



EVROPSKÁ UNIE
Evropské strukturální a investiční fondy
Operační program Výzkum, vývoj a vzdělávání



SustES Bořetice meeting - March 9 - 11

Why do we meet?

To discuss individual working packages progress;
Fine-tune the strategy for 2020;
Improve on the Adaptation scenarios;
To give more floor to junior SustES members and to have fun☺

Who will attend: majority of SustES team and several distinguished guests to contribute to SustES efforts

What is expected of me?: Be active, be open, engage!;

Where and when do we start? - Hotel Kraví Hora Bořetice, **on March 9-between 8:30 and 9:30**

What should I bring with me? - Good mood, openness and being ready to focus on helping to shape the SustES plans;

What I shouldn't bring? - Unanswered emails, manuscript drafts etc. anything that will get you off balance and out of the concentration. We need your full brain capacity!!:)

Whops I do need sort out technical details: Please contact Denisa - omachlikova.d@czechglobe.cz



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Day 1

8:30 - 9:45 - Arrival, registration, side meetings, opportunity (coffee start-up)

Should give an overall outline to the rest of the workshop, tune the group and also present state-of-the-art research.

9:50 - 10:30 – SUSTES MEETING INTRODUCTION AND INTER-TEAM WORK

- **Presentation 1 - 10:00-10:15** – New evidence on the Central European trends in hydroclimate – **Ulf Büntgen**
- **Presentation 2 - 10:15 – 10:30** Why the impacts of CC on agriculture need to be assessed globally even for local studies – **Mirek Trnka**

10:40-13:00 - Review of WP actions and tasks in 2020 – SPLIT GROUP MEETING – PARTICIPATION OBLIGATORY

Will be prepared and lead by individual WPs leaders

- **To revise the progress in the WPs according to the project plan and goals**
- **Identify what has been finished and what has not been yet achieved**
- **Explaining “task groups” roles – scheduling meetings for DAY 2 afternoon**
- **List the priorities with the responsible persons and time schedule assigned**
- **Creating “overview” slides for WP 2020 actions**
- *12:30 – 13:00 – turning the project goals into peer-reviewed papers – publication plan*

LUNCH 13:00 – 14:00

14:15-15:00 Joint session of all WPs actions and tasks for 2020 - PLENARY

Summary of the morning WP session will be presented by WPs leaders to everyone! – 8 minutes summary for each WP

15:00 – 17:45 Current situations and trends – Europe and World - PLENARY

Should give an overall outline to the rest of the workshop, tune the group and also present state-of-the-art research.

- **Presentation 1 – 15:00- 15:20** – *Climate in the past – overview of the state of the art on the climate development in Anthropocene as seen through proxy data;* **Jan Esper**
- **Presentation 2 – 15:25- 15:45** — *Low end and high end climate impacts and adaptation trade offs—* **Paula Harrison**
- **Presentation 3 – 15:50- 16:15**– *Is the food system transformation necessary?* **Ian Holman**



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COFFEE BREAK 16.15 – 16.45

- **Presentation 4 - 16:45 -17:10** Most up to date results of predicted impacts of CC on AgriCulture and Forestry on EU – COACH Programm – **Petr Havlík**
- **Presentation 5 – 17:10 – 17:35** *Evidence of the farmers adaptation* – **Joergene Olesen.**
- **Presentation 6 – 17:35 – 17:55** *Opportunities for observing the global change via satellites* – TUW & EODS collaboration options , **Wolfgang Wagner**

18:00-19:00 WP leaders + all key experts meeting

Evaluation of the project program for 2020

Setting priorities and key activities

Preparing the adaptation strategy session – DAY 2

18:00 – 19:00 - Side meetings opportunity

DINNER - 19:00



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Day 2:

8:00 – 9:000 - Side meetings opportunity

**9:00- 9:45 Introduction to the Adaptation Strategies...what we want to achieve
PLENARY**

9:50 – 12:00 Adaptation Scenarios Session 1: 130 minutes – SPLIT GROUP

Independent work in groups

- approving the narrative for each adaptation strategy
- review of key variables for each strategy TABLE 1
- Estimating values for each key variable TABLE 2
- Timing frame for needed adaptation steps for each strategy will be defined with required steps till 2050 TABLE 3
- Final drawing of the strategy FIGURE 1
- **One slide summary + Written summary + final drawing provided by the DAY 3 by each group**

COFFEE BREAK FLEXIBLE 10:30-11:00 SERVED FOR EACH ROOM

LUNCH 12:00-13:00

**WP ACTIONS MEETING FOCUSED ON TASK GROUPS 13:15 – 15:30 SPLIT
GROUP MEETING**

This meeting takes part in each Work package group according to their needs. The proposed structure of the meeting:

1. TG definition by each WP leader and division of work
2. TG goals and timelines redefined
3. Final overview for each TG given
4. June TG meeting week will be prepared

Each Task Group will deliver written summary

1. **on HOW**
2. **till WHEN**
3. **by WHOM**
4. **with WHAT RESULTS**
5. **One slide summary by the DAY 3 by each task group**

COFFEE BREAK 15:30-16:00

SustES - Adaptation strategies for sustainable ecosystem services and food security under adverse environmental conditions (CZ.02.1.01/0.0/0.0/16_019/0000797)



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EMERGING SCIENTIFIC STUDIES 16:00-18:30

- Mirek and prof. Reinhart Ceulemans wrapping up the 1st Scientific writing course experience for everyone 10 minutes “PLENARY”
Then we will divide the audience, experts and speakers into 2 groups. Exact division will be provided on Monday.

Invited speakers will include: Tomas Cejka, Lenka Bartosova, Monika Belinova, Marcela Hlavacova, Matej Orsag, Martin Bednarik, Monika Bělinová, Frantisek Jurecka, Hana Montagova, Kristina Vecerova, Petr Vitek, Eva Darenova, Standa Juran

- Each session will have 6-7 speakers. Each speaker will present maximum 10 minut “pitch” talk highlighting her/his research results. This will be immediately followed by informal debate of 10 minutes lead by panel of senior researchers in the audience. The goal is to provide feedback to the main authors and forge collaboration on very real research activities.

18:30 – 19:30 Side meetings opportunity

DINNER - 19:30



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Day 3: 9:00 - 12:00

8:00 – 9:00 - Side meetings opportunity

9:00-10:30 MOTIVATION LECTURES - putting the SustES in the wider perspective

- **Presentation 7. 9:00 – 9:15.** Estimating the climate change impacts on agriculture sector in Austria – current view –, **Josef Eitzinger**
- **Presentation 8. 9:20 – 9:40.** Estimating the climate change impacts on agriculture sector in Germany – current view, **Claas Nendel**
- **Presentation 9. 9:45 – 10:05 -** Global impacts of future cropland expansion and intensification on agricultural markets and biodiversity , **Tomáš Václavík**
- **Presentation 10. 10:10 – 10:25 -** Response diversity – is really resilience towards climate change increasing? **Janne Kasseva**

10:30-11:30 SUSTES ADAPTATION STRATEGIES – PLENARY

One slide summary and main messages by each adaptation groups + DISCUSSION

11:30-12:30 SUSTES Task Groups – PLENARY

One slide summary and main messages by each Task Group – all presented by WP leaders + DISCUSSION

LUNCH 12:45 – 13:30

13:30 – 15: 00 WP ACTIONS MEETING II FOCUSED ON TASK GROUPS 1 SPLIT GROUP MEETING

This meeting takes part in each Work package group according to their needs.

Preparation of the final program for next 9 months.

Each Task Group will deliver short ppt presenting the results

15:15- 15:45 SUSTES Task Groups – PLENARY

One slide summary and main messages by each WP – all presented by WP leaders + DISCUSSION

15:45 – 16:30 SUSTES meeting WRAP UP

SustES - Adaptation strategies for sustainable ecosystem services and food security under adverse environmental conditions (CZ.02.1.01/0.0/0.0/16_019/0000797)



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REMINDING OURSELVES ADAPTATION STRATEGIES

1. **Ostrich - Dead end** – no support for adaptation efforts in Czechia– denial of climate change - “reference for “no-action” scenario – **Zdeněk Žalud + Petr Štěpánek + Petr Dobrovolný**
2. **Go with the flow** – reactive adaptation in Czech agriculture (and landscape) in line with the current adaptation strategy - attempts to maintain profit margins and accepting losses in terms of non-marketable ecosystem services - no anticipation of climate change impacts and adaptation around the World – **Emil Cienciala + Otmar Urban**
3. **Hold the ground** – some proactive efforts in Czech agriculture (and landscape) in line with the current adaptation strategy BUT focused at at least maintaining the current level of ecosystem services and maximizing comparative advantages offered by climate change; The goal is not to lose under the future climate especially not lose the productive ecosystem services; We accept the World around us is changing and adapting creating opportunities for “us” but also for “them”. – **Petr Hlavinka + Christian Kersebaum + Josef Eitzinger + Jan Esper**
4. **Make the best of climate change**– proactive efforts focused at maximising the overall level of ecosystem services, Accepting inevitable losses to any of the service including marketable ones but actively working on offsetting them by gains in other services; primarily working with existing technologies; We accept the World around us is changing and adapting creating opportunities for “us” but also for “them”.
Joergen Olesen + Paula Harrison + Reihart Ceulemans+ Wolfgang Wagner
5. **Outside the limits** – strategy not bound by constraints or immediate costs - special focus on out-of-the-ordinary measures that if planned and applied could in the long-run massively increase landscape resilience. Goals similar but more ambitious than in case of *Make the best of climate change* scenario but relying also on new technologies and more robustly build; Also here we accept the World around us is changing and adapting creating opportunities for “us” but also for “them”. -**Ian Holman + Tomáš Václavík + Ulf Büntgen + Karel Klem**