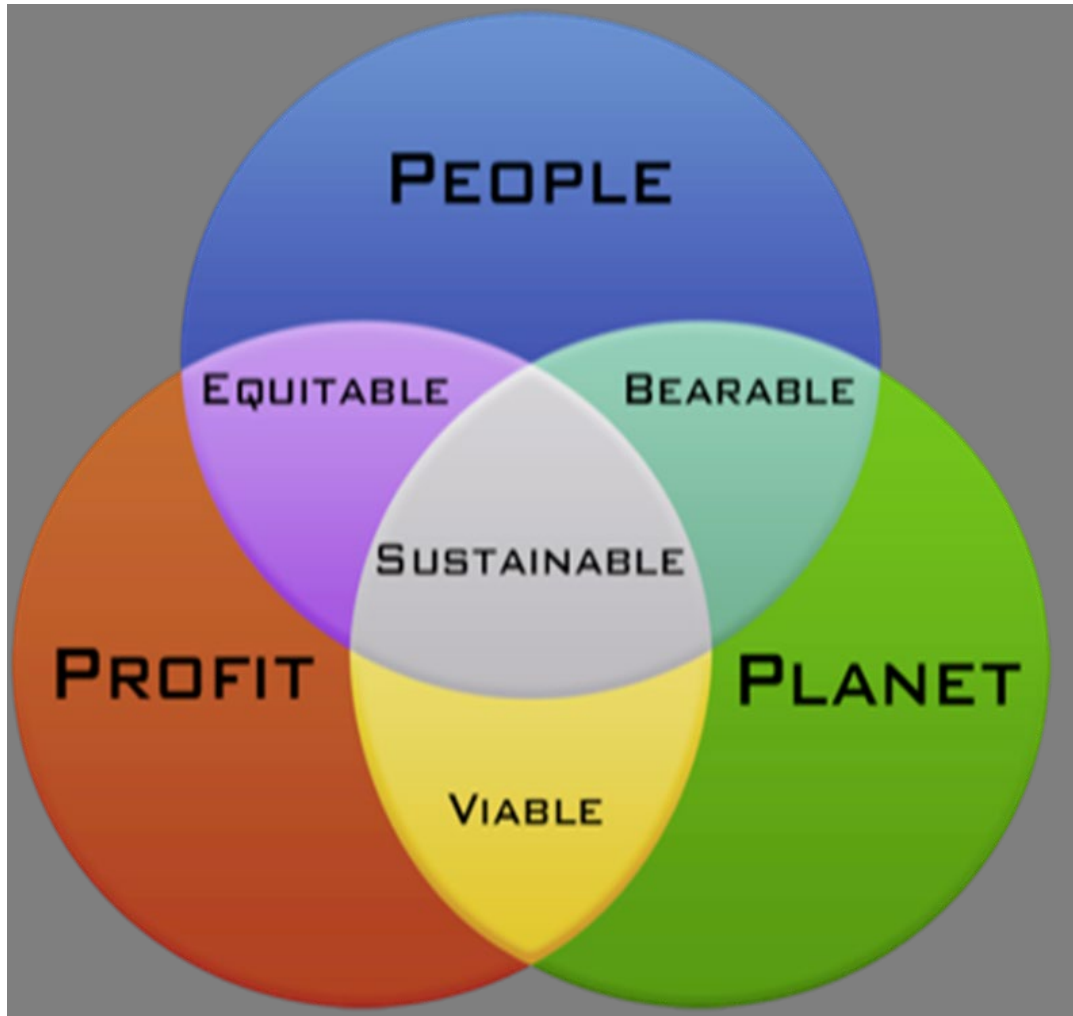


We need
innovations!

You can help!
**Fossil fuel free,
circular (bio-) society**



(V) **Sustainable and Innovative (+++)** in people, planet, profit perspective: **our foci**



(VI) Our module approach

Firstly sessions 'literature + tools review'. You hand in short reviews (3 questions), in-class discussion.

Secondly individual paper. In class presentations and exchange, individual supervision.

Thirdly multidisciplinary team work assignment on real life case.

+ Intro and support **short** lectures.

Our modules

Module Analysis (Q1)

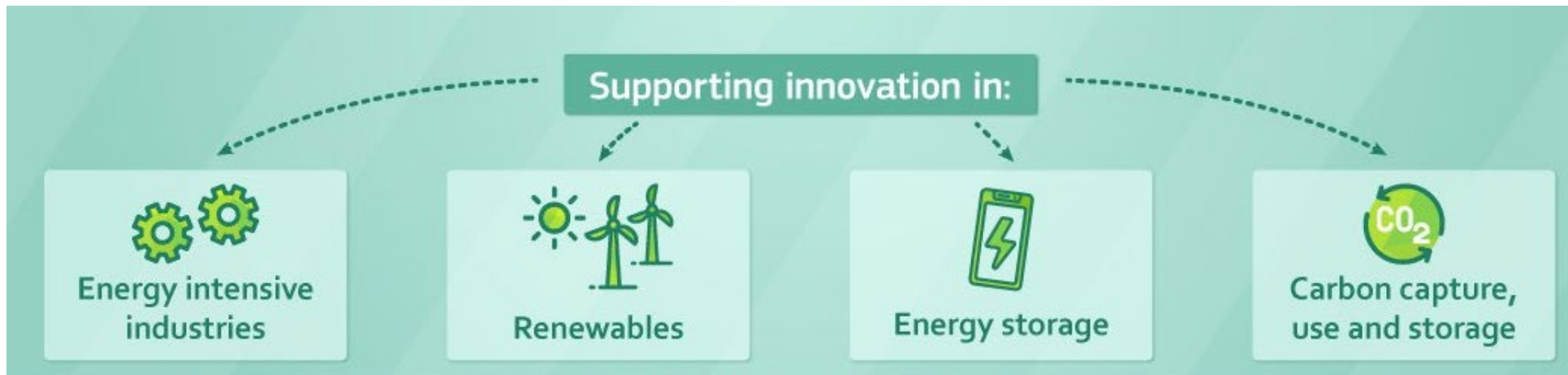
'Knowing', about 3p hotspots and potential innovations 15 EC)

Module Design (Q2)

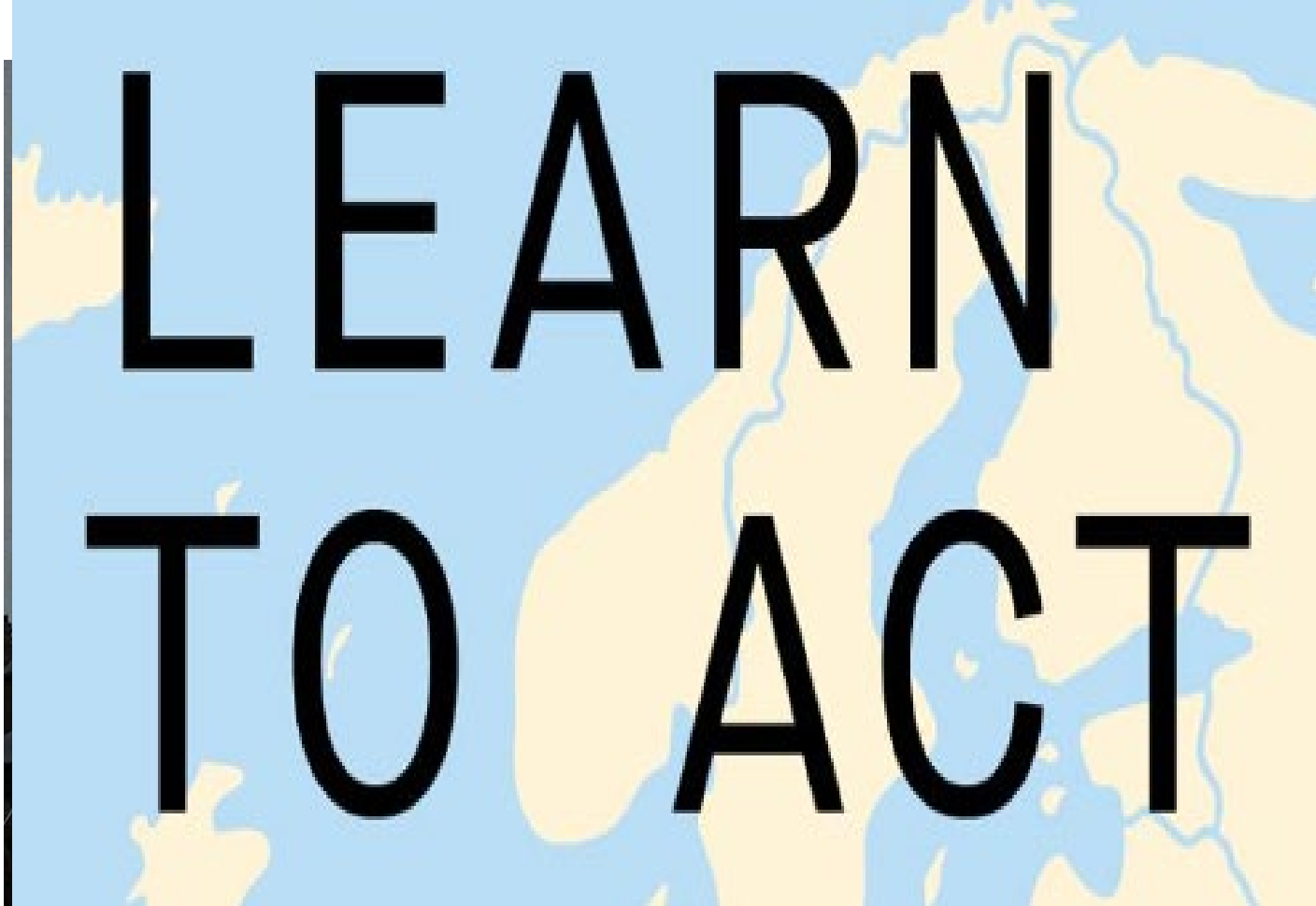
'Acting', linking to society: improving chains 15 EC).

(VII) Case topic for group work (30-40% of program):

Action in Energy and Climate regarding Products, Services, Processes and Infrastructure in Twente



(VIII) To make the difference we need to learn to act and add value to society: people-planet profit-innovations, envisioning transition pathways (longer time horizon).



(IX) Sustainable Chain Management modules @ University Twente: **prospects**

- Both social science and natural science students participate in cross disciplinary work.
- You will learn the concepts and methodology on generic level that enables application in other situations.
- So: let the ISCM modules not only do good for the world but also for your study and career, become part of the 'golden triangle' of innovation: **welcome!**



(X) Checklist: 'For you?'

- ✓ Interested in social, economic and technical aspects of sustainable future production and consumption?
- ✓ Ambition to contribute to original analysis and innovative solutions to societal challenges?
- ✓ Interested in combining individual and group work?
- ✓ Do you like to work in a multidisciplinary small group?



Then these modules might be just the thing for you!

The number of students is limited (due to working in small groups)

Coordinators:



Team:



Questions welcome!

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