

DEEM – Curriculum development and didactical skills workshop 2 (intro)

Wageningen DEEM team

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Contents morning programme

1. Introducing ourselves
2. Getting to know each other
3. Introducing the DEEM project, wicked problems and interdisciplinarity
4. Learning outcomes and programme of this workshop
5. Learning journal and expectations
6. Recap of previous workshop + implementation(?)

Introduction: Who is who?

- Environmental policy (ENP)



Mattijs Smits

- Education and Competence Studies (ECS)



Omid Noroozi



Hansje Eppink

Wageningen University



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Who's who in the group?

Stand up and find people from the same...

- University
- Gender
- Department/field
- Experience with thesis/internship supervision
- Preferred World Cup team

Introduction participants

- Walk around and say hello to three people you don't know (very well)
- Tell your name, position and
 1. Something that made you really happy in the past week
 2. Some unfinished business you have
 3. Something you look forward to...



Erasmus+

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*DEVELOPMENT OF ENERGY
EDUCATION IN THE MEKONG AREA
2016 - 2019*



TAMPERE
UNIVERSITY OF
TECHNOLOGY



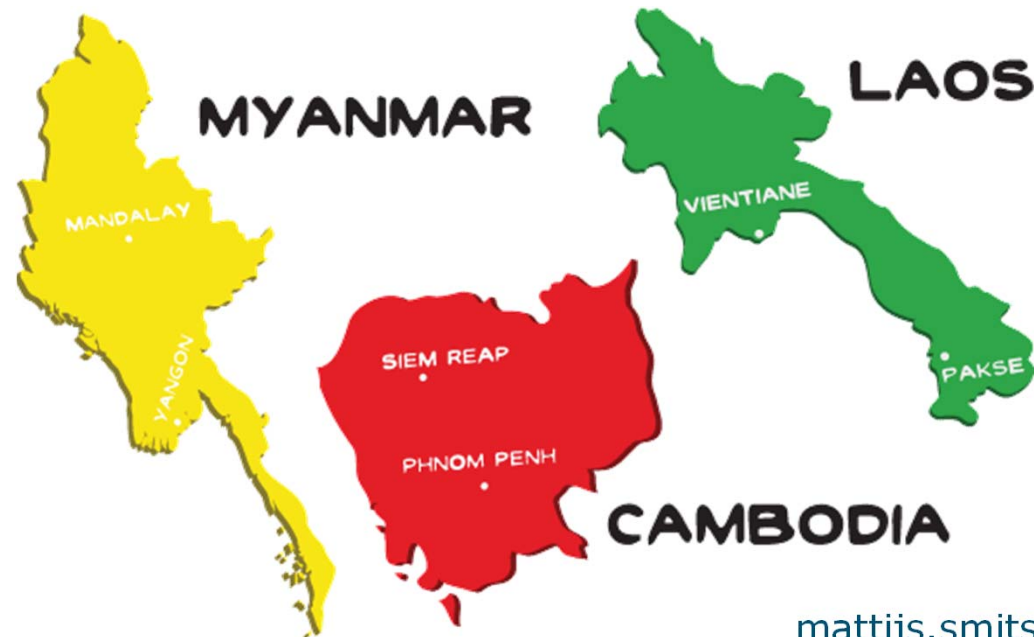
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DEEM project wider objective

To ensure that Higher Education Institutions (NUOL, ITC, RUPP, YU, YTU) are able to respond to **capacity and employment needs of the sustainable energy development** in Cambodia, Laos and Myanmar



Specific project objectives

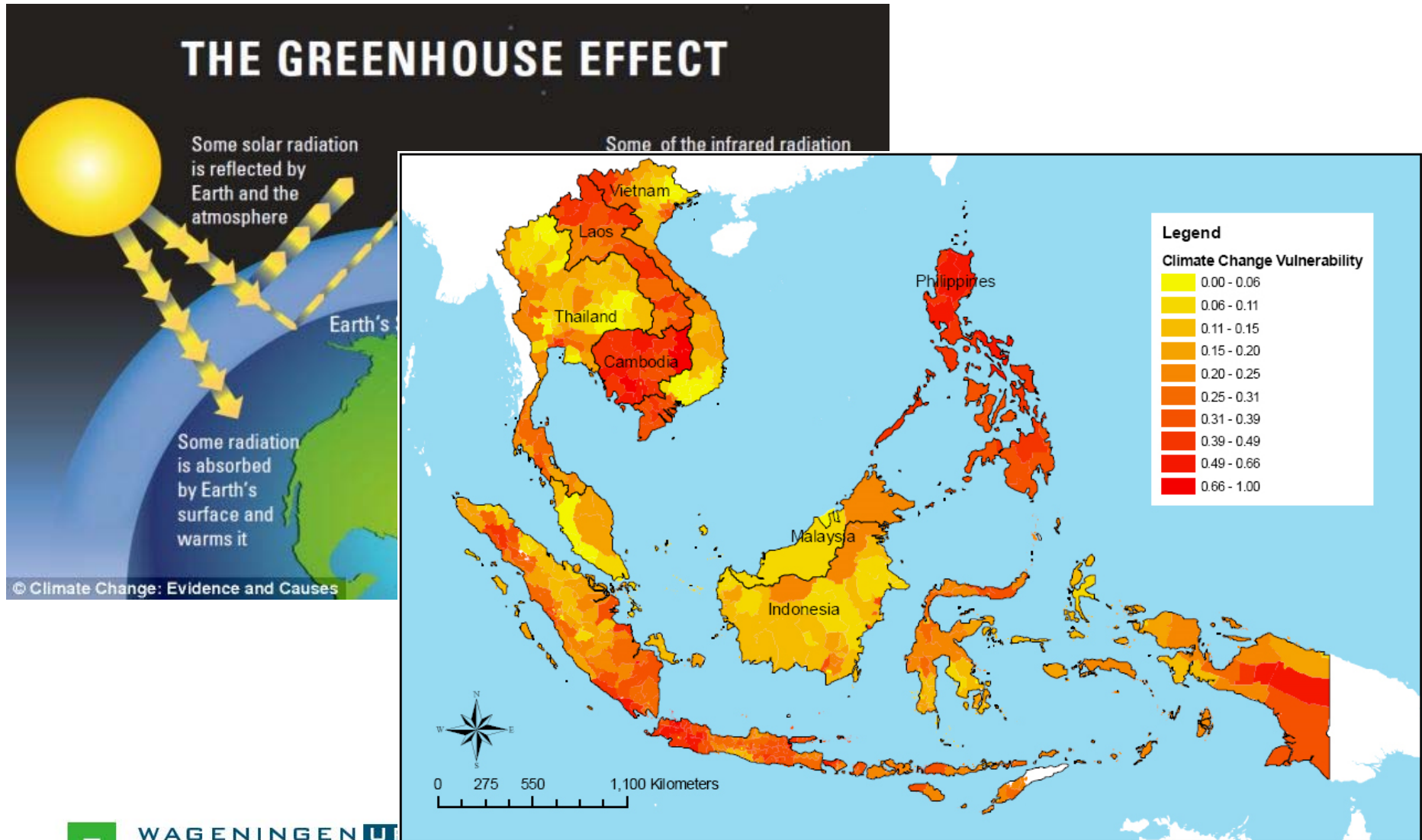
- 1) **Improved multidisciplinary energy education teaching capacity** (curricula and methods) and tools (equipment & software)
- 2) **Enhanced quality assurance** on financial, administrative and project management capacities
- 3) **Established regional and national Higher Education institutions partnerships and networking**

Wicked problems



DEEM: Sustainable energy as wicked problem

Climate change and vulnerability



Fossil fuel vs. renewable energy



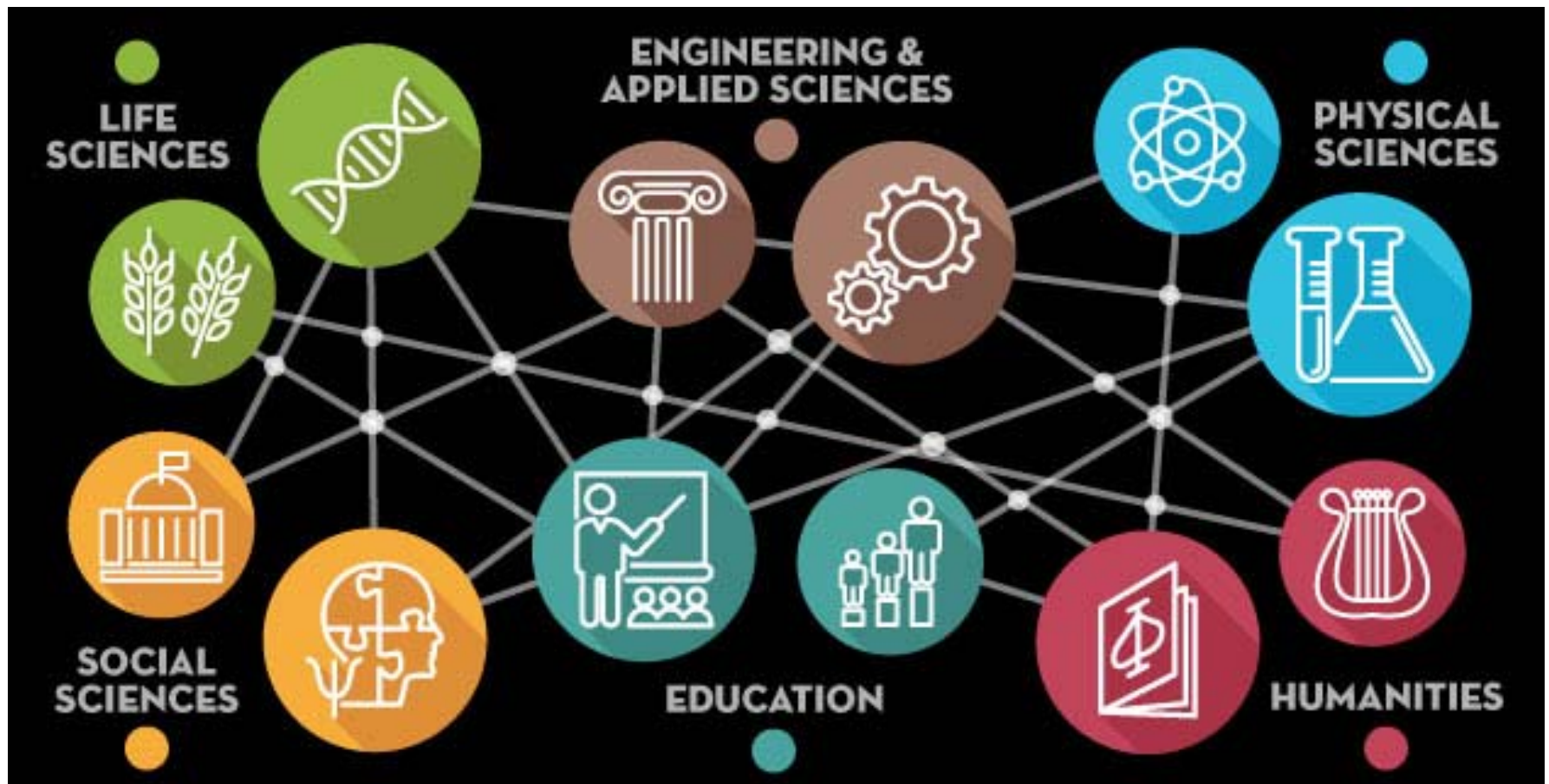
Energy poverty and development



Contested models of energy development

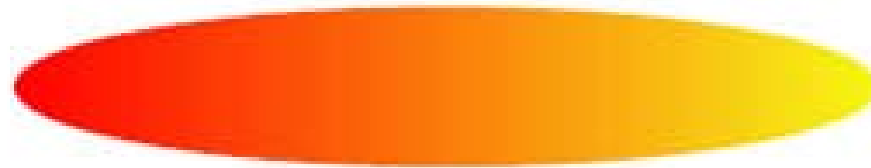


Wicked problems going beyond disciplinary boundaries

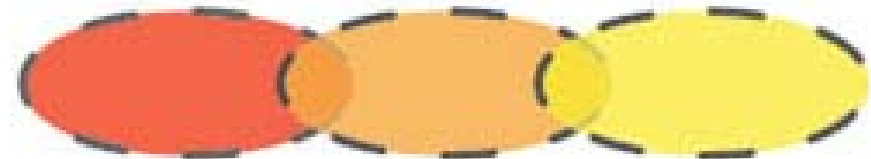


Facilitating interdisciplinary education

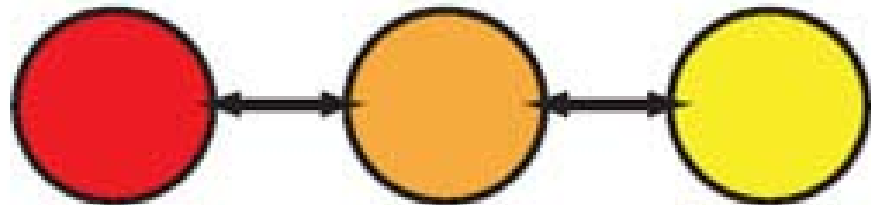
Transdisciplinary



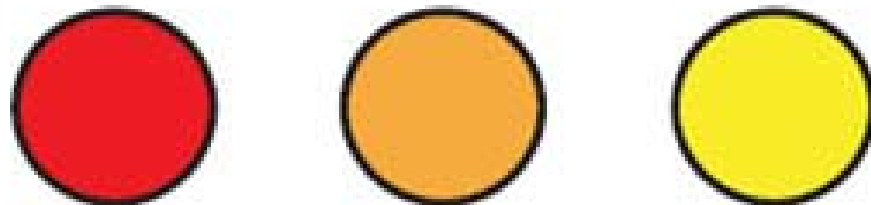
Interdisciplinary



Multidisciplinary



Disciplinary



Overview of activities/workshops so far in DEEM project

- Content-based trainings:
 - Climate change
 - Renewable energy
 - Energy system modelling
 - Power electronics
 - Etc
- Curriculum development and didactical skills workshop
 - Constructive alignment (learning outcomes, activities and assessment)
 - Focus on improving coursework

Some impressions



mattijs.smits@wur.nl

Learning goals and programme of the workshop

This series of workshops

- Goal: to **empower professional staff** working in the field of education by **creating a learning platform** aiming at **innovative teaching practices**
- **3-year** programme, started last year
- Focus on
 - Didactical skills
 - Curriculum development
- Not exclusively related to sustainable energy

Learning outcomes

After this workshop, we expect our participants to be able to:

1. To remember and **elaborate basic theory on curriculum development** practices;
2. To apply different **teacher roles and supervision styles** in teaching and supervision tasks
3. To demonstrate how to **link education to the job market**, e.g. through case studies, guest lectures

...

Learning outcomes (2)

4. To demonstrate **constructive alignment within internship** learning outcomes, teaching activities and assessment
5. To demonstrate **constructive alignment within thesis** learning outcomes, teaching activities and assessment
6. To critically **reflect on own teaching practices and competences** related to the aforementioned topics and to develop an action plan accordingly.
7. To **integrate the aforementioned aspects** into (interdisciplinary) programmes and curricula

Programme

Day 1

- Recapitulate key ideas from the first workshop and reflect with old and new participants on what they have been doing in the last year
- Introduce the topics of this workshop – the connection between education programmes and employers
- Formulate individual learning outcomes.

Day 2

- Focus on constructive alignment within thesis and internship
- (re-)design current internship and thesis practices and materials.

Day 3

- Focus on other ways to make links between education and the job market
- Development of individual action plans

Individual Learning Journal

Objectives

- Stimulate your reflection and self-evaluation in a more systematic way.
- Help you to keep track of ideas for your personal action plan.
- Offer you a helping hand for the overall evaluation of the training.

Note: the individual learning journal is for personal use.

Procedure

- At the end of every day, we will give you the opportunity to write down some reflections on the day
- At the beginning of each day we will invite participants to share their learning points (particularly what they mean for your work) with the rest of the group.
- At the beginning of each day we will give participants the opportunity to ask for clarification of concepts or ideas, which are still puzzling them.

Expectations

- Write down 3 expectations for this workshop in your learning journal
- Share/discuss with your neighbor(s)
- Share key expectations with the rest of the group

Ground rules

- Revisiting or developing new ground rules?



Recap: first training